# INDIAN INSTITUTE OF TECHNOLOGY
# KHARAGPUR – 721 302, INDIA

**Tender No: IIT/BT/HOD/20-21/IFM/ENQ-03** **Date : 24.06.2020**

**Sub: Procurement of Equipment**

Indian Institute of Technology Kharagpur, an Institute of National Importance, invites sealed bids from reputed manufacturers or their authorized Distributors / Dealers, (foreign firms or their Indian Representative company) who have adequate credential for supply/installation **Inverted Fluorescence Microscope with Camera** for the items as per the Annexure –I for the **Department of Biotechnology**, Indian Institute of Technology, Kharagpur, India. All these experimental units (standalone complete setups) are required for dedicated use in UG and PG laboratory courses.

Interested parties may submit their sealed bids under Two-cover system as per **Technical Specifications** given at **Annexure I**, and **General Terms & Conditions** and **Special instructions** given at **Annexure II and Annexure III**. Bidders are required to submit their **Details** in the format given at **Annexure IV** along with their technical bids. They are also required to submit a signed **Declaration** in the format given at **Annexure V**. A **Checklist** and **Compliance statement** against each item of Annexure I - III thereon severally & individually shall also be submitted. Kindly refer to the Institute website **www.iitkgp.ac.in** [link: Tenders] for complete tender details.

The tender be sent in a sealed packet, containing two separate sealed envelopes (one each for **Technical Bid and Price Bid**) along with prescribed tender fee duly superscripted with **Tender Notice No., dated**, to the Office **of the Head, Department of Biotechnology, Indian Institute of Technology Kharagpur, P.O. Kharagpur Technology, PIN 721 302, West Bengal, India on or before 16-07-2020 by 4.00PM.**

For any query pertaining to this bid document, communication be address to Head, Department of Biotechnology, Indian Institute of Technology, Kharagpur-721302 [Ph.: 913222-282248]

The technical bid will be evaluated first and price bids will be opened only in respect of those OEMs/Vendors, who are found technically qualified after evaluation of Technical bids.

The **Technical bids will be opened on at 17.07.2020 at 11:30a.m.** in the Office of Head, **Department of Biotechnology,** Indian Institute of Technology Kharagpur.

Copy to :

1. Institute website
2. CPPP
3. Notice Board
4. Head, Department of Biotechnology

Head, Dept. Of Biotechnology
For Director, IIT, Kharagpur

**Annexure I**

**Technical Specifications for Inverted Fluorescence Microscope with Camera**

| Sl No | Technical Specifications | Quantity |
|---|---|---|
| 1 | **Inverted Fluorescence Microscope with Camera**<br>• Microscope body should have on/off switch &dia/epi toggle switch should be on the body, illumination pillar should have tilting capability to accommodate bigger working area. Should be a infinity optical system.<br>• Magnification should be from 100x-1000x for observation.<br>• Eyepiece tube should be binocular with inclination angle between 30-40°, f.o.v. should be 22mm or more and having additional side port for camera<br>• Eyepiece lens should be 10x (2pcs) with both side diopter adjustment f.o.v 22mm or better and adjustable Interpupilary distance between 50-75mm or better.<br>• Objective lens achromat 10x phase n.a.0.25 or more, w.d: 6 mm or more, plan fluor 20x phase n.a.0.45 or more, w.d:.7-8mm or better, plan fluor 60x, n.a.0.7 or more, w.d:.2-2.5mm or better with cover glass correction, plan fluor 100x,n.a.1.3 or better, w.d:.0.15 or more<br>• DIC Polarizer, Analyzers and Sliders for 60X should be provided. Other DIC accessories should also be included.<br>• Nose piece must be DIC sextuple nosepiece.<br>• Coarse / fine focusing knobs with fine focusing @ 0.1mm per rotation or less and coarse focusing @ 5 mm/per rotation or more. Coarse motion torque should be adjustable**.**<br>• Stage should be rectangular having dimensions 25x25cm or more & 10cm x 7cm cross travel range. Appropriate stage handle should be included. Specialized holders for slides, petridishes (35mm and 65mm), universal holder and well plate clamper should be present.<br>• Condenser turret should have atleast 7 positions condenser for bright-field, phase-contrast, DIC or any special contrast. A contrast shield that blocks room light should mandatorily be present with the system. Contrasting feature compatible with glass and plastic dishes allowing thick samples to be easily observed and not effecting epi-fluorescence should be inbuilt in the system.<br>• Illumination should be through high luminescent white LED eco-illuminator, which is low on power consumption and yet provides extremely bright illumination. The approximate lifetime should be 60000hrs.<br>• In-built LED fluorescence with narrow band UV (ex365-380 and em430-490or broader Appropriate Dichoric Mirror similar to dm415and Barrier Filter similar to BA430-490 should be present, blue filters (ex470-490 andem515-550 or broader, dichoric mirror similar to dm505 and barrier filter similar to BA512-558) & green filter (ex510-560 or broader and em580 & above, dichoric mirror similar to dm575 and barrier filter similar to BA582-637). Should have four-position fluorescence filter turret for three filters & one bright field position. System should be able to automatically reproduce the last used intensity once the same wavelength is used. | 1 |

| | | |
|---|---|---|
| | • Image acquisition through a suitable usb 3.0 based CCD/CMOS camera having pixel resolution of 2880x2048 pixel with image size of 5.7MP or higher. The camera should have atleast 65% quantum efficiency for better fluorescence imaging. Full frame speed of at least 15fps for live display all pixel mode and 30fps in half pixel mode. There should be atleast three way exposure control.<br>• Image analysis software should be capable of documentation, measurement acquisition, AVI-live stream, video recording capture, Live Image Capture, Calibration, Line intensity, image stitching (Large image), measurement, count, length, area, angle, circle and ellipse, GUI, Data Base, Vector Layer & Multi-dimensional file format, LUT, back ground correction, Macro, Segmentation, Auto-measurement, Report Generator facility, Data Base, Vector layer & Multi-Dimensional File Format. Drag & drop channel merging, linear intensity profiling, video capturing, image editing, time-lapse imaging, exporting data to excel format etc. Software must be upgradable to advanced version to support 6D imaging, 2D/3Ddeconvolution etc. (user list of same should be provided with contact details)<br>• Microscope, camera & software should be from same manufacturer and the same should be CE/USFDA certified and the same furnished along with the quote.<br>• Suitable Computer having atleast and i5 based processor, 8GB RAM and 1TB HDD should be quoted for imaging & analysis.<br>• Quotations in INR will be preferred considering the fluctuations in foreign currency and stringent budget. | |

## GENERAL TERMS and CONDITIONS

(1) Manufacturer/Indian Agents of OEM should submit *two*-parts bid, Technical and Commercial bid in separate sealed envelopes. The technical bid should have a copy of commercial bid with prices masked. Modules to be supplied by the Indian Agent from Indigenous sources must be with ISO 9001 or equivalent certification and unit prices of such modules must be given in Rupees. The main equipment as well as the modules should have warranty of one year.

(2) Only those manufacturers/their Indian Agents are eligible to quote who have supplied and installed at least 10 such equipment in India during the past 5 years. IIT Kharagpur reserves the right to verify confidentially the information in this regard from the users.

(a) Provide the name of the Indian Agent who will be responsible for maintaining the equipment during the entire period under warranty and CMC

(b) Provide names of service engineer who are posted in India; the service engineers should have been trained at Original Equipment Manufacturers (OEM's) own unit.

(3) While submitting the technical bid, the company must undertake to ensure continued availability of adequate number of technically qualified Service Engineers for the Equipment during the period of supply, installation and throughout the warranty period.

(4) Period of validity: Bids shall remain valid for acceptance for a period of *Four months* (120 days) from the date of opening of PriceBids.

(5) Conditional offer will not be accepted. Price bid should preferably be in INR to prevent price escalation due to currency fluctuation OR if quoted in Foreign Currency the INR value on the date of Price bid opening would be fixed and price in foreign currency should be adjusted to fit that value in case of fluctuation.

(6) Late Tenders:- Tender received after the due date and time of submission as mentioned below shall not be accepted.

(7) Indian Agents of Bidders or Indian Agents who are bidding on behalf of their principals are to enclose the following documents: Current GST certificates and PAN No must be enclosed

(8) Name and Address, phone and e-mail address of minimum five clients, out of which at least

One should be in India to whom such/similar equipment have been supplied during the past five years should be mentioned.

(9) All Tenders (unless otherwise specified) are to be submitted/handed over to The Head, Department of Biotechnology, IIT Kharagpur-721 302**.**

(10) The person attending the bid opening session should be delegated with appropriate Power of Attorney (duly endorsed by a Notary Public) by the Chief Executive Officer of the Company to sign such documents. Only two persons on behalf of each Company will be allowed to participate/attend the Bid opening session.

(11) Bid once submitted shall be the property of IIT Kharagpur and shall not be returned to the vendor at any time.

(12) A bid submitted with false information will not only be rejected but the vendor may also be debarred from participation in future tendering process.

(13) Canvassing in any form not only invites disqualification in this tender but may also result in debarring the vendor from participation in the future tendering process.

(14) The vendor may be required to give presentation. Demonstration on the systems offered where vendor has installed and integrated similar solution may need to be arranged by the vendor at their own cost.

(15) Materials such as pipe, bricks, sand, stone-chips, cement, paint etc. if required for the installation of the above item and other fixation work will have to be supplied by vendor free of cost.

(16) The Company must be able to provide an all-inclusive Comprehensive Annual Maintenance Contract for the equipment beyond the Warranty Period. The Institute would like to enter into Comprehensive Maintenance Contract beyond initial warranty Period with the manufacturer.

(17) The installation must be completed within 15 days from the date of receipt by this institute. The presence of Service Engineer from the principal at the time of installation is essential.

(18) The Company must ensure the Institute about the 95% uptime during the operational period at the Institute with suitable spares and consumable at IIT Kharagpur. However, IIT Kharagpur may allow maximum time of 48 hours for the consumable available in India and for other items maximum of 05 working days from the date of lodging of report. A penalty of Rs. 5000/- (five thousand rupees only) per day shall be imposed for delay beyond 5 days. Similar penalty will be applicable for installation delay beyond 15 days from the receipt of the instrument at site.

(19) Change of Indian Agent: Prior intimation is required for this change. The new Agent should undertake to submit fresh performance guarantee first.

**ANNEXURE – III**

***INSTRUCTIONS & SPECIAL CONDITIONS***
(To be returned by Tenderer along with the Tender duly signed)

1. GENERAL:
Tenderer(s), who are Indian Agents of OEMs should furnish a clear declaration as follows:
We declare that I am/we are Accredited Agents of the suppliers aboard;

2. DEVIATION FROM SPECIFICATIONS:
It is in the interest of the tenderer to study the specifications in the tender schedule thoroughly before quoting so that, if the tenderer makes any deviations, the same are prominently brought out in the body of the tender. If you need to add any optional items to your system in order to meet our specifications, you are requested to quote for the total including the option required to suit our requirements; otherwise, your tender will not be considered at all.

3. PRICE:
For imported items both F.O.B. & C.I.F. Kolkata/F.O.R IIT Kharagpur price by Air to be quoted. The price should be without Customs Duty and Excise Duty since IIT Kharagpur is exempted from the payment of Customs & Excise Duties. The Institute if required will provide certificates for Import Items: The order acknowledgement should be issued by Fax within 3 days, and the item should be airlifted within 30 days from the date of receipt of the Letter of Credit copy / copy of DD, as the case may be.

(i) Agency Commission, if any will be paid to the Indian agents in Rupees on receipt of the equipment and after satisfactory installation. Agency Commission will not be paid in foreign currency under any circumstances.
(ii) The unit prices should be for the same unit as indicated in the Schedule to tender enquiry and not for any other unit.
(iii) Prices quoted should be for supply, installation and commissioning at I.I.T. Kharagpur.
(iv) Discount, if any, should be indicated separately / prominently.
(v) Offers should normally be on fixed and firm price basis. Any clause making price variation will not be acceptable.
(vi) Where tenderer intends to quote in Indian Rupees, for imported items, the price should be quoted “FOR Destination” basis. Offer should be on “High Sea Sales” basis. No sales tax can be charged. Customs Duty applicable against Declaration in Terms of Government of India Notification No.51/96-Customs dated 23.07.96 will be paid. Vendor will arrange payment of customs duty during clearance and the same will be reimbursed at actual against proper documents. Way Bill will be issued on request**.** Seller has to undertake the responsibilities of customs clearance. The IIT Kharagpur will provide all necessary supporting documents. An agreement can be made in this regard, if the seller wishes, before customs clearance.

4. TRANSIT INSURANCE:
The Purchaser will not pay separately for Transit Insurance.

5. PAYMENT:
i) Payment for indigenous items and also imported items quoted in Indian Rupees will be made only after completion of supply, installation and commissioning of the Systems to the entire satisfaction of the Purchaser. No Advance Payment will be made for Indigenous Purchase.
ii) Where items are imported and the payment is desired to be made to their foreign Principals directly, the same will be made against Irrevocable Letter of Credit only.

6. TENDERERS SHALL SUBMIT ALONG WITH THEIR TENDER:
i) Complete address and tele links for contact persons in principals and Indian agent offices dealing with this purchase.
ii) Name and full address of the OEM’s Banker and their swift code.
iii) Proof of having ISO 9001 or other equivalent certification given by appropriate authorities.

7. **EARNEST MONEY DEPOSIT**: TENDERER MUST SUBMIT AN EMD OF **Rs. 45000/-** **(**REFUNDABLE) IN THE FORM OF BANK DRAFT/BANK GUARANTEE IN FAVOUR OF "INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR". It should be placed in the cover containing of Technical Bid.

8. GUARANTEE:

The tenderer has to declare that the goods sold to the buyer under this contract shall be of the best quality and workmanship and shall be strictly in accordance with the specifications.

9. JURISDICTION:

All questions, disputes, or differences arising under, out of or in connection with the contract, if concluded, shall be subject to the exclusive jurisdiction at the place from which the acceptance of Tender is issued i.e. Jurisdiction of KOLKATA HIGH COURT. Acceptance to this effect is also necessary at the time of opening of Technical Bid.

10. ACKNOWLEDMENT:

It is hereby acknowledged that we have gone through all the points listed under "Instructions & Special Conditions" outlined above, and those in the accompanying note on "Important Conditions", and we agree to abide by them under the penalty of permanent disqualification for Tender participation and for related penal actions for non-abidance of the conditions.

11. Interested vendors must be able to supply adequate spares and consumable during one year warranty. Vendor should also ensure trouble free service and performance for another two years beyond one year Comprehensive Warranty Period with adequate spares and accessories

SIGNATURE OF TENDERER
ALONG WITH SEAL OF THE
COMPANY WITH DATE

NOTE: ONE AGENT CANNOT REPRESENT TWO SUPPLIERS OR QUOTE ON THEIR BEHALF AT ONE TIME. In case of import all the particulars required for opening Letter of Credit (L/C) should be furnished in clear terms. After opening of L/C, based on our tender, no more request for amendment of L/C will be entertained. Total price including supply, installation and commissioning at I.I.T., Kharagpur, should be quoted. The cost of items that may be supplied from indigenous resources and also installation part if installation is done by Indian Agents should be stated in Indian Rupees.

1. In case of Import, bidders are requested to quote FOB price mentioning Freight & Insurance charges separately. No Ex-Works pricing is considered.
2. Warranty should be valid for one year for all items including third party items.
3. Quotations should be submitted in Separate Sealed Cover (with Sealing Wax). The quotation should be in typed format. No manual entries are allowed and any manual entry will entail rejection at the opening stage itself.
4. Before submitting vendor should ensure that they have submitted the following in the technical bid the documents as mentioned hereunder: Technical Literature, Specification documents, **Point-by-point Compliance Statement,** General Terms & Conditions, Acceptance of Kolkata High Court Jurisdiction,

***The Commercial bid shall have all the commercial documents, agreements and Price bid. Prices should be given component wise to enable the Institute to decide the final configuration***.

**Important :**

1. The institute may accept or reject any or all the bids in part or in full without assigning any reason and does not bind himself to accept the lowest bid. The Institute at its discretion may change the quantity/upgrade the criteria/drop any item or part thereof at any time before placing the Purchase Order.
2. In case of any dispute, the decision of the Registrar of this Institute shall be final and binding on the Bidders.
3. For any query pertaining to this Bid document correspondence may be addressed to :-

The Head, Department of Biotechnology ,
Indian Institute of Technology, Kharagpur
Kharagpur-721302
[Ph.: 91-3222-282248]

N.B.: **In case the due date for opening tender happens to be a holiday, the same will be opened on the next working day. The timings will however remain unchanged. Please Note that the Institute remains closed on Saturday & Sunday.**

ANNEXURE – IV

# TECHNICAL BID DOCUMENT

**FORMAT TO BE FILLED BY THE MANUFACTURERS / INDIAN AGENTS (ON BEHALF OF THEIR FOREIGN PRINCIPLES) OR THEIR AUTHORIZED COUNTRY DISTRIBUTORS/ REPRESENTING DEALERS/ REGIONAL AGENCIES, SUBMITTING TENDER FOR SUPPLY OF FOR IIT KHARAGPUR**

1. Name of the Tenderer :

2. Status of the Tenderer :
   (attach documents, if registered company/partnership/proprietyship)

3. Whether OEM/representing foreign principle :
   (attach copy of certificate/authorization)

4. Details of key top official/authorized official :
   (attach details)

5. Details of tie-ups for supply/services, if any :
   (Attach details, agreements, escalation matrix)

6. Income Tax and Service Tax returns of previous three assessment year (copy) :

7. Name of the vendor's three largest clients, to whom similar products and services were extended & amount of transaction/annual bills to such clients :

8. Current list/address of clients where similar material has been supplied and successfully working 8.

9. Income Tax Permanent A/c No. (attach copy) :

10. Details of EMD/Bank Draft No., issuing branch and date:

Certified that all above information are correct to the best of my/our information, knowledge and belief.

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Dated signature & seal of the Authorized person of OEM/Vendor

**NOTE:** **This is to be submitted in a separate sealed envelope** super scribing "TECHNICAL BID", Notice inviting Tender No. **IIT/BT/HOD/20-21/IFM/ENQ-03 dated 24.06.2020** and name of the bidder. All technical documents like literature, catalogues etc., are to be put in the same envelope. Price bid of that company/firm only will be opened which do technically qualify, for further consideration. Attach all relevant documents in the same serial order as above, properly indexed, duly signed and sealed.

## Annexure V

## DECLARATION

1. I, ----------Son /Daughter of Shri ---------- ---------- Proprietor/Partner/CEO/MD/Director/ Authorized Signatory of M/s. ---------- am competent to sign this declaration and execute this tender document.

2. I have carefully read and understood all the terms and conditions of the tender and hereby convey my acceptance of the same.

3. The information/ documents furnished along with the above application are true and authentic to the best of my knowledge and belief.

4. I/ we/ am are well aware of the fact that furnishing of any false information/ fabricated document would lead to rejection of my tender at any stage besides liabilities towards prosecution under appropriate law.

5. Each page of the tender document and papers submitted by my Company is authenticated, sealed and signed, and I take full responsibility for the entire documents submitted.

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Signature of the Authorized Person

Date: ----------

Full Name : ----------

Place: ----------

Company Seal : ----------