



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली

शिक्षा मंत्रालय, भारत सरकार द्वारा स्थापित
सैक्टर 81, नॉलेज सिटी, प. ओ. मनोली, एस. ए. एस. नगर, मोहाली, पंजाब 140306
INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH MOHALI
(Established by Ministry of Education, Govt. of India)
Sector-81, Knowledge city, PO-Manauli, SAS Nagar Mohali-140306, Punjab
PAN No. - AAAAI1781K GSTIN - 03AAAAI1781K2ZS

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CPPP/Institute Website

IISERM (1519-3)22/23-Pur-GTE

Dated: 21st July 2022

ई - निविदा आमंत्रण सूचना NOTICE INVITING E-TENDER

सहायक उपकरण के साथ स्पिनिंग डिस्क सुपर रेज़ोल्यूशन कन्फोकल माइक्रोस्कोप की आपूर्ति, स्थापना और की कमीशनिंग के लिए दो बोली प्रणाली में निदेशक, आईआईएसईआर मोहाली की ओर से ऑनलाइन निविदाएं आमंत्रित की जाती हैं। तकनीकी विनिर्देश और नीचे दिए गए विवरण के अनुसार और सीपीपीपी पर मूल निर्माता / आपूर्तिकर्ता से बीओक्यू सूची अर्थात् <https://eprocure.gov.in/eprocure/app> निविदा दस्तावेज ई-प्रोक्योरमेंट पोर्टल की वेबसाइट <https://eprocure.gov.in/eprocure/app> और संस्थान की वेबसाइट www.iisermohali.ac.in से डाउनलोड किए जा सकते हैं।

Online tenders are invited on behalf of the Director, IISER Mohali in **TWO BID SYSTEM** for the **Supply, Installation and commissioning of Spinning Disk Super Resolution Confocal Microscope with accessories** as per technical specification and details given below and BOQ list from the original manufacturer/supplier at CPPP i.e. <https://eprocure.gov.in/eprocure/app>. Tender documents may please be downloaded from the E-procurement portal website <https://eprocure.gov.in/eprocure/app> & Institute website www.iisermohali.ac.in.

-Sd-

सहायक कुलसचिव (क्रय तथा भंडार)
Assistant Registrar (Stores & Purchase)



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली

शिक्षा मंत्रालय, भारत सरकार द्वारा स्थापित
सैक्टर 81, नॉलेज सिटी, प. ओ. मनोली, एस. ए. एस. नगर, मोहाली, पंजाब 140306
INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH MOHALI
(Established by Ministry of Education, Govt. of India)
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ई - निविदा आमंत्रण सूचना / E-TENDER NOTICE

Tender Ref.- IISERM(1519-3)22/23-Pur-GTE	Dated : 21 st July 2022
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Critical Date Sections

Sr.	Description	Date	Time
1.	Tender Publishing Date and time	21 st July 2022	6:00pm
2.	Tender Document download start Date & Time	21 st July 2022	6:00pm
3.	Bid Submission start Date & Time	21 st July 2022	6:00pm
4.	Bid Submission End date and Time	10 th August 2022	Upto 11:00am
5.	Tender opening Date and Time	11 th August 2022	At 11:30am

Online tenders are invited on behalf of the Director, IISER Mohali in **TWO BID SYSTEM** for following item(s) from the original manufacturer/supplier at CPPP i.e. <https://eprocure.gov.in/eprocure/app>. Tender documents may please be downloaded from the E-procurement portal website <https://eprocure.gov.in/eprocure/app> & Institute website www.iisermohali.ac.in. Online Tender fee of Rs 590/- (Non-refundable) should be submitted by bidder in favour of IISER Mohali through Online mode in Institute Account (Canara Bank Saving Account Number 4790101001912 and IFSC Code CNRB0004790). However, scanned copy of the Tender fee/UTR copy should be uploaded on website along with technical bid. **Micro & MSME/NSIC and Firms registered and the firms registered with concerned Ministries/ Departments, the bidders are exempted from payment of Tender Fee as per GOI notifications/GFR (2017) and Ministry of Finance OM No. F.9/4/2020-PPD dated 12 November 2020.**

Bidders will also be required to execute bond/undertaking Bid Security Declaration Form attached as ANNEXURE-I, in lieu of EMD.

ITEM WISE DETAILS

Sr. No.	Description	Qty. (in units)
1.	Supply, Installation and commissioning of Spinning Disk Super Resolution Confocal Microscope with accessories <u>Technical Specifications: As per ANNEXURE – II</u>	01

A) IMPORTANT NOTES:-

- I. **The online updated Price BOQ is in INR format. If bidder want to quote other than INR please specify the quoted currency in the Technical Bid/Part and fill the amount in same updated BOQ.**
- II. **Please bifurcate the price on shipping terms i.e. Ex-works -> FCA/FOB -> CIP/CIF in price BOQ and specify the same in technical bid without price.**
- III. **If quoted in foreign currency, kindly clearly specify the terms of delivery/country of origin/bank details with swift code/weight/size/dimension of shipment.**
- IV. **Restriction under Rule 144 (xi) of the General Financial Rules (GFRs), 2017 under sub clause 3, in terms of DOE, MoF No. F.18/37/2020-PPD dated: 8th February, 2021:**
 - (i) A bidder is permitted to procure raw material, components, sub-assemblies etc. from the vendors from countries which shares a land border with India. Such vendors will not be required to be registered with the Competent Authority, as it is not regarded as "sub-contracting".
 - (ii) However, in case a bidder has proposed to supply finished goods procured directly/indirectly from the vendors from the countries sharing land border with India, such vendor will be required to be registered with the Competent Authority.
- V. **The Online bids should be submitted directly by the original manufacturer/supplier/OEM, the OEM is required to furnish certificate to this effect. If quotation is submitted/filled by any representative/ agent/dealer then they must upload a Authorization Authority certificate from the principal company/OEM.**
- VI. **All MSME/NSIC/Startup Units shall be considered as per provisions/rules prescribed by Govt of India.**
- VII. **Auto-extension of last date for E-Tenders has been activated by CPP Portal which has participation 2 bids or less.**

B) SUBMISSION OF TENDER

- I. All bid/tender documents are to be uploaded online at Central Public Procurement portal i.e. <https://eprocure.gov.in/eprocure/app> only and in the designated cover/ part on the website against tender ID. Tenders/ bids shall be accepted only through online mode and no manual submission of the same shall be entertained. Also upload **Annexure I** (Bid Securing Declaration Form) if registered as **Micro & MSME/NSIC and Firms registered and the firms registered with concerned Ministries/ Departments.** Late tenders will not be accepted.
- II. The online bids shall be opened at the office of the Assistant Registrar (S&P), IISER Mohali, on above given date and time. If the tender opening date happens to be on a holiday or non-

working day due to any other valid reason, the tender opening process will be attended on the next working day at same time and place. IISER Mohali will not be responsible for any error like missing of schedule data while downloading by the Bidder.

- III. **The bidder shall upload the tender documents/NIT duly filled in and stamped by the authorized signatory on each and every page along with all necessary Annexures as per NIT alongwith checklist and Annexures. Tender not submitted/uploaded in the prescribed form and as per the tender terms and conditions shall be liable for rejection.**

Check List of Documents (signed & stamped) to be provided and uploaded by the bidder:

S. No.	Particulars of Documents	Yes/No	Page No. (As per technical bid)
1.	Tender Notice Document Copy of NIT		
2.	Technical Compliance Sheet		
3.	Authorization/MAF Certificate from OEM (principle)/ Manufacturer certificate		
4.	Tender Fee , if applicable or Exemption Certificate (NSIC/MSME Certificate)		
5.	Undertaking Bid Security Declaration Form – Annexure-I (on letter head duly signed and sealed)		
6.	PAN & GST		
7.	PRE BID INTEGRITY PACT: The bidder is required to provide Pre Bid Integrity Pact . As per Clause No. C Instructions sub-clause (8). Annexure-III		

** If checklist is not provided by the bidder alongwith ABOVE DOCUMENTS the bid shall be summarily rejected.*

- IV. The bidder shall upload scanned copy of the PAN Card, GST number duly signed and stamped. **Also bidders applying against ‘MSME/NSIC Certificate’ issued by appropriate Authority, should ensure that the certificate attached is relevant to the area of service/supply. For example, If the tender is for “supply & installation of Desktop” the certificate should be issued for activity/area of “Computer supply and services activities etc” otherwise bid will be REJECTED without notice.**
- V. E-procurement system ensures locking on the scheduled date and time. The system will not accept any bid after the scheduled date and time of submission of bid.

C) INSTRUCTIONS

1. The Online bids should be submitted directly by the original manufacturer/supplier, If quotation is submitted/filled by any representative/agent/dealer then they must upload a authority certificate from the principal company for quoting the price otherwise such quotation will be rejected.
2. The quantity mentioned in this inquiry is and shall be deemed to be only approximate and will not in any manner be binding on the Institute. Before the deadline for submission of the online bid, IISER Mohali reserves the right to modify the tender document terms and conditions. Such amendment/modification will be notified on website against said tender ID.
3. The rates offered should be FOR Chandigarh/Mohali in case of firms situated outside Chandigarh/Mohali, and free delivery at the Institute premises in case of local firms. Conditional tenders will be summarily rejected.

4. In case of Ex-godown terms the amount of packaging forwarding freight etc. should clearly be indicated by percentage or lump sum amount. Institute has policy not to make any advance payments towards any purchase, Letter of credit can be opened if required.
5. **Custom Duty, applicable as per GOI Norms.**
6. Tax: This Institute is not exempted from the payment of GST. The current rate (i.e. percentage of GST should be clearly indicated included or excluded) wherever chargeable. Please also provide/upload the copy of PAN card, GST number duly self-attested.
7. **GST, applicable as per GOI Norms.**
8. **PRE BID INTEGRITY PACT:** The bidder is required to provide **Pre Bid Integrity Pact.** All pages of the integrity pact are to be returned by the bidder (alongwith the technical bid) duly signed by the authorized signatory. Any bid not accompanied by integrity pact duly signed by the bidder shall be considered to be a non-responsive bid and shall be rejected straightaway.
9. Bidder/s quoting in currency other than **Indian Rupee (INR)** should explicitly mention **the currency in which tender quoted wherever applicable in Technical Bid** along the tender documents.
10. The delivery period should be specifically stated. Earlier delivery will be preferred.
11. **The firms are requested to provide/upload detailed description and specifications together with the detailed drawings, printed leaflets & literature of the article quoted and also should enclose Technical Compliance Sheet.** The name of the manufactures and country of manufacture should also invariably be stated. In the absence of these particulars and documents, the quotation is liable for rejection. Tenders not accompanied by detailed information as required, are liable to be rejected.
12. If any information furnished by the bidder is, at any stage found to be incorrect, false or fabricated, the Institute/purchaser shall have the absolute right to forfeit E.M.D. and security deposits, in addition to cancellation of contract, forfeiting the warranty/performance Guarantees and other action in accordance with law, such as black-listing, risk & cost etc.
13. Validity of offer: 180 days.
14. The warranty period after satisfactory installation should be mentioned and firm should replace all manufacturing defect parts/ whole item under warranty without any extra cost including clearance, freight, taxes. Security deposit/Performance Bank Guarantee @ 3% of the value of supply order, in terms of *Ministry of Finance, DoE, GOI, OM. No. F.9/42020-PPD dated 12-11-2020 and extension of vide circular no. F.9/4/2020-PPD dated: 30th December 2021* as per norms may be sought from the firms.
15. The right to reject all or any of the quotation and to split up the requirements for itemized L-1 or relax any or all the above conditions without assigning any reason is reserved by the IISER Mohali. For any corrigendum and addendum please be checked the website <https://eprocure.gov.in/eprocure/app> and <http://www.iisermohali.ac.in>
16. Disputes, if any, shall be subject to jurisdiction in the court of Mohali only.

-Sd-

सहायक कुलसचिव (क्रय तथा भंडार)
Assistant Registrar (Stores & Purchase)

ANNEXURE-I

Bid Securing Declaration Form

Date: _____ E-Tender No. _____ E-Tender ID _____

To (insert complete name and address of the purchaser)

I/We. The undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported by a Bid Securing Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of one year from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

- a) have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or
- b) having been notified of the acceptance of our Bid by the purchaser during the period of bid validity (i) fail or reuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders. I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid.

Signed: (insert signature of person whose name and capacity are shown)
in the capacity of (insert legal capacity of person signing the Bid Securing Declaration)

Name: (insert complete name of person signing he Bid Securing Declaration)
Duly authorized to sign the bid for an on behalf of (insert complete name of Bidder)

Dated on _____ day of _____ (insert date of signing)
Corporate Seal (where appropriate)

(Note: In case of a Joint Venture, the Bid Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid)

PS: *Furnish the above in original stationary/letter head with signed and sealed.*

ANNEXURE-II

TECHNICAL SPECIFICATIONS FOR SPINNING DISK SUPER-RESOLUTION CONFOCAL MICROSCOPE

(I) Technical Specifications of Motorized Inverted Fluorescence Research Microscope:

S. No.	Specification	Essential/Desirable
1.	Fully Motorized Inverted Fluorescence Microscope for BF/Fluorescence preferably with remote touch pad for controlling motorized components of the microscope.	Essential
2.	Tilttable binocular / trinocular eyepiece.	Essential
3.	Programmable linear encoded fast motorized X-Y scanning stage including sample holders for slides, 35/60 mm Petri dish, labtek chambers and multi well dishes with multipoint, tile and mosaic imaging software (capable of fast 6D imaging).	Essential
4.	Hardware & IR laser/LED Based Focus Drift compensation for long term live cell imaging application is mandatory.	Essential
5.	LED illumination for Fluorescence catering to the following fluorophores to be included. LED light source should be directly controlled by the imaging software for intensity modulation and wavelength switching.	Essential
6.	Band pass fluorescent filters for DAPI, GFP, Cy3, mCherry and Cy5.	Essential
7.	Motorized 6-position nosepiece, Motorized Condenser NA 0.5 or better, minimum 6-position fluorescence turret for accommodating fluorescent filters for sample visualization and camera based imaging.	Essential
8.	High precision Z-focus drive with step size of 10 nm or better.	Essential
9.	Plan super apochromat objectives - 40x/1.4 or better oil, 60/63x/1.42 oil immersion or better, 100X/1.45 oil or better, and confocal compatible lenses for 10X/0.40, Long Distance 20X/0.40 (WD 7.8 mm or better). DIC attachment for 20X, 40X, 60X and 100X should be the part of standard supply. All the objectives should be plan Apo chromatically corrected. The plan Apochromatic objectives should have uniform field of view (FOV) through out wide FOV of large Chip SCMOS (>21mm). Low Fluorescence Immersion Oil 100ml should be provided (minimum 5 bottles).	Essential (lenses with equivalent features with justification will be considered)

10.	Setup for long-term live cell imaging including fully automated incubation system with Temperature, CO ₂ and humidity control. The parameters for incubation system should be software controlled with the ability to record the temperature, CO ₂ level at periodic intervals of ~10 minutes or lesser.	Essential
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(II) Spinning Disk Super-resolution Confocal Imaging Unit with High Sensitivity Detector:

Super Resolution Imaging

S. No.	Specification	Essential/Desirable
1.	<p>Fully automated and motorized microlens based Spinning disc and Super resolution system with suitable high sensitive ScMOS Camera/Detectors and Emission filters for the entire Vis Spectrum. The quoted model should be a single camera or two-camera/dual-camera acquisition system. The operation for all of the components for image acquisition should be fully automated and motorized.</p> <p>The system should be capable of Real time Super resolution i.e. generating super resolution image during image acquisition with a minimum XY resolution of 120nm nm or better. The information regarding “generating super resolution image during image acquisition” should be clearly mentioned in the product documents.</p> <p>The scanhead should have a built in 8 position fast emission filter wheel with emission filters for DAPI, FITC, TRITC, mCherry and Cy5 for fast two color imaging for GFP & RFP.</p> <p>The system should be able to work in super resolution mode. The scan head should be equipped with appropriate optical components to make the uniform field of view both for 1X and intermediate magnification lenses. The scan head should have a built in intermediate optical magnification for 2X or above. The switching between 1X and Intermediate magnification should be motorized and should be controlled with the imaging software. Widefield bypass mode as well to facilitate epi-fluorescence imaging. Any technology that helps to deliver optimum illumination to laser-based multi-point confocal and widefield microscopy should be quoted. It should provide imaging uniformity and spectral range with minimal power loss, and maintain high signal to noise ratio.</p> <p>For live cell imaging at standard and super resolution: The set up should not have any cross talk issues and limit the emission signal detected due to having a narrower band emission filters. The Offered system should not have any Realignment issues when the optical path is changed. A single Disk achieving the required scan speed of 4000</p>	Essential

	rpm and above with 200 fps or above will be preferred at a resolution of 512x512 pixels. The design of the 40/50um pinhole should ensure maximum confocality is achieved with the modern, commonly used, high NA 60x and 100x oil immersion objectives.	
2.	Detection based on high sensitivity sCMOS detectors. The sCMOS camera should be with minimum 95% Quantum Efficiency, 6.5µm x 6.5µm Pixel Area, 2048 x 2048 array - 4.2 Megapixel, Read Noise 1.6e- (Median) 45,000 e- Pixel Full Well, 25000:1 Dynamic Range, 43fps USB 3.0 (12 -bit & 16-bit), 43FPS CaoXpress (16 bit), Linearity better than 99.5%, Dark Current 0.5e-/pixel/sec at --20 °C should be 0.1.	Essential
3.	Emission filters options for the entire Vis spectrum should be available. All laser lines for confocal Imaging should be useable for imaging in the super resolution mode, GFP/mCherry should be offered for two color fast sequential imaging. Suitable Primary DMs (405/488/561/640) in the scan head should be offered. Quote for dual band pass (GFP/RFP/mCherry) emission filter for faster two-color excitation sequential imaging.	Essential
4.	A Real-Time controller: The controller should provide parallel command execution for motorized components such as LED/Laser switching, shuttering, swift movement of filter wheel and Z movement during fast two color XYZ time lapse imaging. The device should support fast two color near simultaneous imaging using single camera with perfect over lapping of two colors. The process of closing the shutter and moving the filter wheels & Z steps should begin as soon as camera acquisition is done, during camera chip readout to avoid bleaching. Both filter wheel and laser/LED should switch/move in parallel to save time during two color imaging using single camera for perfect overlapping two colors during fast time lapse imaging (for vesicle tracking experiments).	Essential

(III) Laser modules with AOTF/Direct Modulation to control all solid-state lasers:

S. No.	Specification	Essential/Desirable
1.	488 nm, 565/561 nm, and 633/640nm (or equivalent). All visible & UV lasers should be connected to the scan head and should be controllable for fast laser switching and attenuation. Laser lines should be 100mW or better. All the solid-state lasers should have a minimum a lifetime of at least 10,000 hrs.	Essential
	The system should have capability to accommodate lasers in the visible to Near-Infra red range.	Essential

(IV) System control and Imaging Software:

S. No.	Specification	Essential/Desirable
1.	Software should be capable of controlling every component of the system including microscope, incubation system, confocal setup, and super resolution module. Should be compatible for 3D, 4D, 5D and 6D imaging (X, Y, Z, t, multi color, multi point). Image stitching in co-ordination with XYZ stage.	Essential
2.	FRET imaging as well as Quantitative data analysis capability.	Desirable
3.	Advanced 3D image reconstruction with rendering from a Z stack image series including 3D Blind deconvolution capability in widefield, confocal and Super resolution deconvolution modalities (for all the three PSFs).	Essential
4.	Co-localization and histogram analysis with individual parameters.	Essential
5.	Software for Tracking: Interactive processing and visualization and analysis software for 3D and 4D microscopic images. Featuring state of the art volume and surface rendering, object detection, tracking and cell division tracking tools. Software Package to automatically analyze moving objects which can divide over time, create a tree representation for the split tracks and get the quantitative information from their image data.	Essential
6.	Image acquisition and processing tools for super resolution images with various modes of visualization tools.	Essential
7	Offline Analysis Software with 3D Deconvolution should be provided	Essential

(V) Computer and Monitor:

S. No.	Specification	Essential/Desirable
1.	<p>State of the art 64 bit control computer with minimum Intel dual quad-core Processor, ECC RAM 96 GB or more; 4x SSDs (8TB for images, 4 x 2TB) or better and upgradable to 16x SSDs with 4TB each or better, DVD, SuperMulti SATA +R/RW, Graphics: dedicated dual display with minimum 8 GB internal RAM, dedicated GPU for accelerated deconvolution, Gigabit Ethernet, Windows 10 64 bit or better, mouse with pad; USB 2.0/3.0, Fire wire. Large 34” LED backlit LCD monitor or equivalent for controlling the entire system. The computer and all the provided license softwares should be upgradable and compatible to newer version of Windows.</p> <p>A secondary analysis computer with RAM 32 GB or better, 1x SSDs (2TB or more) along with 4x SATA (4 x 2TB or better) and upgradable to 4x SSDs with 2TB each or better, Intel 3 GHz core processor with 6 Cores or better, dedicated graphics card with minimum 5 GB memory capacity, DVD, SuperMulti SATA +R/RW, Gigabit Ethernet, Windows 10 64 bit or better, mouse with pad; USB 2.0/3.0, Fire wire. Large 34” LED-backlit LCD monitor or equivalent for controlling the entire system. The computer and all the provided license softwares should be upgradable and compatible to newer version of Windows, configuration for post image analysis and complete analysis license package to be included. Also with the secondary analysis computer, a reputable UPS with a back up of minimum 30 minutes should be provided.</p>	Essential

(VI) Accessories:

The bidder should supply the below items along with the machine:

S. No.	Specification
1.	<p>High-quality Suitable vibration isolation table with silent automated compressor pump as follows:</p> <p>Anti Vibration Optical Table (should have a free space of ~ 1 feet or more surrounding the equipment post installation and functioning) comprising of the following:</p> <ul style="list-style-type: none">a) Optical Table Top: Optical bread board with stainless steel skin (~ 5 mm or more) with M6 individually sealed threaded holes with > 4-inch thick honeycomb based vibrational damping.b) Auto Leveling Pneumatic Vibration Isolators with compressor and leveling valves. The isolators together with table-top should present a workspace that is 3 feet from the floor.

2.	True Online UPS system with isolation transformer for the entire system with minimum 1-hour backup. A suitable UPS for offline system should also be quoted with a minimum back up of 30 minutes.
3.	100% CO2 Cylinders (2 in quantity) with regulators.

- a) **Training and demonstration:** Training on usage of the machine (hardware and software) must be demonstrated by the application specialist of successful bidder at bidder's cost to the end users at IISER Mohali. The application specialist of the successful bidder has to provide additional trainings in the first two years.
- b) The system should be supplied directly by the principal manufacturer/Authorized distributor as turn-key system. All the components in the system viz. microscope, lasers, confocal unit and camera should be responsibility of the Primary Supplier including the Third Party Components.
- c) **Warranty:** The complete Spinning disc confocal microscope system is to be under comprehensive warranty period of minimum 5 years including preventive maintenance, spare parts including lasers and data analysis software from the date of functional installation. The software should be updated as and when these updates are available. If the instrument or any part of the instrument is found to be defective, it has to be replaced or rectified at the cost of the bidder (including the shipping and custom clearance charges plus any other charges if applicable) within 30 days from the date of receipt of written communications from IISER Mohali during this warranty period. If there is any delay in replacement or rectification, the warranty period should be correspondingly extended.
- d) **Annual Maintenance Contract:** An optional Annual maintenance contract for a period of 2 years should be quoted on completion of comprehensive warranty period.
- e) **Delivery and Installation:** The bidder shall provide the lead-time to delivery, installation and to be made functional at IISER Mohali from the date of receipt of purchase order. The system should be delivered, installed and made functional within 180 days from the date of receipt of purchase order. The installation of the system will be considered fulfilled only on satisfactory and complete installation of the system by engineers from the principal manufacturer and demonstration of live-cell imaging on this system and complete training of all features/capabilities of the system to the end-users from the principal manufacturer's application specialist. After successful installation, training completion and inspection, the date of taking over of the entire system by IISER Mohali shall be taken as the start of the warranty period.
- f) There should be at least two on-site training for a week one immediately after the installation operation training and the other after 3-6 months for follow up training and standardization training for students.
- g) The principal company should provide free online training/troubleshooting/handholding to standardize new experiment protocols to students for a period of two years.

ANNEXURE-III

PRE CONTRACT INTEGRITY PACT

General

This pre-bid ~~pre-contract~~ Agreement (hereinafter called the Integrity Pact) is made on _____ day of the month of _____ 2010, between, on one hand, the President of India acting through Shri _____, Designation of the officer, Ministry of Education /Department, Government of India (hereinafter called the "BUYER", which expression shall mean and include, unless the context otherwise requires, his successors in office and assigns) of the First Part and M/s _____ represented by Shri _____. Chief Executive Officer (hereinafter called the "BIDDER/Seller" which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns) of the Second Part.

WHEREAS the BUYER proposes to procure (Name of the Stores/Equipment/Item) and the BIDDER/Seller is willing to offer/has offered the stores and

WHEREAS the BIDDER is a private company/public company/Government undertaking/partnership/registered export agency, constituted in accordance with the relevant law in the matter and the BUYER is a Ministry of Education/Department of the Government of India /PSU performing its functions on behalf of the President of India.

NOW, THEREFORE,

To avoid all forms of corruption by following a system that is fair, transparent and free from any influence/prejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into with a view to :-

Enabling the BUYER to obtain the desired said stores/equipment at a competitive price in conformity with the defined specifications by avoiding the high cost and the distortionary impact of corruption on public procurement, and

Enabling BIDDERS to abstain from bribing or indulging in any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also abstain from bribing and other

corrupt practices and the BUYER will commit to prevent corruption, in any form, by its officials by following transparent procedures.

The parties hereto hereby agree to enter into this integrity Pact and agree as follows:

Commitments of the BUYER

- 1.1 The BUYER undertakes that no official of the BUYER, connected directly or indirectly with the contract, will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the BIDDER, either for themselves or for any person, organisation or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the contract.
- 1.2 The BUYER will, during the pre-contract stage, treat all BIDDERS alike, and will provide to all BIDDERS the same information and will not provide any such information to any particular BIDDER which could afford an advantage to that particular BIDDER in comparison to other BIDDERS.
- 1.3 All the officials of the BUYER will report to the appropriate Government office any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.
2. In case any such preceding misconduct on the part of such official(s) is reported by the BIDDER to the BUYER with full and verifiable facts and the same is prima facie found to be correct by the BUYER, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the BUYER and such a person shall be debarred from further dealings related to the contract process. In such a case while an enquiry is being conducted by the BUYER the proceedings under the contract would not be stalled.

Commitments of BIDDERS

3. The BIDDER commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre-contract or post-

contract stage in order to secure the contract or in furtherance to secure it and in particular commit itself to the following:-

- 3.1 The BIDDER will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BUYER, connected directly or indirectly with the bidding process, or to any person, organisation or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the contract.
- 3.2 The BIDDER further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BUYER or otherwise in procuring the Contract or forbearing to do or having done any act in relation to the obtaining or execution of the contract or any other contract with the Government for showing or forbearing to show favour or disfavour to any person in relation to the contract or any other contract with the Government.
- 3.3* BIDDERS shall disclose the name and address of agents and representatives and Indian BIDDERS shall disclose their foreign principals or associates.
- 3.4* BIDDERS shall disclose the payments to be made by them to agents/brokers or any other intermediary, in connection with this bid/contract.
- 3.5* The BIDDER further confirms and declares to the BUYER that the BIDDER is the original manufacturer/integrator/authorised government sponsored export entity of the defence stores and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the BUYER or any of its functionaries, whether officially or unofficially to the award of the contract to the BIDDER, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation.

- 3.6 The BIDDER, either while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments he has made, is committed to or intends to make to officials of the BUYER or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.
- 3.7 The BIDDER will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.
- 3.8 The BIDDER will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.
- 3.9 The BIDDER shall not use improperly, for purposes of competition or personal gain, or pass on to others, any information provided by the BUYER as part of the business relationship, regarding plans, technical proposals and business details, including information contained in any electronic data carrier. The BIDDER also undertakes to exercise due and adequate care lest any such information is divulged.
- 3.10 The BIDDER commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.
- 3.11 The BIDDER shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.
- 3.12 If the BIDDER or any employee of the BIDDER or any person acting on behalf of the BIDDER, either directly or indirectly, is a relative of any of the officers of the BUYER, or alternatively, if any relative of an officer of the BUYER has financial interest/stake in the BIDDER's firm, the same shall be disclosed by the BIDDER at the time of filing of tender.

The term 'relative' for this purpose would be as defined in Section 6 of the Companies Act 1956.

3.13 The BIDDER shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the BUYER.

4. Previous Transgression

4.1 The BIDDER declares that no previous transgression occurred in the last three years immediately before signing of this Integrity Pact, with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India that could justify BIDDER's exclusion from the tender process.

4.2 The BIDDER agrees that if it makes incorrect statement on this subject, BIDDER can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

5. Earnest Money (Security Deposit)

5.1 While submitting commercial bid, the BIDDER shall deposit an amount _____ (to be specified in RFP) as Earnest Money/Security Deposit, with the BUYER through any of the following instruments:

- (i) Bank Draft or a Pay Order in favour of _____
- (ii) A confirmed guarantee by an Indian Nationalised Bank, promising payment of the guaranteed sum to the BUYER on demand within three working days without any demur whatsoever and without seeking any reasons whatsoever. The demand for payment by the BUYER shall be treated as conclusive proof of payment.
- (iii) Any other mode or through any other instrument (to be specified in the RFP).

5.2 The Earnest Money/Security Deposit shall be valid upto a period of five years or the complete conclusion of the contractual obligations to the complete satisfaction of both the BIDDER and the BUYER, including warranty period, whichever is later.

5.3 In case of the successful BIDDER a clause would also be incorporated in the Article pertaining to Performance Bond in the Purchase Contract that the provisions of

Sanctions for Violation shall be applicable for forfeiture of Performance Bond in case of a decision by the BUYER to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.

5.4 No interest shall be payable by the BUYER to the BIDDER on Earnest Money/Security Deposit for the period of its currency.

6. Sanctions for Violations

6.1 Any breach of the aforesaid provisions by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER) shall entitle the BUYER to take all or any one of the following actions; wherever required:-

- (i) To immediately call off the pre contract negotiations without assigning any reason or giving any compensation to the BIDDER. However, the proceedings with the other BIDDER(s) would continue.
- (ii) The Earnest Money Deposit (in pre-contract stage) and/or Security Deposit/Performance Bond (after the contract is signed) shall stand forfeited either fully or partially, as decided by the BUYER and the BUYER shall not be required to assign any reason therefore.
- (iii) To immediately cancel the contract, if already signed, without giving any compensation to the BIDDER.
- (iv) To recover all sums already paid by the BUYER, and in case of an Indian BIDDER with interest thereon at 2% higher than the prevailing Prime Lending Rate of State Bank of India, while in case of a BIDDER from a country other than India with interest thereon at 2% higher than the LIBOR. If any outstanding payment is due to the BIDDER from the BUYER in connection with any other contract for any other stores, such outstanding payment could also be utilised to recover the aforesaid sum and interest.
- (v) To encash the advance bank guarantee and performance bond/warranty bond, if furnished by the BIDDER, in order to recover the payments, already made by the BUYER, along with interest.
- (vi) To cancel all or any other Contracts with the BIDDER. The BIDDER shall be liable to pay compensation for any loss or damage to the BUYER resulting

from such cancellation/rescission and the BUYER shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER.

- (vii) To debar the BIDDER from participating in future bidding processes of the Government of India for a minimum period of five years, which may be further extended at the discretion of the BUYER.
- (viii) To recover all sums paid in violation of this Pact by BIDDER(s) to any middleman or agent or broker with a view to securing the contract.
- (ix) In cases where irrevocable Letters of Credit have been received in respect of any contract signed by the BUYER with the BIDDER, the same shall not be opened.
- (x) Forfeiture of Performance Bond in case of a decision by the BUYER to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.

6.2 The BUYER will be entitled to take all or any of the actions mentioned at para 6.1(i) to (x) of this Pact also on the Commission by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER), of an offence as defined in Chapter IX of the Indian Penal code, 1860 or Prevention of Corruption Act, 1988 or any other statute enacted for prevention of corruption.

6.3 The decision of the BUYER to the effect that a breach of the provisions of this Pact has been committed by the BIDDER shall be final and conclusive on the BIDDER. However, the BIDDER can approach the Independent Monitor(s) appointed for the purposes of this Pact.

7. Fall Clause

7.1 The BIDDER undertakes that it has not supplied/is not supplying similar product/systems or subsystems at a price lower than that offered in the present bid in respect of any other Ministry of Education/Department of the Government of India or PSU and if it is found at any stage that similar product/systems or sub systems was supplied by the BIDDER to any other Ministry of Education/Department of the Government of India or a PSU at a lower price, then that very price, with due

allowance for elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the BIDDER to the BUYER, if the contract has already been concluded.

8. Independent Monitors

- 8.1 The BUYER has appointed Independent Monitors (hereinafter referred to as Monitors) for this Pact in consultation with the Central Vigilance Commission (Names and Addresses of the Monitors to be given).
- 8.2 The task of the Monitors shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.
- 8.3 The Monitors shall not be subject to instructions by the representatives of the parties and perform their functions neutrally and independently.
- 8.4 Both the parties accept that the Monitors have the right to access all the documents relating to the project/procurement, including minutes of meetings.
- 8.5 As soon as the Monitor notices, or has reason to believe, a violation of this Pact, he will so inform the Authority designated by the BUYER.
- 8.6 The BIDDER(s) accepts that the Monitor has the right to access without restriction to all Project documentation of the BUYER including that provided by the BIDDER. The BIDDER will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The Monitor shall be under contractual obligation to treat the information and documents of the BIDDER/Subcontractor(s) with confidentiality.
- 8.7 The BUYER will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the parties. The parties will offer to the Monitor the option to participate in such meetings.
- 8.8 The Monitor will submit a written report to the designated Authority of

BUYER/Secretary in the Department/ within 8 to 10 weeks from the date of reference or intimation to him by the BUYER / BIDDER and, should the occasion arise, submit proposals for correcting problematic situations.

9. Facilitation of Investigation

In case of any allegation of violation of any provisions of this Pact or payment of commission, the BUYER or its agencies shall be entitled to examine all the documents including the Books of Accounts of the BIDDER and the BIDDER shall provide necessary information and documents in English and shall extend all possible help for the purpose of such examination.

10. Law and Place of Jurisdiction

This Pact is subject to Indian Law. The place of performance and jurisdiction is the seat of the BUYER.

11. Other Legal Actions

The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

12. Validity

12.1 The validity of this Integrity Pact shall be from date of its signing and extend upto 5 years or the complete execution of the contract to the satisfaction of both the BUYER and the BIDDER/Seller, including warranty period, whichever is later. In case BIDDER is unsuccessful this Integrity Pact shall expire after six months from the date of the signing of the contract.

12.2 Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact shall remain valid. In this case, the parties will strive to come to an agreement to their original intentions.

13. The parties hereby sign this Integrity Pact at _____ on _____

BUYER

BIDDER

Name of the Officer.

CHIEF EXECUTIVE OFFICER

Designation

IISER, MOHALI

Deptt./MINISTRY of Education

Govt. of India

Witness

Witness

1. _____

1. _____

2. _____

2. _____

*Provisions of these clauses would need to be amended/deleted in line with the policy of the BUYER in regard to involvement of Indian agents of foreign suppliers.