



BID DOCUMENT

NAME OF WORK: Fluorescent Microscope with camera

Tender Enquiry No: P1/ **Fluorescent Microscope with camera** (Bact)/2019-20

Tender published at Website: <https://eprocure.gov.in>
www.nirt.res.in

Fax: +91-44-28362528

Telephone: +91-4428369500/9600

E-Mail: directornirt@nirt.res.in

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Tender No. P1/ **Fluorescent Microscope with camera** (Bact)/2019-20

Date: 08.01.2020

NIRT Tender

Electronic Bids are invited through website <https://eprocure.gov.in> under two bid system from eligible domestic bidders registered in India i.e Original Equipment Manufacturers/Authorized Dealers/Authorized Distributors/Suppliers authorized by OEM for procurement of **Fluorescent Microscope with camera** for Bacteriology department at NIRT, Chennai.

Tender Enquiry

Date of Publishing	08.01.2020
Bid Document Download start date(Online)	08.01.2020
Bid Submission start date(Online)	09.01.2020
Bid Submission End date (Online)	29.01.2020
Receipt of EMD at NIRT, Chennai	28.01.2020
Date of Technical Bid opening(Online)	30.01.2020
Date of Financial Bid Opening	To be Notified separately

Earnest Money Deposit: Rs.45,000/-. EMD should reach this office in the form of Demand Draft drawn in favour of The Director, NIRT, Chennai on or before **28.01.2020.**

Important Notes:

1. Tender documents may be downloaded from central Public Procurement Portal <http://eprocure.gov.in/eprocure/app>.
2. Only Bids received on our e-Tendering portal will be considered for opening. Bids in any physical form sent through fax/e-mail/courier/post/delivered personally will not be considered.
3. Any addendum/Corrigendum date extension in respect of above Tender shall be issued on our website www.nirt.res.in and website <https://eprocure.gov.in> only and no separate notification shall be issued in the press. Bidders are therefore requested to regularly visit our website to keep themselves updated.

Place: Chennai

Date: 08.01.2020



General TERMS & CONDITIONS

Nature of items:

For supply & installation of goods/instrument with specifications as mentioned in Annexure – I.

1. Scope of Supply:

1. The Tenders shall be submitted as per the new scientific equipments enclosed in Annexure – I
2. NIRT, Director reserves the right to accept or reject any or all Tenders without assigning any reason thereof.

2. Bid Submission and Opening:

- a. The bid should be submitted online at website <http://eprocure.gov.in/eprocure/app> only by due date. The server date and time as appears on the website only shall be considered for the cut-off date and time for submission of bids. Offers sent through post, fax, e-mail, courier or by any other mode will not be considered.
- b. Only those bidders shall be considered who submit requisite EMD documents and accept all the terms and conditions of the Tender document. The decision of NIRT shall be final and binding.
- c. Bidder will be responsible for any delay due to other issues.
- d. Bidder shall select the payment option as offline to pay the EMD and enter details of the Demand Draft/Bank Guarantee.
- e. The bidder has to digitally sign and upload the required documents one by one as indicated in the Tender document.

3. Submission of offer:

The Tender shall be submitted online in two cover system duly scanned and digitally signed by the authorized representative of the bidder as follows.

A) Cover-1 (Techno-commercial Bid):

Online Bid should be submitted containing copy of the following documents in cover-1 as documentary proof, for fulfilling qualifying criteria, failing which the offer shall be summarily rejected.

- a. Scanned copy of Earnest money amount must be furnished.
- b. Bidder/Agent who quotes for goods manufactured by other manufacturer shall furnish valid Manufacturer's / Dealer's Authorization form.

B) Cover-2 (Price Bid):

- a. The price must be quoted only in the price Bid format attached as BOQ. Please quote the prices

C) Indian Agent

1. If a foreign bidder has engaged an agent in India in connection with its bid, it will be required to give the following information in the bid.
 - The name and address of the Indian agent with their permanent income tax number
 - The details of the services the agent will Tender

TENDERER'S NAME & SIGNATURE WITH SEAL



icmr | **NIRT**
INDIAN COUNCIL OF
MEDICAL RESEARCH | NATIONAL INSTITUTE FOR
RESEARCH IN TUBERCULOSIS



आई सी एम आर – राष्ट्रीय यक्ष्मा अनुसंधान संस्थान
स्वास्थ्य अनुसंधान विभाग, स्वास्थ्य और परिवार
कल्याण मंत्रालय, भारत सरकार

ICMR - National Institute for Research in Tuberculosis
Department of Health Research, Ministry of Health
and Family Welfare, Government of India

4. Validity of Tender:

- The Tender shall be valid for a period of 180 days from the date of opening of the Tender.
- No representation for the enhancement of the prices of the accepted Tender or alteration of the terms and conditions will be entertained till supplies are completed.

5. Price:

- The price shall be firm and shall include all applicable taxes and other charges including freight charges for delivery upto destination that is NIRT, Chennai
- All duties, taxes and other levies payable by the bidder under the contract shall be included in the total price.

6. Payment:

- After successful installation of the material, payment will be made by NIRT, Chennai by NEFT transfer to the bank account.
- The Tenderer shall submit the documents which shall clearly indicate that the proper supply and installation of instrument/equipment has been done.
- 100% payment shall be made only after supply of the items in good condition along with successful delivery of items and satisfactory installation report received by competent authority. No advance payment will be made.

7. Earnest Money Deposit:

- The units registered with National Small Industries Corporation (NSIC) or the concerned ministry or Department shall be exempted from the payment of Earnest Money as defined in Rule 170 of GFR 2017. In such case, copy of the certificate showing registration with the above mentioned institution to be enclosed along with the bid.
- In case the unit is not covered as above, it shall submit the offer along with the EMD.
- The EMD by way of Demand Draft drawn in favour of The Director, NIRT, Chennai is to be sent to this office on or before the date specified in the notice for Tender.
- The scanned copy of the EMD should be included in Envelope I of the Tender documents. The offers without EMD will be rejected without any notice.

8. Performance Bank Guarantee:

The successful bidder shall be required to submit a performance Guarantee equivalent to 10% of the contract value in the form of Bank Guarantee/Demand Draft. The Bank Guarantee should remain valid for 3 months beyond the date of the completion of warranty.

9. The equipment should be delivered at the respective location at NIRT, Chetpet, Chennai. The supplier he is response for customs clearance at the respective airport / seaport, the freight charges against may be quoted in the Tender.

TENDERER'S NAME & SIGNATURE WITH SEAL



Warranty & Service: The entire instrument should be provided with 3 years comprehensive and 2 years non-comprehensive warranty from the date of completion of satisfactory warranty. Immediate response upon system failure should be guaranteed. Response to service calls should happen within 48 hours.

Others:

- ✓ The unit must be quoted by Original Equipment Manufacturers with Sales and service support facilities in India through their branch office / Indian Agent (or) Indian agent with extensive sales (Minimum 5 years) and service support in India representing foreign principals / Original Equipment manufacturers. The Indian agency / dealership certificate with details of sales and service support should be enclosed with the technical bid.
- ✓ The firm should provide necessary original documentary evidence of the features of the offered model in the technical bid to facilitate proper technical evaluation.
- ✓ Purchase orders, contact details and user satisfactory reports of the quoted model from Nationalized or reputed laboratories all over the India must be shared with quotation.
- ✓ Equipment should be delivered at the door step of NIRT. Imported equipment's customs duty, shipment clearance, equipment transport will be the responsibility of the instrument supplier.
- ✓ Complete installation and testing the main system and the accessories to their specifications done at the site of installation free of cost. All utility requirements for installation and running the system should be mentioned in the offer.
- ✓ Please indicate the year in which the model offered was introduced into the market and confirm whether the spares for the system would be available for a minimum period of 10 years and shall not be obsolete within five years of procurement.



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ICMR - National Institute for Research in Tuberculosis
Department of Health Research, Ministry of Health
and Family Welfare, Government of India

- ✓ Special discount on list price for all spare parts must be given up to 10 years.
- ✓ Availability of local service support and response time for a service call during and after warranty specified.

TENDERER'S NAME & SIGNATURE WITH SEAL



ANNEXURE-II

Bid Submission

Online Bid Submission:

The online bids must be uploaded online in two covers as explained below.

Cover – I			
(Following documents to be provided as single PDF file)			
S. No	Documents	Content	File Types
1.	Technical Bid	Compliance sheet with technical Specifications mentioned in Annexure-I	.PDF
2.		Online Bid Submission details (Annexure-II)	
Cover - II			
S. No	Types	Content	
1.	Financial Bid	Price Bid(BOQ) may be submitted as an BOQ for item quoted as per specification mentioned in Annexure-I	Excel

TENDERER'S NAME & SIGNATURE WITH SEAL

Department of Bacteriology

**SI No 4 Technical Specifications for Fluorescent Microscope with camera
Quantity – 1 no.**

S. N o	Technical specification	Complie d (yes or No)	If compliance given, mention the page no. of your technical document where the details are provided
1	The System must be Infinity- corrected optical system with Royal Microscopical Society (RMS) threaded objectives with a 45 mm par focal distance supporting fluorescence, bright field, color bright field, and phase contrast imaging modes.		
2	System must be a compact integrated unit including: microscope, digital cameras, computer, high power fluorescence lighting system for Neurobiology, Immuno-oncology, Live-cell imaging, 3D cell imaging (e.g., organoids, spheroids), Immunohistochemistry (IHC) applications etc.,		
3	The instrument should have Illumination through five-position chamber for 4 fluorescence illuminators plus bright field imaging; light illuminators with integrated hard-coated filter set and LED light source with >50,000-hour life; broad selection of standard and specialty LED illuminators. (List of LED illuminators to be attached).		
4	Imaging methods by Single color, multicolor, time lapse, Z-stacking, movie capture.		
5	Condenser - 60 mm LWD condenser; 4-position turret with a clear aperture and 3 phase annuli		
6	System must include mechanical X/Y stage; travel range 120 mm x 80 mm with sub micron resolution, drop- in inserts to receive vessel holders and lockdown holders to fix sample in place.		
7	The system must have automated focus mechanism with sub micron (0.150 um) resolution (single step accuracy) and mechanical focus wheel with single knob for coarse and fine focus.		
	System must include 5 position objective turret with front mounted control and Plan Flourite 10x, 20x, 40x objectives to be supplied along with instrument.		
8	The system must include 03 (DAPI – 357/447 nm, GFP - 470/525 nm and Texas Red - 585/624 nm) independent high output LED illuminators to be supplied along with		

	instrument. The LED illuminators must have independent intensity control		
9	Fluorescence LED illuminators must be single, interchangeable cubes that can be easily removed, installed and automatically recognized by the instrument software and adjust the configuration accordingly.		
10	The system must include an integrated high-sensitivity 3.2 MP or better (2,048 x 1,536) monochrome CMOS sensor with 3.45 µm pixel resolution.		
11	The system must provide a 1-click RGB channel overlay and also able to sequentially acquire a phase contrast image and a fluorescence image with a single mouse click, then overlay them automatically		
12	The system should allow user to review, measure, and annotate captured images and count count cells in fluorescence mode post-acquisition.		
13	The system should allow to perform Stem cell colony dissection with the fluorescence channels.		
14	The system should be compatible with the onstage Incubator for precise control of temperature, humidity, and gases for normoxic or hypoxic conditions allows a wide range of biological studies under physiological conditions..		
15	The Onstage incubator should not have a separate software module or control units and should be controlled by the software and user-interface on the imaging system		
16	The system must include Wizard based software and include downloadable software updates from time to time at no additional cost.		
17	The system with small foot print with Dimensions Approximately (L x W x H) - 18 x 23 x 18 inches preferable.		
18	The System should have networking capability connection through Windows/SMB network via an Ethernet cable connection and USB 3.0 WiFi dongle		
19	System must provide the following output file formats: 16 bit monochrome TIFF or PNG (12 bit dynamic range); 8 bit color TIFF, PNG JPG and BMP.		
20	System should have following output ports : Power, 4 USB 2.0 ports, 1 USB 3.0 port, 1 Display Port, 1 RJ45 network jack.		

21	System should include LCD Display - 18.5" articulated LCD color monitor with 1920x1080 pixel resolution		
22	The system should be supplied with computer configuration Embedded PC with 4 GB RAM. With 10GB SSD and 16GB USB 3.0 memory stick.		
23	Warranty: standard warranty of one year, CAMC for 2 nd and 3 rd year and AMC for the 4 th year.		
24	Suitable UPS for 1 hour backup		