



Notice Inviting E-Tender

E-Tender No. ADM: STR: 3163: MOF-10: Hazemeter:2023-24

Date : 04/09/2023.

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 Hazemeter 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 Hazemeter	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	Telephone / Email Mobile:	For vendor Registration / DSC/Any other issue regarding e- Tender Process,
Mr. Sanjay Chandak	9665721619 Email: sanjay.kc@etenderwizard.com	
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 Hazemeter” 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: 3163: MOF-10: Hazemeter:2023-24
2.	Tender Title	Supply, installation and commissioning of Hazemeter
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. Note: * MSME registered firm shall submit copy of MSME UDYAM registration certificate.
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. Note: * MSME registered firm shall submit copy of MSME UDYAM registration certificate.
7.	Submission of Pre-bid queries (For Pre-Bid Query Format Refer Annexure A)	<ul style="list-style-type: none">• On or before 1700 hrs on 11/09/2023 by email• Email to be sent to stores@cirtindia.com
8.	Pre-bid meeting Date, Time and Mode	On 12/09/2023 at 14.30 hrs. 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 1700 hrs on 11/09/2023 by email.
10.	Last Date of submission of online bids Technical & Financial	18/09/2023 at 1730 hrs.
11.	Physical Submission of only Technical Bid	18/09/2023 at 1730 hrs.
12.	Technical Bid Opening	20/09/2023 at 1100 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

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 coloumn)

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 Hazemeter _ 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'	
15	Format for submission of letter from purchaser of Hazemeter - 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)
<u>Warranty</u> 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)
<u>Delivery</u> 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 3 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 'I'.</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)

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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.** Request for exempting payment of Earnest Money Deposit will not be considered. 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. Ninty 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 **60 days** 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. There is no exemption from payment of Tender form fee.

For MSME registered Firms are exempted from tender form fee.

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 Hazemeter -Technical bid" so as to reach CIRT, Pune by 19/09/2023 upto 17.30 hrs. 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 valid authorization letter of Test equipment Manufacturer with Average annual turnover of the Hazemeter Manufacturer in the 3(three) financial years (FY 2017-18, FY 2018-19 and FY 2019-20) shall be at-least Indian Rupees Five 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.	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 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

		For MSME registered firms Average annual turnover in the 3(three) financial years (FY 2017-18, FY 2018-19 and FY 2019-20) shall be as per MSME norms.) Details to be submitted as per Annexure B
4	Bidder / principal (In case the bid is submitted by authorized distributor) should have minimum three years of experience of manufacturing / sold atleast one Hazemeter.	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.
5	Bidder shall submit the list of clients to whom they have sold the Hazemeter. The bidder shall submit the letter from all such purchaser on the letterhead of purchaser about the satisfactory operation presently of the sold Hazemeter to them.	List of clients to whom bidder have sold the Hazemeter. The Letters from atleast one purchaser on the letterhead of the purchaser about satisfactory operation of Hazemeter presently as per Annexure K.
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 / 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.	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 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.
- 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.
 - Bid should be comprehensive and must consider the Scope of Work to be completed.
 - CIRT at its sole discretion may seek clarifications from any Bidder on the Technical Eligibility Criteria and any information submitted in his Bid.
 - Any Bidder submitting any information regarding price/financial quote in his Technical Bid shall be disqualified from the Bidding Process.
 - 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.

2. Bidders should submit supporting documents like Installation and commissioning report, copies of PO of purchasers 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.

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: 3163: MOF-10: Hazemeter:2023-24” and “Tender title - Supply, installation and commissioning of Hazemeter” 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 of Hazemeter, Tender form fee, and EMD for Tender No. ADM: STR: 3163: MOF-10: Hazemeter: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 and the expenditure towards the same shall be borne by the bidders **OR** bidder should submit Test report of the equipment before shipment.

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 years (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 (three 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 03 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 year 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 year.

Manufacturer shall quote the comprehensive annual maintenance cost separately, after lapse of warranty period 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 in to 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 PurchaseOrder. 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 seven 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 two (2) 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 / distributors for technical services, then same shall be declared while furnishing the Technical Bid. Such distributor shall be associated with Bidder for minimum three 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 Hazemeter 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 Hazemeter as per the enclosed **Annexure – E.**

Chapter 5 Price Schedule for bidders to quote prices

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: 3163: MOF-10: Hazemeter:2023-24

ITEM Supply, installation and commissioning of Hazemeter

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: 3163: MOF-10: Hazemeter:2023-24

Name of Work: Supply, installation and commissioning of Hazemeter

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	Supply, Installation & Commissioning of Hazemeter meeting the requirements as specified in the Technical Specification attached Annx. F of Tender document	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: 3163: MOF-10: Hazemeter:2023-24

Name of Work: Supply, installation and commissioning of Hazemeter

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 9 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 year 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 Hazemeter

Tender No.: ADM: STR: 3163: MOF-10: Hazemeter:2023-24

Sl. 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 Date:		(Signature of Authorised Person) <hr/> Name <hr/> 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 Hazemeter.

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 HAZEMETER**1.0 SCOPE:**

1.1 To supply and install Hazemeter.

1.2 The Hazemeter shall be designed, manufactured, erected and commissioned to measure light transmittance of safety glass as per IS: 2553 (Part 2):2019 and ECE R43 Revision 4:2018.

2 Haze meter shall have following features:

Sr. No.	Parameter	Description
1.	Equipment	Hazemeter with its Controller & Software: For the measurement of Haze / light transmittance (before & after weathering & abrasion) of Safety Glazing Surfaces as per IS: 2553 (Part 2):2019 and ECE R43 (Revision 4):2018.
2.	Performance Requirements	The equipment shall have: Performance as per IS: 2553 (Part 2):2019 and ECE R43 (Revision 4) :2018.
3.	Apparatus	
3.1		Equipment for measuring scattered light as per IS: 2553 (Part 2):2019 and ECE R43 (Revision 4) :2018, consisting of a photoelectric cell with an integrating sphere 200 to 250 mm in diameter. The sphere shall be equipped with entrance and exit ports for the light. The entrance port shall be circular and have a diameter at least twice that of the light beam. The exit port of the sphere shall be provided with either a light trap or a reflectance standard. The light trap shall absorb all the light when no test piece is inserted in the light beam.
3.2		The axis of the light beam shall pass through the centre of the entrance and exit ports. The diameter b of the light-exit port shall be equal to $2a \tan 4^\circ$, where a is the diameter of the sphere. The photoelectric cell shall be mounted in such a way that the light coming directly from the entrance port or from the reflectance standard does not reach the cell.
3.3		The surfaces of the interior of the integrating sphere and the reflectance standard shall be of substantially equal reflectance and shall be matte and non-selective.
3.4		The output of the photoelectric cell shall be linear within ± 2 per cent over the range of luminous intensities used. The design of the instrument shall be such that there is no galvanometer deflection when the sphere is dark.
3.5		Light Source consisting of incandescent lamp with its filament contained within a parallelepiped measuring 1.5 mm x 1.5 mm x 3 mm. The voltage at lamp filament shall be such that the colour temperature is 2856 ± 50 K. The voltage shall be stabilized within $\pm 1/1000$.
3.6		Optical system consisting of a lens with a focal length (f) of at least 500 mm and The full aperture of the lens shall not exceed $f/20$.
3.7		The distance between the lens and the light source shall be adjusted in order to obtain a light beam which is parallel.
3.8		A diaphragm shall be inserted to limit the diameter of the light between beam to 7 ± 1 mm. The diaphragm shall be situated at a distance of 100 ± 50 mm from the lens on the side remote from the light source. The point of measurement shall be at the centre of the light beam.
4.	Measuring Equipment	The receiver shall have a relative spectral sensitivity in substantial agreement with the relative spectral luminous efficiency for the International Commission on Illumination standard photometric observer for photocopy vision. The sensitive surface of the receiver shall be covered with a diffusing medium and shall have at least twice the cross-section of the light beam emitted by the optical system. If an integrating sphere is used, the aperture of the sphere shall have a cross-sectional area at least twice that of the parallel portion of the beam.

4.1		The linearity of the receiver and the associated indicating instrument shall be within 2 percent of the effective part of the scale. The receiver shall be centered on the axis of the light beam.
5.	Samples	Standard Haze Samples – 2 Nos.
6.		Controller with software capable of haze measurement and test report generation.
6.1	Control system	The equipment shall have PC with Laser printer and RS232 LAN connection
6.1	Desktop	Desktop: i5 or i7 processor, 8GB RAM, 1TB HDD, 4-6 USB ports, 1GB Direct X 10.0 graphic card, mouse, keyboard and 23” LED monitor, Laser printer, latest 64-bit licensed Windows 10 OS with supporting materials (cables, accessories, etc.) to operate system as per specifications
6.3	Software	The equipment shall have Software capable of: Measuring haze and ancillary measurements as per the standards required. Generating report in an excel readable file with pertinent measurements. Format per NATIS. Free support for software to be provided.
7.	Safety	The equipment shall be equipped with safety devices to provide adequate features in the equipment.
7.1		Every electrical functional circuit shall be equipped its own safety facility which shuts down the functional circuit affected or the entire Hazemeter in case of a malfunction
8.	Power Supply	The equipment shall have: Input for machine: 230V AC, 1Phase, 50Hz
9.	Sample holder	The equipment shall have: Sample holder apparatus.
10.	Calibration certificate	Onsite NABL calibration after commissioning of the machine and Calibration certificate traceable to ISO/IEC 17025 accredited laboratory shall be provided.
11.	Warranty	Comprehensive warranty for 1 years from the date of commissioning of the equipment.
12.	Manual	User and maintenance manuals shall be provided.
13.	Training	Onsite two days training at CIRT shall be provided.

Conformity to Specifications:

- i. The bidder must fill the Technical Compliance Sheet (Annexure G) 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 bidders specification deviates from tender specification, the bidder has to explain why the proposed solution is equivalent or better to the Minimum requirements of Tender specification.
- v. In case, CIRT finds any deviation which is not declared by the Bidder, CIRT reserves the right to seek clarification.



Technical Compliance Sheet

The technical compliance Sheet must be completed and submitted with your offer. 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
#	Supply, Installation & commissioning of Hazemeter			
#	The Hazemeter shall be designed, manufactured, erected and commissioned to measure light transmittance of safety glass as per IS: 2553 (Part 2):2019 and ECE R43 Revision 4:2018.			
1.	Equipment - Hazemeter with its Controller & Software: For the measurement of Haze / light transmittance (before & after weathering & abrasion) of Safety Glazing Surfaces as per IS: 2553 (Part 2):2019 and ECE R43 (Revision 4):2018.			
2.	Performance Requirements - The equipment shall have: Performance as per IS: 2553 (Part 2):2019 and ECE R43 (Revision 4) :2018.			
3. 3.1	Apparatus - Equipment for measuring scattered light as per IS: 2553 (Part 2):2019 and ECE R43 (Revision 4) :2018, consisting of a photoelectric cell with an integrating sphere 200 to 250 mm in diameter. The sphere shall be equipped with entrance and exit ports for the light. The entrance port shall be circular and have a diameter at least twice that of the light beam. The exit port of the sphere shall be provided with either a light trap or a reflectance standard. The light trap shall absorb all the light when no test piece is inserted in the light beam.			
3.2	The axis of the light beam shall pass through the centre of the entrance and exit ports. The diameter b of the light-exit port shall be equal to $2a \tan 4^\circ$, where a is the diameter of the sphere. The photoelectric cell shall be mounted in such a way that the light coming directly from the entrance port or from the reflectance standard does not reach the cell.			
3.3	The surfaces of the interior of the integrating sphere and the reflectance standard shall be of substantially equal reflectance and shall be matte and non-selective.			

3.4	The output of the photoelectric cell shall be linear within ± 2 per cent over the range of luminous intensities used. The design of the instrument shall be such that there is no galvanometer deflection when the sphere is dark.			
3.5	Light Source consisting of incandescent lamp with its filament contained within a parallelepiped measuring 1.5 mm x 1.5 mm x 3 mm. The voltage at lamp filament shall be such that the colour temperature is 2856 ± 50 K. The voltage shall be stabilized within $\pm 1/1000$.			
3.6	Optical system consisting of a lens with a focal length (f) of at least 500 mm and The full aperture of the lens shall not exceed $f/20$.			
3.7	The distance between the lens and the light source shall be adjusted in order to obtain a light beam which is parallel.			
3.8	A diaphragm shall be inserted to limit the diameter of the light between beam to 7 ± 1 mm. The diaphragm shall be situated at a distance of 100 ± 50 mm from the lens on the side remote from the light source. The point of measurement shall be at the centre of the light beam.			
4.	Measuring Equipment - The receiver shall have a relative spectral sensitivity in substantial agreement with the relative spectral luminous efficiency for the International Commission on Illumination standard photometric observer for photocopy vision. The sensitive surface of the receiver shall be covered with a diffusing medium and shall have at least twice the cross-section of the light beam emitted by the optical system. If an integrating sphere is used, the aperture of the sphere shall have a cross-sectional area at least twice that of the parallel portion of the beam.			
4.1	The linearity of the receiver and the associated indicating instrument shall be within 2 percent of the effective part of the scale. The receiver shall be centered on the axis of the light beam.			
5.	Samples - Standard Haze Samples – 2 Nos.			
6.	Control system - The equipment shall have PC with Laser printer and RS232 LAN connection			
6.1	Desktop: i5 or i7 processor, 8GB RAM, 1TB HDD, 4-6 USB ports, 1GB Direct X 10.0 graphic card, mouse, keyboard and 23" LED monitor, Laser printer, latest 64-bit licensed Windows 10 OS with supporting materials (cables, accessories, etc.) to operate system as per specifications			
6.2	Software - The equipment shall have Software capable of: Measuring haze and ancillary measurements as per the standards required. Generating report in an excel			

	readable file with pertinent measurements. Format per NATIS. Free support for software to be provided.			
7.	Safety - The equipment shall be equipped with safety devices to provide adequate features in the equipment.			
7.1	Every electrical functional circuit shall be equipped its own safety facility which shuts down the functional circuit affected or the entire Hazemeter in case of a malfunction			
8.	Power Supply - The equipment shall have: Input for machine: 230V AC, 1Phase, 50Hz			
9.	Sample holder - The equipment shall have: Sample holder apparatus.			
10.	Calibration certificate - Onsite NABL calibration after commissioning of the machine and Calibration certificate traceable to ISO/IEC 17025 accredited laboratory shall be provided.			
11.	Warranty - Comprehensive warranty for 1 years from the date of commissioning of the equipment.			
12.	Manual - User and maintenance manuals shall be provided.			
13.	Training - Onsite two days training at CIRT shall be provided.			
14.	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 year.			
15.	Spares and consumables:			
16.	Manufacturer shall provide a sufficient spares and consumables for smooth and trouble-free operation for a period of 1 years during warranty period.			
17.	Spares & Consumables support for 9 years after warranty period.			
18.	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)

Annexure I

**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

**Format for submission of letter from purchaser of Hazemeter
(To be submitted on the letterhead of purchaser)**

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

Signature of authorised signatory of purchaser with date:

Name:

Designation:

Company Name:

Seal of Purchaser Company :