



**NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA-769008 (ODISHA)**

An Institute of National Importance under Ministry of HRD, GOI

NOTICE INVITING TENDER

Tender Notification No: NITR/PW/BM/2020/202

Dated: 19/10/2020

The National Institute of Technology, Rourkela invites bids from the eligible bidders for procurement and installation of **Fluorescent Microscope with accessories** at NIT Rourkela.

Last date of Submission of Bid : **12/11/2020 by 03:00 PM**

Date of opening of techno-commercial Bid: **13/11/2020 at 03:00 PM**

For Details:

https://nitrkl.ac.in/OldWebsite/Jobs_Tenders/9Equipment/Default.aspx

Contact: Prof. Kunal Pal (BM)

Ph: 0661-2462289;

Email: palk@nitrkl.ac.in

Bidding through: <https://eprocure.gov.in/eprocure/app>

**Sd/-
REGISTRAR**



**NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA-769008, ODISHA**

(OPEN TENDER NOTICE NO.: NITR/PW/BM/2020/202

Dated: 19/10/2020)

Procurement of Fluorescent Microscope with accessories

Item No	Description	Quantity
1	Fluorescent Microscope with accessories (Detailed specification as per Annexure – I)	01 Unit

1. Quantity required: **As mentioned above (All information regarding technical specification provided in the Annexure-I)**
2. Delivery : Within **90 days** from the date of purchase order
3. **Last Date of submission of bid : 12/11/2020 by 03:00 PM**
4. **Date of opening of techno-commercial bid : 13/11/2020 at 03:00 PM**
5. The firm should not have been black listed at any time.
6. The submission of following bids by the tenderer should be through <https://eprocure.gov.in/eprocure/app> Please follow the guidelines as per the portal.

Procurement of Fluorescent Microscope with accessories
(Tender Notice No.: NITR/PW/BM/2020/202 Dated: 19/10/2020)
Due on 12/11/2020 by 03:00 PM

7. **Liquidated damage clause** will be charged for any delay in supply of goods.
8. The validity of the tender shall be **90 days** from the date of opening of Techno-commercial Bid.
9. Detailed advertisement including all tender documents is also available in our website at http://nitrkl.ac.in/OldWebsite/Jobs_Tenders/9Equipment/Default.aspx
10. NIT reserves the right to qualify or deny prequalification of any or all applicants without assigning any reasons.

(REGISTRAR)
NIT, Rourkela
Fax No- 0661-2462022
Ph. No -0661-2462021

ANNEXURE-I

Microscope Type	Upright trinocular epi-fluorescent microscope, upgradable to deca head teaching facility
Microscope body	All metal microscope with rubber/skin friendly material coated controlling wheels and knobs
Head	30 degree inclined compensation free trinocular head
Transmitted Illumination	At least 10watt power LED with warranted minimum for 7 years; Adjustable brightness
Fluorescence illumination	Reflected fluorescence mode, LED illumination
Eyepiece	10X/22mm
Objectives	20X (Polarizing PLAN), 10X, 20X, 40X (Fluorite), 100X oil. Illumination intensity memory against each objectives so that same light intensity available while changing objectives. Darkfield for 10X, 40X.
Objective lens holder	At least 5-position objective holder
Focusing system	Coaxial course-fine focusing system
Mechanical stage	Two-layered
Condenser/ Illumination	Abbe's condenser with iris diaphragm and filters, Dark-field and oblique field filters to be provided; Koehler Illumination
Fluorescence merging	Should be present
Image detector for dedicated fluorescence	Monochrome; CCD (at least 2 Mega Pixel). Camera should sense the objective and auto selection of measuring scale as per objectives, auto scale bar for day-to-day measurement job, hassel free operation. Image capture button/snap button on camera for PC free operation also.
Fluorescence Filter and exciter	Filters for Blue Emission (DAPI and other UV dye), Green Emission (For GFP/FITC etc), Red Emission (TRITC/RHODAMINE/PI etc). More fluorescence excitors should be available.
Software	Software should be able to include scale bar, do linear measurements, video recording
Microscope/ camera/ software	Should be from the same manufacturer
Warranty + AMC	1 year warranty + 4 years of non-comprehensive AMC
CE certification	Yes
Online UPS	Online UPS with backup of 30 min for the instrument and the portable computing platform
Computing platform	Suitable portable computing platform to be provided for the installation and operation of the software in an independent manner from the instrument

Installation and Training: A 2-day installation post-training should be provided by the bidder.