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| S.No | Specifications for MOTORIZED STEREOZOOM MICROSCOPE WITH EPI- FLUORESCENE ATTACHMENT AND HIGH RESOLUTION DIGITAL COLOR CAMERA AND IMAGE ANALYSIS SYSTEM | Criteria Matching (Yes/No) | Remarks |
| 1 | It should be a parallel-optics zooming type, apochromatic optical system and motorized zooming equipped with motorized coarse & fine focusing assembly. |  |  |
| 2 | It should have motorized focus along with controller to control motorized parts and zooming observation with bright field/ dark field/ fluorescence microscopy or better application. |  |  |
| 3 | It should offer 1000 Lines/mm resolution or higher (with combination of Plan Apochromatic 2x Objectives/Zoom). |  |  |
| 4 | Other specification should be in the range below or better: ZOOM RATIO : 25:1 ZOOM RANGE : 0.63x – 15.75x  MAGNIFICATION RANGE : 6.3x -157x (with 1x Objective & 10X Eyepiece used) APERTURE DIAPHRAGM : Built-in EYEPIECE TUBE: Trinocular tube should have 15º inclination or better for fatigue free viewing during long hours use with inter-pupillary distance range 52 -76 mm, with two step optical path selection (100:0, 0:100), with camera port to attach camera. EYEPIECE: Paired anti-fungal eyepiece 10x (F.N. 22) with dioptre adjustment on both eyes. NOSEPIECE: Two position Intelligent/ Coded revolving nosepiece to attach 2 objectives at a time. TRANSMITTED ILLUMINATION: Thin type base stand with LED transmitted illuminator with average life of 10,000 hrs and continuous variable light intensity and built in oblique coherent Contrast/similar feature for high contrast adjustment. EPI SCOPIC LED ILLUMINATION: Coaxial LED illuminator to Provide shadow-less image for thick Samples with Fibber Arm LED illuminator. EPI-FLUORESCENCE ATTACHMENT: 130 Watt Pre Centred Mercury Fluorescence Illumination with Life time 1500 Hrs or more with 4 position Epi-fluorescence filter turret attachment, To accommodate three or more filter cubes mountable at a time.  Ø Fluorescence Filters: GFP EX- 480/40nm, DM-510nm, BA-535/50nm. **OPTINAL ACCESSORIES:**   EPI-FLUORESCENCE FILTERS : Long Band Pass Epi Fluorescence Filters for   Ø RFP EX – 530-560nm, DM 570nm, BA-590nm Ø CFP EX- 436/20nm, DM 455nm, BA-480/40nm |  |  |
| 5 | The microscope with digital high resolution 15 mega pixel or more colour CCD/CMOS camera for high resolution colour and sensitive Low signal images With pixel size of 6.45um x 6.45um or better, live display mode: 6 fps at 15 Mega pixel resolution & max 45 fps at 1.4 Mega Pixel resolutions, Exposure Time 100 micro sec. – 120 sec., Fire Wire/USB 3.0 interface for easy Installation/ transfer to desktop for analysis, with suitable camera adapter for covering wider field of view. |  |  |
| 6 | The microscope with image analysis software have following details: |  |  |
|  | •         Fully Automated Device Control , Multi-Channel Image acquisition, Analysis & Merging, |  |  |
|  | •         Multi-Dimensional Image Capturing up to 6D, |  |  |
|  | •         Live Image Capture & Time Lapse Imaging , |  |  |
|  | •         Z-Stack acquisitions, Annotation, |  |  |
|  | •         Extended Depth Focus (EDF ) Module to Create Single Image from Z Stacks |  |  |
|  | •         Automated & Manual Measurement & Object Counting, |  |  |
|  | •         Large Image, Macro, |  |  |
|  | •         Report Generator Facility, |  |  |
|  | •         Vector Layer & Multi –Dimensional File Format. |  |  |
| 7 | A laptop (with locking mechanism for laptop for security purpose) with configuration, i7 processor, latest Window OS. 1TB HDD, 16 GB RAM, Keyboard, with 24” colour LED monitor, UPS, Win 10 OS (64 Bit), 2GB dedicated integrated Graphics card, Optical Mouse, DVD Writer, USB 3.0 Port, Dedicated offline UPS 600VA. |  |  |
| 8 |   Vendor must enclose Proper Principal Catalogue in support for verification of specifications conformity of quoted Microscope in tender. |  |  |
|  |   The supplier shall provide full demonstration and training to the purchaser/user free of cost at the time of installation of the equipment at the user’s location |  |  |
|  |   i) Bidders should quote latest model and microscope as per specification. |  |  |
|  | ii) Microscope, camera & software should be from same manufacturer for Better Integration & Upgradability option. |  |  |
|  | iii) Quoted model should comply international standards. |  |  |
|  | iv) Must be compatible with Indian power supply |  |  |
| 9 | Unpacking  and shifting of the instrument including manpower during installation must be in the vendor scope. |  |  |
| 10 | Min.3 Customer satisfactory / performance certificate for specific quoted model from the end user should be included in the quote. |  |  |
| 11 | Warranty 5 years including all spares , PM kit and calibrations of instrument on regular basis as and when required. |  |  |
| 12 | **\*AMC Charges** |  |  |
|  | AMC Charges for Sixth year after expiry of warranty period |  |  |
|  | AMC Charges for Seventh year after expiry of warranty period |  |  |
|  | AMC Charges for Eight year after expiry of warranty period |  |  |
|  | AMC Charges for Ninth year after expiry of warranty period |  |  |
|  | AMC Charges for Tenth year after expiry of warranty period |  |  |
|  | **\*CMC Charges** |  |  |
|  | CMC Charges for Sixth year after expiry of warranty period |  |  |
|  | CMC Charges for Seventh year after expiry of warranty period |  |  |
|  | CMC Charges for Eight year after expiry of warranty period |  |  |
|  | CMC Charges for Ninth year after expiry of warranty period |  |  |
|  | CMC Charges for Tenth year after expiry of warranty period |  |  |
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|  | **Applications** |  |  |
| 1 | High-end Materials Science and Industrial use |  |  |
| 2 | Research and Development activities across the full range of component parts and materials |  |  |
| 3 | Production Quality Control functions for both routine and critical component applications |  |  |
| 4 | Failure analysis studies to help determine, predict modes of failure, and verify applied solutions |  |  |
| 5 | Component surface examination, crack detection, corrosion studies and coating efficiency |  |  |
| 6 | Composite materials for Aerospace, Fabrics / Textiles, building and construction goods |  |  |
| 7 | Machine tool inspection for material integrity and features |  |  |
| 8 | Optoelectronic devices by structures and component location |  |  |
| 9 | Microelectronics, Micro-Electro Mechanical Systems (MEMS) |  |  |
| 10 | Mobile phone components & technologies, as well as electrical shavers & fine watch manufacturing |  |  |
| 11 | Medical devices including Implants, Prosthetics, and Intra vascular systems |  |  |
| 12 | Paint and coating technologies, inspecting both raw materials and in-situ coating integrity |  |  |
| 13 | Art and antiquity conservation / restoration in both research and routine activities |  |  |

Dear Sir / Madam,   
  
Sub: Request for Sealed Quotation for “Digital Zoom Stereomicroscope", Due date : 13.9.2021

Note:- You can submit you sealed bid, by hand, by courier or by email with encrypted document

Password will be required at the time of opening of bid.

1. This is in reference to the procurement of “Digital Zoom Stereomicroscope", Due date : 13.9.2021please find attached description of the item with the required specification and quantities. We would like to invite you to submit your best price you can offer for this item.

2.. Price   
  
\* The Contract/PO will be issued for the complete assignment.   
\* The rates quoted by the Agency / Supplier shall be fixed for the duration of the Contract and shall not be subject to adjustment on any account.   
  
3. Submission of Quotation   
  
\* **You are requested to submit the Technical Specification and Financial proposal Separately in sealed envelopes considering all aspects related to this assignment.**   
\* Strict compliance with the requirements of the invitation and any supplementary instructions which may accompany the invitation is required to be adhered to.   
\* You are requested to submit your quotation latest by **13-09-2021 by 5.00 PM**.   
\* Proposal (Quotation) received after the prescribed deadline will not be considered.   
\* The Agency / Consultant / Supplier should send quotation in sealed envelopes address to below given address.   
\* The outer envelope must indicate the name and address of the Agency / Consultant / Supplier and it should be written clearly for “Digital Zoom Stereomicroscope", Due date : 13.9.2021

\* International Centre for Genetic Engineering and Bio Technology Shall not be held responsible for delivery of quotation to the wrong address and for any postal delay or for loss in transit.   
\* Those who do not want to submit their offer against this enquiry must send their regret letter using email.   
\* A technical compliance sheet should be enclosed in the technical proposal, giving details requested, specification offered against that with remarks..   
\* The offer must have all accessories which are required to make the system complete.   
\* You can submit sealed quotation in Foreign Currency/INR. It must include:   
1. Net Price after discount

2.. Brand  
3. Grand Total.   
4. Delivery Time   
5. Validity Of the quotation   
6 Incoterms shall be FOR, ICGEB  or CIP, The Custom clearance shall be managed by ICGEB.   
  
\* List of users in India must be given along with main technical offer   
  
4. Completion of the Assignment   
  
The supplier needs to complete the delivery and submit the final report within the timelines. Any deviation in the timelines without prior concern of ICGEB is not accepted.   
  
5. Validity of Quotation   
Quotation shall remain valid for a period of minimum 90 days after the deadline date specified for submission.   
  
6. Award of Purchase Order   
\* The supplier will be selected based on the evaluation committee of “International Centre for Genetic Engineering and Bio Technology”..   
\* Notwithstanding the above, the International Centre for Genetic Engineering and Bio Technology reserves the right to accept or reject any quotation and to cancel the procurement process and reject all quotations at any time prior to the award of Contract.   
\* The supplier whose quotation is accepted will be notified of the award of Contract by the International Centre for Genetic Engineering and Bio Technology prior to expiration of the validity period. The terms of the accepted offer shall be incorporated in the Contract..   
  
7. Payment Terms   
**Our Payment terms are 100% after delivery and satisfactory installation within 30 days. ICGEB is exempt from custom duty. NO ADVANCE PAYMENT TERMS CONSIDERED.**  
  
8. Warranty/Guarantee Period   
FIVE YEARS WARRANTY shall be applicable to the supplier items (as applicable)   
If any of the items found defective in the supplied lot during the contract period the vendor will replace the same with the corrected one free of cost.   
  
We look forward to receive your sealed quotation complete along with technical proposal in envelopes complete in all respects within prescribed deadline and post it to below address and you are requested to inscribe “Digital Zoom Stereomicroscope", Due date: 13.9.2021

Address for sending sealed quotation:   
  
Procurement Manager   
International Centre for Genetic Engineering and Bio Technology   
ICGEB Campus, Aruna Asaf Ali Marg,   
New Delhi – 110067, India   
Phone: 91-11-26741358 / 26741361 / 26742360 (Extn.-318)   
Fax: 91-11-26741166 / 26742316   
  
You can contact Mr. Varun Gugnani on Mobile Number [9810893435](callto:9810893435) for any query.   
  
  
Yours faithfully,   
  
  
Regards,  
  
Ruhi Kumaria

EQUIPMENT & SAFETY

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International Centre for Genetic Engineering and Biotechnology   
Aruna Asaf Ali Marg   
New Delhi - 110 067