



Notice Inviting E-Tender

E-Tender No. ADM:STR:3165: MOF-12: Met Microscope:2023-24

Date : 05 /09/2023

C.I.R.T., Bhosari, Pune invites E-Tender in Two Bid Systems (Technical and Financial) from Original Equipment Manufacturers (OEMs) / Authorised Distributors for supply, installation and commissioning of **Upright Metallurgical Microscope** at C.I.R.T., Bhosari, Pune.

Sr. No	Description	EMD	Last Date for Online Submission	Technical Bid Opening
01	Supply, installation and commissioning of Upright Metallurgical Microscope	INR 90,000/-	18/09/2023 Time- 17.30	20/09/2023 Time-11.00

Interested Test Equipment Manufacturers/ Authorised Distributors of Test Equipment Manufacturers, with valid authorisation letter of Test equipment Manufacturer may view and download detailed tender documents from

C.I.R.T.'s e-Tender portal.

www.cirtindia.com/tendernotice.html or <https://tenderwizard.com/CIRT>

All Bids must be submitted through the Online portal.

Salient information about the E-Tender :

- 1] **Who can participate in this e-Tender:** The bidders who have registered with C.I.R.T.'s e-Tender portal can only participate in this tender process.
- 2] **How to Register:**
 - a) The prospective bidders have to register with CIRT by paying **Annual Registration Charge of Rs. 2,000/- (+) G.S.T.** (as applicable) to e-tender service provider through E-Tender portal of CIRT by online payment. On completion of the registration process, the bidders will be provided user ID and Password. After receipt of User ID and Password, Bidders can log on at our e-Tender portal for downloading & uploading tender documents.
 - b) **Tender Processing Fee (Non-Refundable) with G.S.T.** (as applicable) is payable online on the portal of CIRT e-tendering website for applying the tender online.

Note: Banking Transactions charges are applicable for online payment

- 3] **Device requirement for participation in e-Tender :** Bidder should have valid Class III Digital Signature Certificate (DSC) device for participating in e-Tender. For integrity of data, its authenticity /non-repudiation of electronic records shall be in compliance with IT Act 2000 as amended from time to time. It is necessary for each user to have a Digital Certificate (DC), also referred to as Digital Signature Certificate (DSC) of Class III issued by a Licensed Certifying Authority (CA). The contact details for e-Tendering are furnished below :-

Details of the Service Provider:

Contact Persons Mr. Sanjay Chandak	Telephone / Email Mobile: 9665721619 Email: sanjay.kc@etenderwizard.com	For vendor Registration / DSC/Any other issue regarding e- Tender Process,
Mr. Arijeet Kumar	Contact No : 8800445981 Email: arijeet@etenderwizard.com	
Helpdesk :	Contact No : 01149424365	

Note: Above contact details are only related to technical queries pertaining to submission / upload of E-Tender, for any other queries please email to stores@cirtindia.com or contact Stores officer on 020 – 67345300.

4] **Availability of Tender Documents:** All bid documents (Technical and Commercial) are available ONLINE at CIRT's e-Tender portal. The registered bidders can download the Bid from these websites. If tender form fee of Rs. 2000/- plus GST is not received along with physical technical bid submission, the bid will be disqualified.

5] **Mode of Submission:** The Tender Document should be submitted in two parts:

PART-A TECHNICAL BID – Technical Bid shall be submitted **online** (all documents to be signed and scanned) and a hard copy of the same along with Tender form Fee and EMD vide DDs drawn in favour of Director, CIRT and payable at Pune, in the envelope superscribed as Technical Bid for “Supply, installation and commissioning of **“Upright Metallurgical Microscope”** to be submitted by the bidder.

Note : 1. Bidder should clearly mention the Tender no. and Title of the tender which is submitted.

2. Technical bid must be compulsorily submitted both online and hard copy within stipulated date and time, failing which the bid would stand disqualified.

Part –B COMMERCIAL BID – Commercial Bid to be submitted **online only**. Commercial bid sent through hard copy will not be accepted and shall be disqualified. **The bidder should submit the Commercial Bid online only in the attached Excel Format as detailed at chapter 5.**

While uploading / submitting the documents, it should be ensured that the correct tender no. and tender title is mentioned.

6] All pages of Tender documents and Addenda / Corrigenda (if any) must be signed with proper official stamp and date by the authorized signatory of the Bidder / or authorized power of Attorney holder (relevant authorization document to be enclosed) at the lower right-hand corner.

7] Bidders are advised to visit CIRT's e-Tender portal regularly for any Addenda / Corrigenda.

CENTRAL INSTITUTE OF ROAD TRANSPORT
Post Box No.1897, Bhosari, PUNE – 411 026 (INDIA)
Tel. (91) 20 67345300 (30 Channels) Fax : (91) 20 67345403
Website : www.cirtindia.com
TENDER DOCUMENT SUBMISSION – A BRIEF

Sr. No.	Particulars	Details
1.	Tender Reference No.	ADM:STR:3165: MOF-12: Met Microscope:2023-24
2.	Tender Title	Supply, installation and commissioning of Upright Metallurgical Microscope
3.	Tender Issuing Authority	Central Institute of Road Transport, Pune
4.	Equipment Installation Location	Central Institute of Road Transport, Pune
5.	Tender Form Fee	Rs.2000/- (Rupees Two thousand only) Plus GST to be paid through Demand Draft in favour of "Director CIRT" *Firms having MSME registration are exempted from payment of tender form fee.
6.	Earnest Money Deposit	Rs. 90,000 (Rupees ninety thousand only) through Demand Draft in favour of "DIRECTOR CIRT" *Firms having MSME registration are exempted from payment of Earnest Money Deposit.
7.	Submission of Pre-bid queries (For Pre-Bid Query Format Refer Annexure A)	<ul style="list-style-type: none"> • On or before 11/09/2023 Time-17.00 by email • Email to be sent to stores@cirtindia.com
8.	Pre-bid meeting Date, Time and Mode	On 12/09/2023 Time-14.30 in Online & Offline mode
9.	Pre-bid meeting Venue	Central Institute of Road Transport Conference Hall Pune Nasik Road, Pune 411 026 For online Link will be sent upon receipt of request to stores@cirtindia.com The request should be received on or before 11/09/2023 Time-17.00
10.	Last Date of submission of online bids Technical & Financial	18/09/2023 at 17.30 hrs
11.	Physical Submission of only Technical Bid	18/09/2023 by 17.30 hrs
12.	Technical Bid Opening	20/09/2023 at 11.00 hrs @ CIRT, Pune
13.	Commercial Bid Opening	Date will be finalized on conclusion of technical bid evaluation.
14.	Address for Communication and Submission of Technical bids	DIRECTOR Central Institute of Road Transport Post Box. 1897, Pune Nasik Road, Pune 411026. Tel: 020-67345300
15.	Download Request for Proposal & Upload e-tender	A copy of the tender document should be downloaded from www.cirtindia.com/tenderNotice.html or https://tenderwizard.com/CIRT

Note: * MSME registered firm shall submit copy of MSME UDYAM registration certificate

The Director, C.I.R.T. Bhosari, Pune 411 026 reserves the absolute right to accept / reject any or all bids at any stage of the tender process without assigning any reason whatsoever.

Check List for Documents to be enclosed (bidder is requested to fill the relevant details):-

(please ✓ in appropriate column)

1	Payment of Tender form fee [Non-refundable] [DD No._____ dt. _____ Bank _____for Rs.2000/- plus GST]	
2	Demand Draft favouring Director, CIRT for EMD (Refundable) (DD No._____ dt._____ Bank _____ for Rs.-----/-]	
3	Compliance Statement of Terms & Conditions (As per below Table - 1)	
4	List of Clientele (As per below Table - 2)	
5	Prebid Queries format – Annexure A	
6	Financial Details of the Bidder – Annexure B	
7	Bidder Information Sheet - Annexure C	
8	Anti- Blacklisting Certificate- Annexure D	
9	Details for Pre-requisite Infrastructure Requirements for Supply, installation and commissioning of Upright Metallurgical Microscope - Annexure ‘E’	
10	Technical Compliance Sheet - Annexure ‘G’	
11	Undertaking from the test equipment manufacturer in case of bidder is test equipment manufacturer - Annexure ‘H’	
12	Undertaking from the test equipment manufacturer in case of bid is submitted by authorised distributor - Annexure ‘I’	
13	Self Certification under preference to Make in India Order Certificate- Annexure ‘J’	
14	Self-Certification to be submitted by Non-local suppliers- Annexure ‘J1’	
14	Format for submission of letter from purchaser of Upright Metallurgical Microscope - Annexure ‘K’	

Table 1**COMPLIANCE STATEMENT OF TERMS & CONDITIONS**

(Please read the Terms & Conditions of Tender at Chapters 1-5)

I hereby accept all the terms & conditions of the tender including following: -

Clause	Chapter No./point no.
Pricing, Schedule of Payment Terms and Taxes & Duties	3 (1-3)
Warranty A) Minimum 1 years (comprehensive) B) Free Replacement on Door Delivery basis. C) Performance Bank Guarantee D) Extension of Warranty	2 (5) 2 (5-a) 2 (4) 2 (6)
Delivery A) Door Delivery B] Penalty on delayed delivery	2 (2-A) 2 (2-B)
Pre-despatch Inspection	2 (1)
Installation, Commissioning of Test Equipment and Training	2 (3)
Technical & Commercial compliances:	
Technical Specification: Compliance to the Technical Specification/details	4 (1-3) & Annexure 'F & G'
Calibration: Calibration certificate(s) issued by NABL Accredited calibration labs traceable to national/ international standards with necessary documentation.	4 (1-3)
Annual Maintenance Contract (AMC): Compliance to the AMC as per the tender condition.	2 (7 b)
Spare Parts: Bidder should declare the spare parts supply in addition to machine for maintenance or breakdown under warranty and successful bidder should give undertaking that with supply of machine will supply the declared spares too.	2 (5 a-d)
Performance Bank Guarantee: Compliance to the performance bank guarantee as per the tender condition.	2 (4) 2 (7-g) 3 (2-c)

<p>Customer Service Support after Warranty Period:</p> <p>Compliance to the customer service support after warranty period as per the tender condition.</p>	<p>2 (7)</p>
<p>Authorized distributor for Technical Services:</p> <p>If bid is submitted by an authorized distributor then distributor shall be associated with Original Equipment manufacturer for minimum last 7 years and have expertise of installation, commissioning, maintenance & repair in most effective manner. Accordingly, the relevant documents of the OEM for authorisation shall be submitted with tender.</p> <p>In case the authorised distributor fails, it is the responsibility of the OEM to fulfil the commitments as per undertaking Annexure T.</p>	<p>2 (10)</p>

In the event of any dispute, the legal matter shall be subjected to the jurisdiction of Pune Court only. We confirm with our acceptance to the instructions as given.

Name & Signature of Authorised Signatory

Table 2

CLIENT LIST

Tenderer must provide existing client list. A list of such clients shall be furnished in the following format.

Sr. No.	Name of Company, Postal Address	Name of Contact Person; contact no., email id	*Purchase Order / Work Order Details (completed projects)	Date of Installation	Feedback from Clients on their letterhead
1					
2					
3					
4					

*Copy of Purchase order/work order/ Feedback letter from client/s must be scanned and uploaded (for minimum three clients)

Name & Signature of Authorised Signatory
(with Company stamp)

INDEX

Chapter No.	Details	Page no/s.
1.	Instructions to Bidders	8
1.1	Earnest Money Deposit (EMD)	9
1.2	Tender Form Fee	9
1.3	Eligibility criteria of Bidder	9-11
1.4	Terms and conditions for Submission of Tender document	12
1.5	Pre-Bid Meeting	13
1.6	CIRT's right to accept and reject Bid	13
2.	Conditions of the Tender	14
2.1	Pre-dispatch Inspection	14
2.2	Delivery	14
2.3	Installation & Commissioning	15
2.4	Performance Bank Guarantee	15
2.5	Warranty	15-17
2.6	Extension of Warranty	17
2.7	Customer Service Support after Warranty period	17-18
2.8	Training of CIRT personnel & officials	19
2.9	Recovery of Damages	19
2.10	Authorised distributor for technical services	19
2.11	Arbitration, Legal formalities	20
2.12	Force Majeure Clause	20
3.	Schedule of Requirement	21
3.1	Pricing	21
3.2	Payment schedule	21
3.3	Taxes	22
4.	Specification & Allied Technical details	23
4.1	Specification	23
5.	Price schedule for Bidders to quote price	24
5.1	Commercial Bid – screenshot	24-26
6.	Annexures A-E	27-31
7.	Annexure F (Technical specification)	32-37
8.	Annexure G (Technical Compliance sheet)	38-44
9.	Annexure H (Undertaking from Test Equipment Manufacturer)	45
10.	Annexure I (Undertaking from Distributor of Test Equipment Manufacturer)	46
11.	Annexure J (Self Certification under preference to Make in India Order Certificate)	47
12.	Self-Certification to be submitted by Non-local suppliers- Annexure 'J1'	48
13.	Annexure K (Format for submission of letter from purchaser of Upright Metallurgical Microscope)	49

Chapter 1 Instruction to Bidders

1. Earnest Money Deposit (EMD) / Bid Security:

Earnest Money Deposit [EMD] will have to be paid along with the tender by a Crossed Demand Draft drawn on any Nationalised /Scheduled Bank in favor of the **Director, CIRT**, and payable at Pune. The details of the same should be submitted in the envelope containing Technical Bid. **Tender without Earnest Money Deposit will be rejected.** Submission of Bank Guarantee, in lieu of EMD draft **will not** be accepted.

Bidder shall submit the EMD of an amount **INR 90,000/- (In words Rs. Ninety thousand only)** along with Technical Bid before the due date & time of closing of the bidding process.

In case of foreign manufacturers, EMD to be in Indian Rupees (INR) only. The CIRT shall not be liable for payment of any interest on EMD.

Firms having MSME registration are exempted from payment of Earnest Money Deposit. MSME registered firm shall submit copy of MSME UDYAM registration certificate.

A. Refund of EMD to unsuccessful Tenderers: EMD will be refunded by cheque /DD/NEFT to the unsuccessful tenderer, after decision on the acceptance of the successful tenderer is taken or within 6 months from the date of opening of tender, whichever is earlier. Transaction will be done in INR for refund of EMD to foreign bidders.

B. Earnest Money Deposit of successful tenderer:

EMD will be refunded by cheque/DD/NEFT to the successful tenderer only on satisfactory execution of Purchase Order (PO) and submission of **Performance Bank Guarantee**. If the successful tenderer refuses to accept the PO with terms and conditions of tenders and/or as mutually agreed terms, EMD will be forfeited and no further correspondence will be entertained in the matter. In cases, where the successful tenderer does not convey a written acceptance of order within 15 days of date of issue of purchase order, the purchase order will be cancelled and EMD will be forfeited.

C. Validity of offer: The offer should be kept valid for a minimum period of **6 months** from date of opening of the tender. In the case of successful tenderer, the approved prices shall remain valid till Purchase Order is fully executed. The bidder shall not withdraw or modify their Bids during the period of validity.

2. Tender Form Fee

A complete set of tender documents may be downloaded by interested eligible tenderer.

For MSME registered Firms are exempted from tender form fee. MSME registered firm shall submit copy of MSME UDYAM registration certificate.

The tender form fee and EMD to be paid by two separate Demand Drafts and kept in two sealed envelopes. For physical submission, the two envelopes along with Technical document should be kept in one envelope superscribed "Tender for supply, installation & Commissioning of **Upright Metallurgical Microscope** -Technical bid" so as to reach CIRT, Pune by **18/09/2023 upto 17.30** of bid submission. Late tenders shall not be accepted, under any circumstances. The technical bid shall be opened as per schedule at CIRT Office, Pune in the presence of bidders who may like to be present.

3. Eligibility criteria of bidder

Sr. No.	TECHNICAL ELIGIBILITY CRITERIA	SUPPORTING DOCUMENTS TO BE SUBMITTED BY BIDDER
1	Bidder must be registered as per the relevant Act (e.g. Companies Act or Partnership Act or any other relevant Act) in India or as per the country of registration.	Copy of Certificate of Incorporation (Copy of registration certificate under Company Act) or (Copy of registration, under Partnership Act) or equivalent document, as applicable, issued by a Competent Government Authority to be submitted by bidder.
2	Bidder must be class I or class II local supplier Or Non-Local supplier as per order no. P45021/2/2017-PP (BE II) dated 16.9.2020 and P-45021/102/2019-BE-II Part(1) (E-50310) dated 04.03.2021 of MoCI, GOI and latest amendments, if any.	Declaration is to be submitted by Class I and Class II suppliers in Technical bid as per the Annexure J and Non-Local Suppliers shall submit declaration as per Annexure J1 of this tender.
3	Bidder must be Original Test Equipment manufacturer (OEM) / Authorized Distributors of Test Equipment Manufacturers, with	Copy of the audited annual accounts of the Original Test Equipment manufacturer (OEM) & Authorized Distributors for each of the three financial years (FY 2017-18, FY 2018-19 and FY

	valid authorization letter of Test equipment Manufacturer with Average annual turnover of the Metallurgical Microscope Manufacturer in the 3 (three) financial years (FY 2017-18, FY 2018-19 and FY 2019-20) shall be at-least Indian Rupees Ten crore and Average annual turnover of the Authorized Distributors in the 3 (three) financial years (FY 2017-18, FY 2018-19 and FY 2019-20) shall be at-least Indian Rupees One crore .	2019-20) and a certificate (on the letter head) of the Statutory Auditor of the Original Test Equipment manufacturer (OEM) / Authorized Distributors duly signed & stamped and clearly mentioning the turnover details of each year in the three financial years (FY 2017-18, FY 2018-19 and FY 2019-20) Details to be submitted as per Annexure B												
4	Bidder / principal (In case the bid is submitted by authorized distributor) should have minimum Seven years of experience of manufacturing of Upright Metallurgical Microscope as per the technical specification given at Annexure 'F' and bidder should have sold at least Seven Metallurgical Microscope equipment's in last Seven years to the reputed organization.	The bidder shall submit following information, along with documentary evidence such as Copy of contract and/or work order or purchase order and copy of delivery challan and invoice for the sold equipment. Details to be submitted as per Table 2 (page 6) and Annexure C												
5	<p>1. Bidder shall submit the list of clients to whom they have sold the Upright Metallurgical Microscope in last 7 years.</p> <p>2. The bidder shall submit the letter from at least three such purchaser who have purchased the Upright Metallurgical Microscope during last 3 years on the letter head of purchaser about the present satisfactory operation of the sold Upright Metallurgical Microscope.</p>	<p>1. List of clients to whom bidder have sold the Upright Metallurgical Microscope in last 7 years in following format:</p> <table border="1" data-bbox="794 1272 1460 1503"> <thead> <tr> <th>Sr. No</th> <th>Name & address of the purchaser</th> <th>Name of the contact person</th> <th>Email ID of purchaser</th> <th>Contact number/ Mobile number of purchaser</th> <th>Presently the machine is operating satisfactory please mention (Yes/ NO)</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> <p>2. The Letters from three purchasers during last 3 years on the letterhead of the purchaser about satisfactory operation of Upright Metallurgical Microscope presently as per Annexure K.</p>	Sr. No	Name & address of the purchaser	Name of the contact person	Email ID of purchaser	Contact number/ Mobile number of purchaser	Presently the machine is operating satisfactory please mention (Yes/ NO)						
Sr. No	Name & address of the purchaser	Name of the contact person	Email ID of purchaser	Contact number/ Mobile number of purchaser	Presently the machine is operating satisfactory please mention (Yes/ NO)									
6	Bidder should have GST registration and valid PAN documents	Valid GST registration Certificate, PAN documents shall be submitted.												
7	Bidder must not have been blacklisted/ terminated for fraudulent practices or for non-fulfilment of contract by any of its clients including Indian government / State Government departments / Ministries /	Self-certification undertaking signed by the Authorized Signatory of the bidder on the Bidder's letter head. Details to be submitted as per Annexure D . In Case the tender is submitted by authorized Distributor, Self-certification undertaking is to be submitted by both the Original equipment												

	Government Undertakings or Corporations/ Government Bodies / Autonomous bodies / VMs and Public Sector Undertakings in India or abroad, as on the date of submission of Bid.	manufacturer and the authorized distributor.
--	--	--

Note:

1. It is mandatory to submit the specified documents in support of the above Technical Eligibility Criteria and the Bidder shall be disqualified, if the bidder fails to provide any of the above specified documents.
2. Bidders should necessarily give the details in the formats given in Annexure/forms of this tender. All the details should be given in the prescribed format only and in accordance to the terms and conditions as mentioned in this tender.
3. Bid should be comprehensive and must consider the Scope of Work to be completed.
4. CIRT at its sole discretion may seek clarifications from any Bidder on the Technical Eligibility Criteria and any information submitted in his Bid.
5. Any Bidder submitting any information regarding price/financial quote in his Technical Bid shall be disqualified from the Bidding Process.
6. For authorised distributor of Manufacturers pertaining to countries, sharing land border with India, the manufacturer should have registration certificate of appropriate competent authority of Government of India, as per the applicable statutory Government of India Rules. The copy of valid certificate shall be submitted along with tender.
7. Bidders should submit supporting documents like Installation and commissioning report, copies of PO of purchasers during last 7 years and all other documents listed above with technical bid. This will be verified before evaluating technical specifications. In case bidder does not meet the criteria or CIRT come across any information about negative feedback from their purchasers then the bid will be not considered for further evaluation and shall be rejected.
8. CIRT will visit the units of earlier purchasers of Upright Metallurgical Microscope to whom the bidder has supplied the same for inspection and feedback. Any shortcomings observed for the operations of Upright Metallurgical Microscope, in such inspection will render the technical bid of bidder liable for the rejection. The cost of travel for such inspection will be on CIRT's account.
9. Bidder will have to give technical presentation of their quoted equipment during technical evaluation of bid. CIRT shall communicate the date of presentation. Cost of travel for Technical presentation at CIRT for bidder representative will be on bidders account.

4. Terms and conditions for Submission of Tender document

- a) **Bidders should submit their Technical Bid physically and online on the e-tender portal. Commercial Bid should be submitted only online on e-tender portal as per tender schedule.** Bidders are also requested to submit their Tender form fee and EMD vide Demand Draft in two separately sealed envelopes superscribed as “**Tender No: ADM:STR:3165: MOF-12: Met Microscope:2023-24**” and “Tender title - Supply, installation and commissioning of **Upright Metallurgical Microscope** and each one appropriately identified as “Tender Form Fee”, “EMD” as applicable.
- b) These two sealed envelopes along with the Technical documents are to be put in one larger envelope and sealed. This envelope is to be marked as Title: TECHNICAL BID for Supply, Installation and Commissioning **Upright Metallurgical Microscope**, Tender form fee, and EMD for **Tender No. ADM:STR:3165: MOF-12: Met Microscope:2023-24**.
- c) The Tender document shall be addressed to “The Director, Central Institute of Road Transport, Pune” and submitted to the Head-ASD, Administration Division, CIRT by post or courier on or before due date and time.
- d) The bids of applicants who physically submit their Commercial bid along with the physical technical bid shall be rejected.
- e) CIRT, Pune may, at its discretion, may extend the deadline for the submission of bids by amending the Tender Documents, in which case all rights and obligations of CIRT, Pune and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended. The prospective Bidders are advised to remain in touch with CIRT website for any update in respect of their tender.
- f) All pages of original bid and all copies of the bid shall be signed by a person duly authorized to sign on behalf of the Bidder. The written confirmation of authorization (in form of letter on the Bidder’s letter head) to sign on behalf of the Bidder confirming the signature as a person duly authorized to sign should be attached with the technical bid of the tender.

Opening of Tender: Only Technical Bids will be opened on the stipulated opening date/time in physical presence of tenderers or their representatives whosoever may like to be present. Commercial bids of those who are technically qualified after scrutiny of technical suitability/acceptance of the technical bid will be opened at a later date. The communication in this regard will be sent to the technically qualified bidders by CIRT.

The L1 bidder shall be selected on the basis of final cost of equipment, accessories, including all taxes excluding AMC charges.

Rejection of tender due to late submission: Late / delayed and incomplete tender will be rejected. CIRT shall not be responsible for any delays in transit or otherwise due to postal and/or any other reason.

5. Pre Bid Meeting:

Tenderers are requested to send their queries, if any, on tender documents to CIRT by post or by email at id: stores@cirtindia.com. The time schedule for receipt of queries and date and time of pre-bidding will be as instructed at **Tender Document submission – a brief, page no. 3**. If a bidder does not participate or submit any query, then no subsequent representations from them regarding the Technical specifications and term and conditions shall be entertained. CIRT, if required, shall issue Addendum / Corrigendum to Tender documents which, if issued, will be considered as part of Tender documents. Bidders will have to take cognizance of these Addendum / Corrigendum issued and submit Addendum / Corrigendum duly signed by Authorised Signatory of Bidder and stamped with Company Seal along with original Tender document. In case Bidder fails to do so, his tender will be outrightly rejected. If required, Bidders will be requested to give a technical presentation to CIRT after the Technical Bid opening.

6. CIRT's Right to Accept Any Bid and to Reject Any or All Bids:

1. The Director, C.I.R.T. reserves the right to reject any or all the tenders or partially accept or reject any or all the tenders without assigning any reasons.
2. The Director, CIRT reserves the right to reject any or all tenders in case the tenderers have put in their own terms & conditions.
3. The Director, CIRT reserves the right to accept or reject any bid, and to cancel the bidding process and reject all bids at any time prior to placing purchase order/ contract award, without thereby incurring any liability to Bidders.
4. In case of any dispute, on any account related to the said tender & or any activity related thereto, the Director, CIRT's decision will be final and binding on the tenderers.
5. In case of cancellation of tender, EMD submitted by tenderers shall be returned to the Bidders.

Chapter 2 Conditions of the Tender

1. Pre dispatch Inspection

Pre-Dispatch Inspection of the equipment shall be carried out by CIRT personnel at Bidders premises and the expenditure towards the same shall be borne by the OEM.

2. Delivery

(A) Equipment/ Test Rigs shall be supplied to CIRT within a period of **120 days** from the date of acceptance of P. O. The test equipment and its allied systems, sub-systems, computers, software's, other accessories as applicable shall be delivered to **CIRT on DOOR DELIVERY** basis at F.O.B. prices, without any additional cost to CIRT. All Incidental Charges shall be borne by successful bidder.

For Foreign Vendor – The rates shall be quoted for door delivery basis at CIRT, Pune with transit Insurance covering all type of risks during transit from vendor's works to final Destination i.e. CIRT premises at Pune-411026 (India) **Custom duty shall be borne by CIRT.**

The Bidder shall provide suitable packing of the machine/ equipment, as is required to prevent their damage without limitation, rough handling during transit. In case the consignment is received with damaged packaging, the CIRT, Pune would not accept the delivery.

The machine shall be secured and protected from mechanical damage, moisture etc., suitable for both storage and transit according to the nature of the material and mode of transport. The Bidder shall be responsible for any loss/ damage during transportation to the designated location

(B) Penalty for delayed delivery: A penalty @ **1.0 %** of the total cost of the test equipment will be charged to the OEM/successful bidder **per week or part thereof** of delayed delivery subject to maximum Thirty (30) days after expiry of scheduled delivery date. After that the Purchase Order shall be cancelled and EMD will be forfeited. Bank guarantee obtained for advance payment made to bidder will be encashed. Bidder will be debarred from participation in any future tenders.

3. Installation & Commissioning of the equipment at CIRT site shall be carried out by the successful bidder on FREE OF COST basis, within a maximum period of 30 days from the date of arrival of the consignment at CIRT. Beyond 30 days, **penalty for delayed installation and commissioning @ 1%** of the total cost of the equipment will be charged to the OEM/successful bidder **per week or part thereof** subject to a maximum 10% of cost of the equipment and subject to maximum period of 45 days, failing which EMD will be forfeited.

(A) Successful bidder shall be responsible for the safe installation/commissioning of the equipment. Calibration Certificate (s) from NABL accredited agencies valid for at least one year, traceable to national / international standard with necessary documentation shall be provided for the test equipment.

(B) The Bidder shall not arrange part shipments and/or trans-shipments without the permission of CIRT, Pune. The insurance cover including insuring the goods against the loss or damage incidental to manufacture or acquisition, transportation, storage and delivery/installation & commissioning shall be obtained by the Bidder in his own name and not in the name of CIRT, Pune.

4. Performance Bank Guarantee valid for 1½ years to ensure the fulfillment of warranty obligation shall be provided for 10 % Value of the total cost of equipment (10 % CIF Cost in the case of foreign vendors) (A specimen format of Bank Guarantee will be provided along with the Purchase Order).

We shall accept a Bank Guarantee of a foreign bank having a branch in India.

The Bank Guarantee to be in Indian Rupees only.

In case of non-performance and violation of terms and conditions by the supplier the performance bank guarantee will be revoked.

5. Warranty: The offered equipment/ item/material/spares/ computers/software/ utilities shall strictly conform to the specifications & must be guaranteed for satisfactory performance & against manufacturing and other defects at least for a minimum period of **1 year** (Comprehensive) including preventive and breakdown maintenance from the date of commissioning of test equipment/ item /material / spares /computers/software at CIRT. During the warranty period the successful bidder shall carry out the maintenance of the equipment free of cost.

- (a) Free replacement of defective spares/rectification of any defective components of the item during warranty period should be arranged **ON FREE OF COST on DOOR DELIVERY BASIS** and installation thereof. All expenditure for door delivery such as freight, insurance, taxes, any other duties, customs duty & clearance charges (in the cases of imported items) towards replacement shall be borne by the successful bidder.
- (b) Service call charges including all incidental charges, will not be applicable for the services provided by bidder during the warranty period (One years).
- (c) Bidder shall have to make arrangement for the collection of defective spares. CIRT will not bear any expenditure for returning the defective spares. Defective spares or parts of equipment rejected on inspection or during warranty period shall be replaced within a week.
- (d) CIRT will not be responsible for the safe custody of such stores beyond 60 days for any loss/damage to the rejected stores. CIRT also reserves the right to dispose such defective spares.
- (e) Penalty for delayed delivery of spares beyond 45 days from date of communication from CIRT during warranty period will be @ 1% of the total cost of the spare parts to be replaced which will be charged to the successful bidder per week or part thereof subject to a maximum 10% of cost of the spares to be replaced.
- (f) If the spare parts are not replaced within 45 days of communication from CIRT. CIRT reserves the right to impose penalty appropriately.
- (g) During the warranty period, service personnel shall be deputed at site by the Bidder within three working days from the date of request from CIRT, Pune to rectify and fixing the defects of machine at the location where machine(s) are supplied. The cost of deputation of service personnel and any other associated expenditure shall be borne by the Bidder.

(h) The Bidder to supply three (03) sets of the following manuals in hard copy and soft copy along with supplied machine(s):

- i. Installation Manual
- ii. Operation Manual
- iii. Maintenance and Trouble Shooting Manual

Note: All manuals shall be latest and duly signed/stamped by the bidder.

6. Extension of Warranty: During warranty period the service personnel shall attend the service calls and replace / repair the equipment. If the equipment is not put into operation within a week in case of minor breakdown and a month in case of major break down then warranty period will be extended by number of days equivalent to five times the delayed days beyond the specified period of 01 years.

7. Customer Service Support (after Warranty period)

a) Customer Service Support shall be provided for minimum period of 10 years including minimum warranty period of 1 years from date of installation and commissioning of equipment. In case bidder is test equipment manufacturer, the undertaking from equipment manufacturer shall be submitted as per Annexure H and in case, bid is submitted by authorized distributor of test equipment manufacturer then test equipment manufacturer shall submit the undertaking as per Annexure I.

b) Annual Maintenance Contract: It is the mutual decision of CIRT and successful bidder to enter into Annual Maintenance Contract (AMC) for after-sales service after warranty period. Bidders should give the Annual Maintenance Contract charges for **9 years** after warranty period of **01 years**.

Manufacturer shall quote the comprehensive annual maintenance cost separately, after lapse of warranty period of One (1) year for next **Nine (9) years**, year-wise considering the utilization of machine in 10 years as a normal use.

Annual Maintenance Contract can be terminated at any time and it will be at the discretion of CIRT, Pune.

The quoted AMC charges shall not be considered for financial evaluation for selection of L1 bidder. Selection of L1 bidder will be on the basis of final cost of equipment and accessories quoted including taxes.

- c) Service Call attendance** - The successful bidder's service personnel shall attend the service calls and replace/ repair the equipment within 48 hours, If no spares are required to be imported. If import of spares is required, the vendors shall supply such spares, if required and asked for by CIRT, within the delivery period quoted there on.
- d) Spares Back up** – Tenderer should give guarantee for the supply of spares for the **next 9 years** after warranty period. All the spares used in the equipment shall be easily available and replaceable. Manufacturer / Bidder shall provide the list of spares.
- e) Cost of Spares replaced**– In Case CIRT do not enter into a comprehensive AMC contract the cost of spares replaced, after minimum warranty period of One year, shall be billed to CIRT as per the price list provided along with the dispatch documents of the equipment at time of acceptance of Purchase Order. Reduction in prices of items, if any, shall be immediately communicated to CIRT and same shall be made applicable to the spares replaced after minimum period of One year of warranty.
- f) Penalty for delayed delivery** for such replacement items shall be as stated at 2 (B) above.
- g) Customer Service Support Bank Guarantee after Warranty Period** - Customer Service Support Bank Guarantee for 3% of the CIF Value of the test equipment shall be provided by the Bidder two months before the expiry of Performance Bank Guarantee issued towards initial warranty period of One (1) year to ensure the fulfillment of Customer Service Support for a further period of Nine (9) years.
However, if the bank guarantee is for shorter period than the period of 9 years, the same shall be renewed further for every such period, 2 months before expiry of existing bank guarantee to roll it over for up to a period of Nine years.

(A specimen format of the Bank guarantee will be provided along with the Purchase Order.)

8. Training of CIRT personnel and officials

OEM/Successful Bidder shall provide free training to CIRT Personnel after successful installation and commissioning.

Training to the CIRT officials shall be given for Five (5) working days wherein the training shall be about operations, instructions, maintenance as well as trouble shooting & all other areas which are necessary for smooth functioning of Machine. Training shall be provided to at least two persons designated by CIRT, Pune. Training for the CIRT personnel shall be free of cost.

9. Recovery of damages

a) The Director, C.I.R.T. reserves the right to recover the amount of loss incurred to C.I.R.T., if any due to non-execution of order / non-supply of test equipment, damaged / short supply/ wrong supply/ delayed delivery in any part or full of the equipment, from the dues of the tenderer.

b) Recovery of Estimated damages or Shortfall:

- (i) Supplier should abide by and be responsible for the test equipment supplied to CIRT, and if test equipment/part/computer/software of the test equipment is not found or damaged or deficient, without prejudice or shortfall as per the technical specifications or shortfall with accessories may lead to rejection of test equipment by CIRT.
- (ii) The supplier shall abide for any recovery against shortfall in the supplies.

10. Authorized distributor for Technical Services:

If bidder has an authorized distributor / distributor for technical services, then same shall be declared while furnishing the Technical Bid. Such distributor shall be associated with Bidder for minimum **Seven years** and have expertise of installation, maintenance & repair in most effective manner. However, overall responsibility of providing technical service lies with the bidder/supplier/OEM. Authorization Certificate from the manufacturer for the dealership / distributorship / stockist status should be attached with the tender.

11. Pending Litigation cases if any, with CIRT in the court of law against any of the prospective bidder, will render particular bidder/Joint Ventures of the particular bidder to be disqualified for participation in Tender.

12. Arbitration, Legal formalities Arbitration:

Any dispute arising during the contract period of three years and the procedure pertaining to administration or financial or technical issues shall be referred to the Technical Advisory Committee headed by the Director, CIRT to resolve the issues. The decision of Director, CIRT will be final in this regard.

In case of dispute between both the parties, same will be referred to the Sole Arbitrator for the Arbitration Proceeding as per Arbitration and Conciliation Act, 1996 as amended by Arbitration and Conciliation (Amendment) Act, 2015. The Arbitrator will be appointed by CIRT or with consent of both parties. The venue of the arbitration proceeding will be at Pune and the cost of arbitration proceeding will be borne by each of the party as to 50%. The language of the Arbitration Proceeding will be in English. The District Court at Pune will have the administrative jurisdiction for the Civil and Arbitration Proceeding.

In case of non-settlement of disputes through arbitration, the appropriate Indian Laws will prevail.

Force Majeure Clause:

The services of both parties are subject to FORCE MAJEURE condition. While every effort will be made to carry out the obligation of the contract, the successful bidder / CIRT will not be liable for non-performance either in whole or in part of the contract for any delay in performance thereof in consequences of the Force Majeure Event such as Acts of GOD, Floods, War, Pandemic situation (if declared by Central / State Government) or any other cause beyond control. The decision of Director CIRT will be final in this regard.

Chapter 3 Schedule of Requirements

1. Pricing:

a) For Bidders in India

Price quoted shall be on the basis of “**Door Delivery**” at **CIRT Bhosari, Pune-411026 F.O.R.** destination. All incidental charges such as packing, forwarding, freight and transit insurance charges shall be borne by successful bidder.

b) For foreign bidders

Price quoted shall be on the basis of “Door Delivery” at CIRT Bhosari, Pune-411026 F.O.R. destination with transit insurance coverage upto final destination (CIRT Bhosari, PUNE 411026, premises)

c) Price & Payment

- i) Price shall be quoted in INR only. If there is a discrepancy between words and figures, the amount in words shall prevail.
- ii) If the bidder is from overseas countries, then Bidders are requested to quote in **Indian Rupees only**.

Note : Price should be quoted only in “Commercial Bid”

2. Schedule of Payment:

- a. 10% advance along with Purchase Order on submission of Bank Guarantee for equivalent amount, of validity of 12 months.
- b. 20 % against delivery and post preliminary inspection at CIRT, Pune.
- c. 70 % after successful installation, commissioning, training and satisfactory inspection report of the equipment and after receipt of the Performance Bank Guarantee valid for 1½ years to ensure the fulfilment of warranty obligation. (for 10 % Value of the total cost of equipment (10% CIF Cost in the case of foreign vendors).

3. Taxes & Duties:

- a. The rates of G.S.T. or any other taxes, if chargeable, shall be indicated separately or else it will be presumed that the quoted price is inclusive of taxes.

- b. Customs Duty: CIRT will avail Custom Duty Exemption, as applicable, under Government Notification No. 51/96-Customs dated 23.07.1996, No. 24/2007-Customs dated 01.03.2007; No.43/2017-Customs dated 30.6.2017 being Scientific and Industrial Research Organisations (SIRO) recognized R&D Institution. However, the tenderer should quote the application rate of Custom Duty, if any, in the appropriate column for information.

Chapter 4 Specification & Allied technical details

Specification:

1) Technical Specification: Testing equipment – supply, install and commissioning of **Upright Metallurgical Microscope** shall be in compliance to the Technical Specification as attached **Annexure - F**.

2) Complete specification of the Testing equipment's offered shall clearly be specified. Basic equipment shall be the equipment capable to perform required basic functions asked for. Brand name, Trade name, Model No., part No. Item description etc. shall be described clearly in the bid. Printed technical literature / catalogue stating all the technical parameters must be enclosed along with the bid, failing which the tender will be rejected. Rates shall be quoted separately for the basic equipment, add on/optional equipment's, Offers having confused technical specifications, terms and conditions and prices will be liable to be rejected.

3) Pre-requisite Infrastructure Requirements for Installation & Commissioning of the machine - Bidder shall submit the details of Pre-requisite /Civil/Electrical/Any other Infrastructure requirements for installation & commissioning of Upright Metallurgical Microscope as per the enclosed **Annexure – E**.

CENTRAL INSTITUTE OF ROAD TRANSPORT

Post Box No.1897, Bhosari, PUNE – 411 026 (INDIA)

Tel.: (020) 67345300 (30 Channels)

Fax : (020) 67345403

Website : www.cirtindia.com

TENDER DOCUMENTS

Part B – Commercial Bid

TENDER NO : ADM:STR:3165: MOF-12: Met Microscope:2023-24

ITEM Supply, installation and commissioning of
Upright Metallurgical Microscope

EMD As per Tender Document.

1. Commercial bid is to be submitted online only.
2. Hardcopy not to be submitted.
3. Please enter the values in yellow cell only.

Price Schedule - 1



Central Institute of Road Transport



NIT No. ADM:STR:3165: MOF-12: Met Microscope:2023-24

Name of Work: Supply, installation and commissioning of Upright Metallurgical Microscope

SCHEDULE OF ITEMS

Name of the Bidder

Price Schedule - 1

Sr. No.	Test Equipment	Qty.	Rate in INR	Amt. in INR Excl. of Taxes	Add Tax %	Tax Amount	Total Amt. with Tax
1.0	Upright Metallurgical Microscope meeting the requirements as specified in the Technical Specification attached Annx. F	1		0		0	0
2.0	Custom Duties if applicable						
3.0	Other charges if any						
4.0	Total of Price Schedule -1 including above Taxes & Duties						0
5.0	Total in Words						

Instructions:

1	Please enter the values in yellow cell only.
2	Please fill the Price Schedule 1 and Price Schedule 2. Filling up of Price Schedule is mandatory else Commercial Bid will be disqualified.
3	Commercial bid is to be submitted online only.
4	Hardcopy not to be submitted.
5	The total price should be F.O.R. destination.

Price Schedule - 2



Central Institute of Road Transport



NIT No.ADM:STR:3165: MOF-12: Met Microscope:2023-24

Name of Work: Supply, installation and commissioning of Upright Metallurgical Microscope

SCHEDULE OF ITEMS

Name of the Bidder

Price Schedule - 2

Sr. No.	Test Facility For	Amt. in INR Excl. of Taxes	Add Tax %	Tax Amount	Total Amt. with Tax
Annual Maintenance Contract (AMC)					
1	(Comprehensive Annual Maintenance Cost year-wise after completion of warrantee period of 1 year as per the terms & condition of tender)				
1.1	AMC (Comprehensive) in 2 nd year			0	0
1.2	AMC (Comprehensive) in 3 rd year			0	0
1.3	AMC (Comprehensive) in 4 th year			0	0
1.4	AMC (Comprehensive) in 5 th year			0	0
1.5	AMC (Comprehensive) in 6 th year			0	0
1.6	AMC (Comprehensive) in 7 th year			0	0
1.7	AMC (Comprehensive) in 8 th year			0	0
1.8	AMC (Comprehensive) in 9 th year			0	0
1.9	AMC (Comprehensive) in 10 th year			0	0
2.0	Other Charges				

Instructions:

1	Please fill the Price Schedule 1 and Price Schedule 2. Filling up of Price Schedule is mandatory else Commercial Bid will be disqualified.
2	Commercial bid is to be submitted online only.
3	Hardcopy not to be submitted.
4	Please enter the values in yellow cell only.

Note:

1) AMC Price:

a) Price shall be quoted in Indian Rupees only.

b) If the bidder is from overseas countries, then Bidders are requested to quote in Indian Rupees.

2) At the time of submission of Financial Bid, every bidder has to quote AMC rates in given format for 9 years which will be effected after 1 years of warranty period, if CIRT enters into AMC Agreement with the bidder.



Annexure A

Prebid Queries format

Name of Organization: _____ Date: _____

Tender Title : Supply, Installation & Commissioning of Upright Metallurgical
Microscope

Tender No.: _____

SI. No.	Page no.	Clause no.	Clause	Suggestion / Query

- Email to be sent to stores@cirtindia.com in pdf format.

Annexure-B

FINANCIAL DETAILS OF THE ORIGINAL TEST EQUIPMENT MANUFACTURER (OEM) / AUTHORIZED DISTRIBUTORS

(On the letterhead of Statutory Auditor of the Original Test Equipment manufacturer (OEM)/ Authorized Distributors)

1. AVERAGE ANNUAL TURNOVER

Annual Turnover in INR			Average Annual Turnover (FY 2017-18, FY 2018-19 and FY 2019-20) in INR
Year 1 (FY 2017-18)	Year 2 (FY 2018-19)	Year 3 (FY 2019-20)	

Date:

Name of the Bidder:

Name of the audit firm:

Seal of the audit firm

(signature, name and designation of the authorized signatory)

Registration Number: Address of the audit firm: UDIN No.:

Seal of the Bidder

(signature, name and designation of the authorized signatory)

Annexure C

BIDDER INFORMATION SHEET

1	Name & Full Address of the firm (If there is a separate address for manufacturing unit/sales office/ godown, please mention specifically)	
2	Telephone/Telex/Fax/E-Mail/mobile number	
3	Name of contact person[s]/Representative Telephone/ Fax/ e-mail/mobile number	
4	Whether your firm is registered under Shop Act/ SSI Unit/ Other categories[specify and attach relevant documents]	
5	Product/Supply Range [Please specify brand/make dealt by your firm] Technical literature/brochures/leaflets are to be attached for technical product. Pl. attach separate sheet, if space provided is insufficient.	
7	Reputed clients' list of your firm: [preferably in and around Pune & Maharashtra, if you are a local vendor]	[Pl. enclose separate sheet]
8	Number of Equipment Sold in last Seven years	
9	Purchase order ; Year of supply ; delivery challan; Invoice (Please provide copies of the documents for the sold equipment)	
10	Bank details	
	Name of the Beneficiary & Address	
	Name of Bank & Address	
	Account No.	
	Branch Code	
	IFSC Code	
	MICR Code	
	SWIFT Code / Routing No.	
11	GST IN No.	
12	HSN Code	
	Seal	(Signature of Authorised Person)
	Date:	Name
		Designation

Annexure D

ANTI-BLACKLISTING CERTIFICATE

(To be Submitted on the letterhead of the Test equipment manufacturer and/ or Authorized distributor as the case may be)

I / We hereby certify and confirm that M/s. (Name of the Bidder) that the company/ any of the promoter/s / director/s are not blacklisted or barred by Government of India (GOI) / any other entity of GOI or any state government/ department / local government / agency in India or from abroad from participating in Project/s, either individually or as member of a Consortium as on the (Bid Due Date).

We further confirm that we are aware that our tender will be liable for rejection and EMD will be forfeited, in case any material misrepresentation is made or discovered with regard to the requirements of this tender at any stage of the Bidding Process or thereafter during the agreement period.

Yours faithfully,

(Signature, name and designation of the authorized signatory)

For and on behalf of

Annexure-E

Pre-requisite Infrastructure Requirements for Installation & Commissioning of the Testing Supply, installation and commissioning of Upright Metallurgical Microscope

S.N.	Description	Requirement
1.0	Civil Infrastructure -	
1.1	Test equipment/ machine store area requirement	
1.2	Fire Protection facilities (devices) if any	
1.3	Any other specific requirement for Civil Foundation work	
2.0	Electrical Infrastructure -	
2.1	Provision of Internet for test equipment/ machine	
2.2	Specific air conditioning	
3.0	Safety requirements	
4.0	Miscellaneous Provision of power, air, light, water, etc, as required during installation.	
5.0	Any other specific requirements	

TECHNICAL SPECIFICATION for Upright Metallurgical Microscope**Scope:**

To Supply, Installation & commissioning of Upright Metallurgical Microscopes with Digital Camera and Software for Metallurgical analysis with compatible Computer and laser Printer.

Supplied Upright Metallurgical Microscopes shall have following features:

Sr. No.	Parameters	Technical requirements
1	General Description	<ul style="list-style-type: none"> i. A sturdy, ergonomically designed Upright Microscope should be supplied with microscope stand suitable to use for reflected light, LED illumination, in built motorized Z axis with auto height adjustment and dust cover. ii. Complete reflected beam path should be apochromatically / / Harmonically corrected. iii. Microscope should be fully Motorized and encoded. iv. Microscope stand should have Focus knob and stand control keys (Buttons) on each side which will allow control of such functions as objective selection, contrast turret position, lamp setting, Illumination shutters (transmitted and reflected light) and condenser control. v. Microscope and system should be operated by following modes: Manually through Frame mounted preprogrammed buttons, by TFT Monitor and through software from PC.
2	Touch Screen Monitor for display	<p>The stand should be attached with Thin-Film-Transistor (TFT touchscreen) monitor for display of several parameters related to microscope components.</p> <p>With this TFT touchscreen, it should also be possible to change/control the motorized components like objective changeover, illumination control, reflector modules changeover without requiring PC.</p>
3	Contrast Methods	<p>The microscope shall have the following contrast techniques:</p> <p>Reflected Light</p> <ul style="list-style-type: none"> i. Bright Field illumination (BF) ii. Dark Field illumination (DF) <p>Light Manager & Contrast Manager should be available to set light intensity & Contrast for different Objectives.</p>
4	Illumination	<p>LED having illumination with a colour temperature 4500K to 5700K should be supplied along with microscope.</p> <p>Average life time of One lamp should be 50000hr minimum or the bidder has to supply multiple lamps which will give 50000hr minimum life combinedly.</p>
5	Objective lens system	<p>The objective lenses shall be of Plan Achromatic grade with minimum Field of View 22 mm suited for Bright Field, Dark Field.</p> <p>The Objective Lens Magnification shall be available in following configuration:</p> <ul style="list-style-type: none"> a) 5X/0.13 b) 10X/0.25 c) 20X/0.40 d) 50X/0.75 e) Semi Plan Apochromat 100X/0.90

6	Eyepiece Lens	Pair of Eyepieces of 10X magnification with minimum Field of View of 22 mm with micrometre scale in One eye should be provided.
7	Nosepiece	<ul style="list-style-type: none"> i. 6 or more position motorised nosepiece. ii. 4 or more position motorized reflector turret to accommodate the reflector modules for bright field & dark field. iii. The supplied Microscope should be capable to upgrade for other contrast like Circular Differential Interference Contrast/ Differential Interference Contrast, Polarization, and Fluorescence.
8	Focus system	<ul style="list-style-type: none"> i. Z axis should be operated in both manual & motorized option. ii. Coarse - 1 full revolution should be able to achieve movement Minimum 3.5 mm height & fine movement should have Minimum 0.2 mm height. iii. Z axis motorized option should have step size ≤ 25 nm with fine drive. Lifting range of Z axis shall be minimum 25mm.
9	Microscope stage	<p>Microscope should be equipped with a software controlled motorized scanning (X & Y) stage with independent Joystick. Stage should have travel range of 130 x 85mm (Min.) for reflected light with scratch resistant hard coat anodised surface and shall accommodate the stage insert plate of size 116 x 116mm (Min). Microscope stage shall have following features:</p> <ul style="list-style-type: none"> i. Microscope stage shall be capable of weight carrying capacity at least 4 Kg. ii. stepper motor maximum travel speed: 50 mm/sec to 250 mm/sec iii. reproducibility: $\pm 1 \mu\text{m}$ iv. resolution: $\leq 0.1 \mu\text{m}$ v. absolute accuracy: $\pm 5 \mu\text{m}$ vi. Sample Size (Height): 0- 40 mm or Higher <p>Also, Microscope stage should be able to connect through CAN ports. Software modules like Autofocus, motorized extended depth of focus and Tiles & Positions must be provided.</p>
10	Viewing Tube	Trinocular tube should be in 20° or more viewing angle with inter papillary adjustment $\sim 55-75$ mm. Beam-splitter 50/50 or 100/0:0/100 for observations. The image viewed through the tube should be upright and unreversed image.
11	Digital Camera	<p>The microscope shall be equipped with high resolution CMOS color camera with minimum following features:</p> <ul style="list-style-type: none"> i. No. of Pixels: 2464 (H) x 2056 (V) = 5.00 Mega pixel (Min.) ii. Pixel size: min. $2.4 \mu\text{m} \times 2.4 \mu\text{m}$ Or higher iii. Camera speed: 32 fps (Min.) at 2464 (H) x 2056 (V) or better iv. Integration Time: 1 ms to 4 s or better v. Cooling: Temperature stable @ 25°C for ambient temperatures between 18°C and 30°C. <p>Supplied camera should be compatible with latest version of Windows operating system.</p> <p>PC interface should be with USB 3.0. The camera shall be equipped with all necessary PC interface cable and software.</p>

		Suitable C-Mount Camera adapter to-be supplied along with microscope.
12	Image Analysis software	<p>Microscope shall be supplied with software (workbench concept) for customized routine jobs and shall have following features:</p> <ol style="list-style-type: none"> i. Advanced Image Acquisition Software with interactive measurement of intensity profiles, length, area, circle, angle, perimeter and counting of events. ii. Online Panorama for creation of stitched images on un-coded/un- motorized stages. iii. Panorama function for acquisition of tiles images on manual stages iv. Image saves into JPG, PNG, TIFF Image format. v. Module Manual Extended Depth of Focus (EDF) capability. vi. Best Image function for optimal exposure and light path settings by choosing from automatic acquired images. vii. Module Measurement: Interactive/dimensional measurement: length, area, contour-based measurement data (area, box, perimeter, grey values), angle, weld seams "(A-Measure)", Multi-Inter-distance viii. Loops in job templates to enable various number of evaluations as well as performing of Batch Mode. ix. Separation into supervisor and user mode. <p>Image analysis software must be supplied with following software modules:</p> <p><u>1. Module Grain Size Analysis</u></p> <p>Microscope shall be capable for following Three measurement methods:</p> <ol style="list-style-type: none"> i. <u>Planimetric method</u>: Automatic reconstruction of grain borders (single grains measurement and determination of the grain size distribution) ii. <u>Intercept method</u>: Semiautomatic measurement with chord pattern iii. <u>Compare method</u>: Manual with comparative diagrams (wall charts) <p>Measurement according to following standards: DIN EN ISO 643:2020; ASTM E 112-13 Plate I – IV, ASTM E1382-97.</p> <p><u>2. Module Cast Iron Analysis of graphite particles in cast iron</u></p> <ol style="list-style-type: none"> i. Shape and size distribution in area percentage (optional: graphite arrangement with wall charts) ii. Provided standard: DIN EN ISO 945 iii. Additional manual reclassification of Phases. <p><u>3. Non-Metallic Inclusion Analysis in steel</u></p> <p>Microscope shall be capable for measurement according to following standards: ASTM E45a, ISO 4967, JIS G0555, EN 10247, SEP 1571 and DIN 50602.</p> <p><u>4. Multiphase Analysis</u></p> <p>Module for automatic measurement of particle size and area content of multiphase samples, also evaluation of porosity</p>

		<ul style="list-style-type: none"> i. Options of acquisition: Single shots, tiles acquisition, load file from directory, load file from archive ii. Detection (gray values or color) and determination of particle size distribution of Minimum 10 phases iii. Available measurement parameters: Area, equivalent diameter circle, maximum diameter, perimeter, roundness, elliptical axes A and B, color/gray value iv. Loop function in job mode for higher efficiency in repetitive procedures.
13	Computer Configuration	<p>Reputed brand Personal Workstation with preloaded software shall be supplied with Minimum following requirements:</p> <ul style="list-style-type: none"> i. OS: Windows 10 Pro, 64Bit, Intel Core i7. ii. 16 GB (2x8) RAM DDR4 iii. Hard disk drive with a minimum 1TB (3.5-inch 7200rpm SATA) capacity. iv. Graphics card (minimum 2GB) – NVIDIA Quadro P1000 or higher. v. DVD R-W drive for loading operating system, taking back up and restoring calibration data vi. 24” or higher flat screen TFT monitor with 1920 X 1080 resolution. vii. 3 x PCI slots and 1 x PCI slot viii. 4 USB3.0 and 4 USB2.0 ports. ix. It should be pre-loaded with licensed version of Windows Operating System (minimum Windows 10) x. Hardware and software supporting the image analysing software.
14	Colour Laser Printer	<p>Reputed brand Laser colour printer shall be supplied with minimum following requirements:</p> <ul style="list-style-type: none"> i. Printing technology: Laser, Memory: Minimum 64MB, Processor: 400 MHZ. ii. Printing speed: 19 ppm (Black) & 4 ppm (Colour) iii. Printing technology resolution: 600 X 600 dpi 4 bits iv. Number of Print cartridges: 4 (1 each black, Cyan, Magenta, yellow) v. Standard connectivity: Hi Speed USB 2.0 Port, Fast Ethernet, 10/100 Base – TX Network Port. vi. Media Types: Plain, Light, Heavy, Extra Heavy, Coloured, Pre-printed, Recycle, Labels, Bond, Glossy vii. Duplex Print Options: Automatic (standard) viii. Authorization letter: Authorization letter from OEM for support & service for the equipment ix. Certifications: UL / FCC / CE x. Recommended Monthly Page Volume: 100 to 500, Monthly Duty Cycle: 20,000 pages (A4/Letter)
15	UPS and stabilizer	<ul style="list-style-type: none"> i. Supplier shall provide UPS having 3 KVA capacity with minimum back up time of 30 minutes. ii. Supplier shall provide 5KVA stabilizer for Microscope.
16	Up gradation Facility	<ul style="list-style-type: none"> i. The supplied Microscope should be capable to upgrade for Particle Size analyser module.

17	Other terms and conditions:	<ul style="list-style-type: none"> i. A complete user list of Indian users possessing similar instrument must be provided. ii. Microscope, Camera, and Software should be from the same make / manufacturer for optimum technical performance & compatibility. Microscope should be completely standalone model. iii. The Bidder must give date of manufacturing of supplied Microscope. iv. Software supplied for the test equipment shall be perpetual in nature without any interlocks from any external sources. The bidder shall provide software code, exe files and installer files and software manual . Software shall be of latest version with free perpetual updates.
18	Manuals & Training:	<ul style="list-style-type: none"> i. Manufacturer shall provide Three copies (both hard copy and soft copy) of detailed user manuals (operating and maintenance) with complete circuit diagrams (mechanical, electronic, and electrical). ii. Manufacturer shall provide training for Five (5) working days wherein the training shall be about operations, instructions, maintenance as well as trouble shooting & all other areas which are necessary for smooth functioning of Machine after installation and commissioning at CIRT.
19	Warranty:	The bidder shall give warranty for 1 years from the date of commissioning of the equipment against any manufacturer defects or any other defects.
20	Customer Service Support (after Warranty period)	Customer Service Support shall be provided for minimum period of 9 years after the initial warranty period of 1 years.
21	Spares and consumables:	<ul style="list-style-type: none"> i. Manufacturer shall provide a sufficient spares and consumables for smooth and trouble-free operation for a period of 1 years during warranty period. ii. Spares & Consumables support for 9 years after warranty period.
22	Pre-delivery Inspection:	Manufacturer shall have to arrange Inspection of equipment before delivery for validation & technical evaluation of test results.
23	Delivery	Equipment/ Test Rigs shall be supplied to CIRT within a period of 120 days from the date of acceptance of P. O.
24	Conformity to Specifications:	<ul style="list-style-type: none"> i. The bidder must fill the Technical Compliance Sheet (Annexure G) with documentary evidence and submit along with the offer. ii. Bidder 's response to all tender stipulations should clearly be defined. Bidder shall furnish specific details/ specifications of all major components, systems with Make & Model etc. iii. Generalise response like "As per tender specification/ Technical leaflet", "Noted" and "accepted" or in any similar fashion is not acceptable. iv. In case the bidder's specification deviates from tender specification, the bidder has to explain why the

		<p>proposed solution is equivalent or better to the Minimum requirements of Tender specification.</p> <p>v. In case, CIRT finds any deviation which is not declared by the Bidder, CIRT reserves the right to seek clarification.</p>
--	--	---

Technical Compliance Sheet

The technical compliance Sheet must be completed and submitted with supported documentary evidences. Please ensure that all these points are covered in your offer. These will ensure that your offer is properly evaluated. Please mark "Yes" Or "NO" and specify page no. of your bid document where details or compliance has been confirmed. All technical parameters should be reflected in original OEM Brochure.

Sr. No.	Particulars	Complied / Not Complied (Yes/ No)	If deviation, please give proper justification that deviation suggested is equivalent or better	Page no. in Bid/ Reference of document in bid/ Reference No. supported documentary evidence.
#	To Supply, Installation & commissioning of Upright Metallurgical Microscopes with Digital Camera and Software for Metallurgical analysis with compatible Computer and laser Printer.			
1.0	General Description			
i	A sturdy, ergonomically designed Upright Microscope should be supplied with microscope stand suitable to use for reflected light, LED illumination, in built motorized Z axis with auto height adjustment and dust cover.			
ii	Complete reflected beam path should be apochromatically / Harmonically corrected.			
iii	Microscope should be fully Motorized and encoded.			
iv	Microscope stand should have Focus knob and stand control keys (Buttons) on each side which will allow control of such functions as objective selection, contrast turret position, lamp setting, Illumination shutters (transmitted and reflected light) and condenser control.			
v	Microscope and system should be operated by following modes: Manually through Frame mounted preprogrammed buttons, by TFT Monitor and through software from PC.			
2.0	Touch Screen Monitor for display:			
i	The stand should be attached with Thin-Film-Transistor (TFT touchscreen) monitor for display of several parameters related to microscope components.			
ii	With this TFT touchscreen, it should also be possible to change/control the motorized components like objective changeover, illumination control, reflector modules changeover without requiring PC.			

3.0	Contrast Methods:			
	The microscope shall have the following contrast techniques: Reflected Light i. Bright Field illumination (BF) ii. Dark Field illumination (DF) Light Manager & Contrast Manager should be available to set light intensity & Contrast for different Objectives.			
4.0	Illumination:			
i.	LED having illumination with a colour temperature 4500K to 5700K should be supplied along with microscope.			
ii.	Average life time of One lamp should be 50000hr minimum or the bidder has to supply multiple lamps which will give 50000hr minimum life combinedly.			
5.0	Objective lens system:			
	The objective lenses shall be of Plan Achromatic grade with minimum Field of View 22 mm suited for Bright Field, Dark Field. The Objective Lens Magnification shall be available in following configuration: a) 5X/0.13 b) 10X/0.25 c) 20X/0.40 d) 50X/0.75 Semi Plan Apochromat 100X/0.90			
6.0	Eyepiece Lens: Pair of Eyepieces of 10X magnification with minimum Field of View of 22 mm with micrometre scale in One eye should be provided.			
7.0	Nosepiece:			
i.	6 or more position motorised nosepiece.			
ii.	4 or more position motorized reflector turret to accommodate the reflector modules for bright field & dark field.			
iii.	The supplied Microscope should be capable to upgrade for other contrast like Circular Differential Interference Contrast/ Differential Interference Contrast, Polarization & Fluorescence			
8.0	Focus system:			
i.	Z axis should be operated in both manual & motorized option.			
ii.	Coarse – 1 full revolution should be able to achieve movement Minimum 3.5 mm height & fine movement should have Minimum 0.2 mm height.			

iii.	Z axis motorized option should have step size ≤ 25 nm with fine drive. Lifting range of Z axis shall be minimum 25mm.			
9.0	Microscope stage:			
i.	Microscope should be equipped with a software controlled motorized scanning (X & Y) stage with independent Joystick.			
ii.	Stage should have travel range of 130 x 85mm (Min.) for reflected light with scratch resistant hard coat anodised surface and shall accommodate the stage insert plate of size 116 x 116mm (Min).			
iii.	Microscope stage shall have following features:			
	i. Microscope stage shall be capable of weight carrying capacity at least 4 Kg.			
	ii. Stepper motor maximum travel speed: 50 mm/sec to 250 mm/sec			
	iii. reproducibility: +/- 1 μ m			
	iv. resolution: ≤ 0.1 μ m			
	v. absolute accuracy: +/- 5 μ m			
	vi. Sample Size (Height): 0- 40 mm or Higher			
iv.	Also, Microscope stage should be able to connect through CAN ports.			
v.	Software modules like Autofocus, motorized extended depth of focus and Tiles & Positions must be provided.			
10.0	Viewing Tube:			
	Trinocular tube should be in 20° or more viewing angle with inter papillary adjustment ~55-75 mm. Beam-splitter 50/50 or 100/0:0/100 for observations. The image viewed through the tube should be upright and unreversed image.			
11.0	Digital Camera:			
	The microscope shall be equipped with high resolution CMOS color camera with minimum following features:			
i.	No. of Pixels: 2464 (H) x 2056 (V) = 5.00 Mega pixel (Min.)			
ii.	Pixel size: min. 2.4 μ m x 2.4 μ m Or higher			
iii.	Camera speed: 32 fps (Min.) at 2464 (H) x 2056 (V)			
iv.	Integration Time: 1 ms to 4 s or better			
v.	Cooling: Temperature stable @ 25°C for ambient temperatures between 18°C and 30°C.			
vi.	Supplied camera should be compatible with latest version of Windows operating system.			
vii.	PC interface should be with USB 3.0.			
viii.	The camera shall be equipped with all necessary PC interface cable and software.			
ix.	Suitable C-Mount Camera adapter to-be supplied along with microscope.			

12.0	Image Analysis software:			
	Microscope shall be supplied with software (workbench concept) for customized routine jobs and shall have following features:			
i.	Advanced Image Acquisition Software with interactive measurement of intensity profiles, length, area, circle, angle, perimeter and counting of events.			
ii.	Online Panorama for creation of stitched images on un-coded/un- motorized stages.			
iii.	Panorama function for acquisition of tiles images on manual stages.			
iv.	Image saves into JPG, PNG, TIFF Image format.			
v.	Module Manual Extended Depth of Focus (EDF) capability			
vi.	Best Image function for optimal exposure and light path settings by choosing from automatic acquired images			
vii.	Module Measurement: Interactive/dimensional measurement: length, area, contour-based measurement data (area, box, perimeter, grey values), angle, weld seams "(A-Measure)", Multi-Inter-distance.			
viii.	Loops in job templates to enable various number of evaluations as well as performing of Batch Mode.			
ix.	Separation into supervisor and user mode.			
13.0	Image analysis software must be supplied with following software modules:			
13.1	<u>Module Grain Size Analysis:</u> Microscope shall be capable for following Three measurement methods:			
i.	<u>Planimetric method:</u> Automatic reconstruction of grain borders (single grains measurement and determination of the grain size distribution)			
ii.	<u>Intercept method:</u> Semiautomatic measurement with chord pattern			
iii.	<u>Compare method:</u> Manual with comparative diagrams (wall charts)			
	Measurement according to following standards: DIN EN ISO 643:2020; ASTM E 112-13 Plate I – IV, ASTM E1382-97.			
13.2	<u>Module Cast Iron Analysis of graphite particles in cast iron:</u>			
i.	Shape and size distribution in area percentage (optional: graphite arrangement with wall charts)			
ii.	Provided standard: DIN EN ISO 945			
iii.	Additional manual reclassification of Phases.			

13.3	<u>Non-Metallic Inclusion Analysis in steel:</u> Microscope shall be capable for measurement according to following standards: ASTM E45a, ISO 4967, JIS G0555, EN 10247, SEP 1571 and DIN 50602.			
13.4	<u>Multiphase Analysis:</u> Module for automatic measurement of particle size and area content of multiphase samples, also evaluation of porosity			
i.	Options of acquisition: Single shots, tiles acquisition, load file from directory, load file from archive.			
ii.	Detection (Gray values or color) and determination of particle size distribution of Minimum 10 phases			
iii.	Available measurement parameters: Area, equivalent diameter circle, maximum diameter, perimeter, roundness, elliptical axes A and B, color/Gray value.			
iv.	Loop function in job mode for higher efficiency in repetitive procedures.			
14.0	<u>Computer Configuration:</u>			
	Reputed brand Personal Workstation with preloaded software shall be supplied with Minimum following requirements:			
i.	OS: Windows 10 Pro, 64Bit, Intel Core i7.			
ii.	16 GB (2x8) RAM DDR4			
iii.	Hard disk drive with a minimum 1TB (3.5-inch 7200rpm SATA) capacity.			
iv.	Graphics card (minimum 2GB) – NVIDIA Quadro P1000 or higher.			
v.	DVD R-W drive for loading operating system, taking back up and restoring calibration data			
vi.	24" or higher flat screen TFT monitor with 1920 X 1080 resolution.			
vii.	3 x PCI slots and 1 x PCI slot			
viii.	4 USB3.0 and 4 USB2.0 ports.			
ix.	It should be pre-loaded with licensed version of Windows Operating System (minimum Windows 10)			
x.	Hardware and software supporting the image analysing software.			
15.0	<u>Colour Laser Printer:</u>			
	Reputed brand Laser colour printer shall be supplied with minimum following requirements:			
i.	Printing technology: Laser, Memory: Minimum 64MB, Processor: 400 MHZ.			
ii.	Printing speed: 19 ppm (Black) & 4 ppm (Colour)			
iii.	Printing technology resolution: 600 X 600 dpi 4 bits			
iv.	Number of Print cartridges: 4 (1 each black, Cyan, Magenta, yellow)			

v.	Standard connectivity: Hi Speed USB 2.0 Port, Fast Ethernet, 10/100 Base – TX Network Port.			
vi.	Media Types: Plain, Light, Heavy, Extra Heavy, Coloured, Pre-printed, Recycle, Labels, Bond, Glossy			
vii.	Duplex Print Options: Automatic (standard)			
viii.	Authorization letter: Authorization letter from OEM for support & service for the equipment			
ix.	Certifications: UL / FCC / CE			
x.	Recommended Monthly Page Volume: 100 to 500, Monthly Duty Cycle: 20,000 pages (A4/Letter)			
16.0	UPS and stabilizer:			
i.	Supplier shall provide UPS having 3 KVA capacity with minimum back up time of 30 minutes.			
ii.	Supplier shall provide 5KVA stabilizer for Microscope.			
17.0	Up gradation Facility:			
i.	The supplied Microscope should be capable to upgrade for Particle Size analyzer module.			
18.0	Other terms and conditions:			
i.	A complete user list of Indian users possessing similar instrument must be provided.			
ii.	Microscope, Camera, and Software should be from the same make / manufacturer for optimum technical performance & compatibility. Microscope should be completely standalone model.			
iii.	The Bidder must give date of manufacturing of supplied Microscope.			
iv.	Software supplied for the test equipment shall be perpetual in nature without any interlocks from any external sources. The bidder shall provide software code, exe files and installer files and software manual. Software shall be of latest version with free perpetual updates.			
19.0	Manuals & Training:			
i.	Manufacturer shall provide Three copies (both hard copy and soft copy) of detailed user manuals (operating and maintenance) with complete circuit diagrams (mechanical, electronic, and electrical).			
ii.	Manufacturer shall provide training for Five (5) working days wherein the training shall be about operations, instructions, maintenance as well as trouble shooting & all other areas which are necessary for smooth functioning of Machine after installation and commissioning at CIRT.			
20.0	Warranty: The bidder shall give warranty for 1 years from the date of commissioning of the equipment against any manufacturer defects or any other defects.			

21.0	Customer Service Support (after Warranty period): Customer Service Support shall be provided for minimum period of 9 years after the initial warranty period of 1 years.			
22.0	Spares and consumables:			
i.	Manufacturer shall provide a sufficient spares and consumables for smooth and trouble-free operation for a period of 1 years during warranty period.			
ii.	Spares & Consumables support for 9 years after warranty period.			
23.0	Pre-delivery Inspection: Manufacturer shall have to arrange Inspection of equipment before delivery for validation & technical evaluation of test results.			
24.0	Delivery: Equipment/ Test Rigs shall be supplied to CIRT within a period of 120 days from the date of acceptance of P. O.			

**UNDERTAKING TO BE SUBMITTED IN CASE BIDDER IS TEST EQUIPMENT
MANUFACTURER**

*(To be submitted on the letterhead of the equipment manufacturer in case bid is submitted by test
equipment manufacturer)*

I / We hereby certify and confirm that we M/s. (Name of the Bidder) here by give
undertaking that we will extend our full warranty, maintenance service and supply of spares during
warranty period and customer support service period, in accordance with terms and conditions of
the tender document.

Yours faithfully,

(Signature, name, and designation of the authorized signatory)
For and on behalf of

(Stamp of test equipment manufacturer)

**UNDERTAKING TO BE SUBMITTED BY TEST EQUIPMENT MANUFACTURER IN
CASE BIDDER IS DISTRIBUTOR OF TEST EQUIPMENT MANUFACTURER**

(To be submitted on the letterhead of the equipment manufacturer)

I / We hereby certify and confirm that we M/s. (Name of the Test equipment manufacturer) here by give undertaking that we will extend our full warranty, maintenance service and supply of spares during warranty period and customer support service period, in accordance with terms and conditions of the tender document.

I/ We also certify that M/s. (Name of the Distributor) is our authorized distributor from last -----years. M/s. ----- (Name of the Distributor) is associated with us and have expertise of installation, commissioning, maintenance and repair in most effective manner.

Yours faithfully,

(Signature, name and designation of the authorized signatory)
For and on behalf of

(Stamp of test equipment manufacturer)

(to be printed in letter head)

**Self-Certification under preference to Make in India order
Certificate**

In line with Government Public Procurement Order No. P-45021/2/2017-PP(BE-II) dated 16.9.2020 and its amendments, if any we hereby certify that we M/s _____ are local supplier meeting the requirement of minimum local content i.e. _____% as defined in above orders for the material against Tender No.....dated..... Details of location at which local value addition will be made as follows: _____.

We also understand, false declarations will be in breach of the code of integrity under rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under law.

Thanking You,

Signature with date:

Name:

Designation:

Bidder Seal

(to be printed in letter head)

Self-Certification to be submitted by Non-local suppliers

We hereby declare that we are non-local suppliers..... with factory of manufacturing unit at address as follows
.....

We also understand, false declarations will be in breach of the code of integrity under rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under law.

Thanking You,

_____ **Signature with date:**

Name:

Designation:

**Bidder
Seal**

Annexure K

Format for submission of letter from purchaser of Upright Metallurgical Microscope (To be submitted on the letterhead of purchaser)

We, M/s. _____ have purchased Upright Metallurgical Microscope from M/s. _____ in the year _____. Purchased Upright Metallurgical Microscope in the year _____ is currently operating satisfactorily.

Signature of authorised signatory of purchaser with date:

Name:

Designation:

Company Name:

Seal of Purchaser Company: