

**CIPET: CSTS - MADURAI**



**BIDDING DOCUMENT FOR  
SUPPLY & INSTALLATION OF  
*Spherical Transmittance  
Hazemeter***

***E-TENDER NO.:*** CIPET/CSTS/MDU/ADMIN/E-  
TENDER/03/HAZE/2020-21

**LAST DATE FOR SUBMISSION OF ONLINE BID: 14.10.2020**

**CENTRAL INSTITUTE OF PETROCHEMICALS ENGINEERING & TECHNOLOGY**

**CIPET: CSTS - MADURAI**

Department of Chemicals & Petrochemicals;  
Ministry of Chemicals & Fertilizers, Govt. of India  
Thiruvathavur, Madurai – 625 110

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**CIPET: CSTS - MADURAI**  
**Notice Inviting E-Tender**

E-Tender No.: CIPET/CSTS/MDU/ADMIN/E-TENDER/03/HAZE/2020-21 Date: 14.10.2020

CIPET CSTS MADURAI invites item rate E-Tender in two Bid systems (Technical and Financial) from Resourceful and reliable suppliers/Manufacturers for Supply & Installation of Spherical Transmittance Hazemeter at CIPET Madurai.

| Sl. No. | E-Tender No. & Date   | Name of the Item / Work   | Estimated Value in Rupees | EMD in Rupees | Completion Time                                  | Tender Fees in Rupees               | Last Date & Time of online Bid submission |
|---------|---|---|---------------------------|---------------|--|-------------------------------------|---|
| 01      | CIPET/CSTS/MDU/ADM/E-TENDER.-<br>03/HAZE/2020-21<br>Dated: 14.10.2020 | Supply & Installation of Spherical Transmittance Hazemeter at CIPET Madurai | 3,50,000.00               | 7,000.00      | 30 Days from the date of issue of Purchase Order | 1,000.00 Non-Refundable + GST @ 18% | 04.11.2020 up to 10.30 A.M                |

Interested and eligible bidders may view and download the detailed tender documents from CIPET's E-Tender portal

[www.tenderwizard.com/CIPET](http://www.tenderwizard.com/CIPET) or [www.cipet.gov.in](http://www.cipet.gov.in)

All Bids must be submitted through the online portal [www.tenderwizard.com/CIPET](http://www.tenderwizard.com/CIPET).

The Tender Fee and EMD will be accepted in the form of Demand Draft drawn on any Indian Nationalized Bank favoring

“CIPET:ATPDC Madurai” payable at Madurai and shall be submitted at CIPET: CSTS – Madurai as specified on or before 04.11.2020 up to 10.30 A.M. in separate sealed cover, failing which bids will be summarily rejected.

Additionally, a soft copy of the Tender Fee and EMD (Scan copy of DD) shall also be uploaded along with the Technical Bid to be submitted online.

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**Silent information about the E-Tender:**

1. **Mode of submission:** ONLINE. No offline Tenders will be accepted. Silent
2. **Availability of Tender Documents:** All Bid formats (Technical & Financial) will be available ONLINE at CIPET's E – Tender portal [www.tenderwizard.com/CIPET](http://www.tenderwizard.com/CIPET) or [www.cipet.gov.in](http://www.cipet.gov.in). The registered vendors can download the Bids from these websites.
3. **Who can participate for this e-Tender:** The registered vendors of CIPET through [www.tenderwizard.com/CIPET](http://www.tenderwizard.com/CIPET) can only participate in this tender process.
4. **How to register by a vendor :**
  - a. The prospective bidders have to register with CIPET through the E-tender portal of CIPET at [www.tenderwizard.com/CIPET](http://www.tenderwizard.com/CIPET) by Online Payment of Rs. 1,770/- KEONICS On completion of the registration process, the bidders will be provided user ID and password. After receipt of User ID & Password, Bidders can log on at our e-Tender portal for downloading & uploading tender documents.
  - b. Tender Documents Fees (Non refundable) of Rs. 1,000/- is Payable to CIPET CSTS Madurai in the form of Demand Draft from any Nationalize Bank not drawn before the Date of Releasing of NIT.
  - c. Processing Fees: As Applicable Payable Online separately to KEONICS.
5. **Is there any device requirement for participation in e-Tender:** Yes, Bidders should have valid Class 3 Digital Signature Certificate (DSC) device for participating in e-Tender. For integrity of data and its authenticity/non-repudiation of electronic records and to be compliant with IT Act 2000, 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 Certifying Authority (CA) licensed by Controller of Certifying Authorities (CCA).
6. Contact details for e-Tender related issue:

| Name of the Service Provider: KEONICS                         |  |  |
|---|--|--|
| Contact Person  | Telephone / E-mail   | Remarks:   |
| Telephone no. /<br>Mobile no. (Helpdesk)<br>i) Madan kumar :- | i) 9941947400<br><br>{between 9:00 am to 6:00<br>pm}                 | For Vendor registration / any<br>other issue regarding e-Tender<br>Process, please contact:<br><br>KEONICS as the details given in the<br>previous Columns |
| E-mail id   | <a href="mailto:cipethelpdesk@gmail.com">cipethelpdesk@gmail.com</a> |  |

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7. Bidders are hereby advised that all the documents to be submitted online are kept scanned to PDF & JPEG format in a separate folder on their computers before starting online submission. The schedule of rate (Excel Format) may be downloaded and rates may be filled appropriately in this format only. This file may also be saved in a separate folder on your computer.
8. While uploading / submitting the documents, it should be ensured that the file name should be the name of the document itself.
9. All pages of Tender documents with Addenda / Corrigenda (if any) must be signed with proper official stamp and date by the Bidders / or authorized power of attorney holders at the lower right hand corner.
10. Bidders are advised to visit CIPET's e-Tender portal regularly for any Addenda / Corrigenda (if any) with regard to the e – Tender, for which no separate paper advertisement will not be published.
- 11. Last date of online submission of Tender bid: 04.11.2020 up to 10:30 AM.**
12. EMD and Tender Fee must be in approved mode only and shall be duly Signed & Sealed in separate cover along with filled Technical Bid and with necessary enclosures shall be submitted in physical form (hard copy) in person / by speed post on or before 03.11.2020 up to 10:30 AM at CIPET CSTS Madurai. Non-receipt of the same are liable for rejection of the Tender. Bidders registered with the Central Purchase Organization, National Small Industries Corporation (NSIC) or the concerned Ministry or Departments are exempted from paying the EMD.
- 13. Date & Time of Technical Bid Opening: 04.11.2020 at 11.00 AM.**
- 14. Date & Time of Financial Bid Opening: 06.11.2020 at 11.00 AM.**

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**15. Eligibility Criteria:**

- a. Age of the Firm shall be More than 03 Years as on 14.10.2020.
- b. The average Annual Turnover of the tendering firm should be minimum Rs. 50.00 Lakhs & above in last 03 financial years. Audited financial Statement shall be enclosed for the last three financial years.
- c. Tenderer should have completed Job(s) in one financial Year during the last 03 (Three) financial years:
  - i. One similar completed Job costing not less than the amount equal to 80% of the estimated cost.

OR
  - ii. Two similar completed Job each of value not less than 50% of the estimated cost.

OR
  - iii. Three similar completed Job each of value not less than 40% of the estimated cost.

CIPET reserves the absolute right to accept/reject any or all bids at any stage of the tender process without assigning any reason whatsoever.

Director and Head – CIPET, CSTS  
Madurai; Thiruvathavur,  
Madurai – 625 110.

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**This Tender form contains Section I to VII**

**SECTION: I**

**INTRODUCTION**

Central Institute of Petrochemicals Engineering & Technology, (CIPET: CSTS - Madurai) is a Govt. of India Institute under Department of Chemicals & Petrochemicals, Ministry of Chemical & Fertilizers, Govt. of India engaged in Training and Research in the field of Plastics with Head Quarters and Head Office at Chennai. The Centre at Madurai (CIPET CSTS Madurai), Tamilnadu invites e-tenders in 2 bid system (Technical and Financial Bid) for the Item / work titled "Supply of Supply & Installation of Spherical Transmittance Hazemeter at CIPET Madurai".

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**SECTION: II**

**SCOPE OF WORK**

**Name of the Work:** Supply & Installation of Spherical Transmittance Hazemeter at CIPET Madurai

***Specification: Spherical Transmittance Hazemeter***

| <b>Sl. No</b> | <b>Description</b>                 | <b>Requirement</b>  |
|---------------|------------------------------------|---|
| 1.            | Application                        | To measure the amount of light that is diffused or scattered when passing through a specimen/sample. The haze meter also measures total transmittance.  |
| 2.            | Standard                           | Conforms to ASTM D 1003, ISO 13468, ISO 14782; IS 2508  |
| 3.            | Light Source                       | CIE-A, CIE-C, CIE-D65 for haze and total transmittance measurement  |
| 4.            | Spectral Response                  | CIE Luminosity function Y/V ( $\lambda$ )   |
| 5.            | Measurement Area/<br>Aperture Size | 21 mm or better   |
| 6.            | Lifetime of Source                 | Atleast 10 Years  |
| 7.            | Measurement Range                  | Luminous transmittance: 0-100%<br>Haze: 0 – 100%  |
| 8.            | Resolution                         | 0.01  |
| 9.            | Repeatability                      | $\leq 0.1$  |
| 10.           | Configuration                      | Using Haze standard plate   |
| 11.           | Calibrated Standard<br>Material    | Series of Calibration Standards to be provided for transparency and haze (narrow angle scattering and Wide angle scattering) must be provided for verifying the accuracy of the instrument. Calibration certificate for the same traceable to NPL or NIST is mandatory. |

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**EXPLANATORY NOTE TO THE SCOPE OF WORK:**



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**SECTION: III**

**TECHNICAL SPECIFICATION**

***Equipment: Spherical Transmittance Hazemeter***

| <b>Sl. No</b> | <b>Description</b>              | <b>Requirement Specification</b>  | <b>Quoted Specification</b> | <b>Remarks (Complies/ Deviation)</b> |
|---------------|---------------------------------|---|-----------------------------|--------------------------------------|
|               | Make                            |   |                             |                                      |
|               | Model                           |   |                             |                                      |
| 1.            | Application                     | To measure the amount of light that is diffused or scattered when passing through a specimen/sample. The haze meter also measures total transmittance.  |                             |                                      |
| 2.            | Standard                        | Conforms to ASTM D 1003, ISO 13468, ISO 14782; IS 2508  |                             |                                      |
| 3.            | Light Source                    | CIE-A, CIE-C, CIE-D65 for haze and total transmittance measurement  |                             |                                      |
| 4.            | Spectral Response               | CIE Luminosity function Y/V ( $\lambda$ )   |                             |                                      |
| 5.            | Measurement Area/ Aperture Size | 21 mm or better   |                             |                                      |
| 6.            | Lifetime of Source              | Atleast 10 Years  |                             |                                      |
| 7.            | Measurement Range               | Luminous transmittance: 0-100%<br>Haze: 0 – 100%  |                             |                                      |
| 8.            | Resolution                      | 0.01  |                             |                                      |
| 9.            | Repeatability                   | $\leq 0.1$  |                             |                                      |
| 10.           | Configuration                   | Using Haze standard plate   |                             |                                      |
| 11.           | Calibrated Standard Material    | Series of Calibration Standards to be provided for transparency and haze (narrow angle scattering and Wide angle scattering) must be provided for verifying the accuracy of the instrument. Calibration certificate for the same traceable to NPL or NIST is mandatory. |                             |                                      |

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**SECTION: IV**

**SPECIAL TERMS AND CONDITIONS / INSTRUCTIONS TO BIDDER**

1. The Tenderer is expected to examine all instructions, forms, terms and specifications in the Tender Documents. Failure to furnish all information required for the Tender Documents or submission of a Tender not substantially responsive to the Tender Documents in every respect will be at the Tenderer's risk and may result in rejection of the Tender.
2. The purchaser shall not be liable for any expenses whatsoever incurred by the Tenderer in the preparation of the tender whether his tender is accepted or not even if the purchaser opts for complete withdrawal of invitation of Tender.
3. Supply & Installation must be taken at CIPET CSTS Madurai premises as per the details provided by CIPET Authority at the expense of the bidder. CIPET will not be liable for any additional expenses incurred in this regard.
4. Bidder shall submit documentary evidence (signed by authorized signatory) proving that bidder fulfills the criteria as stated in Pre - qualification criteria.
5. Offer should be in two parts Viz., "TECHNICAL BID" and "FINANCIAL BID" and all bids must be submitted through the online portal [www.tenderwizard.com/CIPET](http://www.tenderwizard.com/CIPET).
6. Any Tender received after the last date for submission of E-Tenders prescribed in the tender, will be rejected. Conditional tender will be summarily rejected without prejudice so bidders are advised to quote the price as per N.I.T. conditions only.
7. Tenders shall remain valid for 180 days after the date of E-Tender.
8. The work should be completed within 30 days time from the date of receipt of the Purchase Order / Work Order.
9. In case of non receipt of supply & installation of equipment in all aspect as per the requirement within 30 days from the date of issue of the Purchase Order / Work Order CIPET has right to charge liquidated damages @ 0.50% per week subject to maximum of 10% of the total purchase value.
10. The cost of tender document is Rs. 1,000/- Plus Gst @ 18%(Non Refundable) and Tenderers are requested to submit the tender fees on or before 04.11.2020, 10.30 AM, by Demand Draft drawn in favor of "CIPET - ATPDC Madurai" payable at Madurai, failing which the tender will be rejected.

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11. The Tenderer shall pay Earnest Money Deposit of Rs.7,000/- in the form of Demand Draft drawn in favour of " CIPET : ATPDC Madurai " payable at Madurai on or before 04.11.2020, 10.30 AM. The tenders received without the EMD shall be rejected. The Earnest Money of the unsuccessful Tenderers will be refunded after 15 days time from the completion of tender process.
12. EMD amount of successful bidder shall be kept as performance security for a period of 60 (sixty) days to be reckoned from the date of receipt of goods in all respect and complete.
13. The earnest money deposit may be forfeited if:-
  - a. The Tenderer withdraws his tender during the period of tender validity specified in the tender document.
  - b. After acceptance of his tender, the Tenderer fails to take up the job.
14. TDS (Tax Deducted at Source) and other applicable taxes will be deducted as per prevailing rules and regulations of the Government, as applicable.
15. The Tenderer shall complete the Tender Form and fill the appropriate Financial Bid Furnished in the Tender Documents, indicating for the goods to be supplied, a brief description of the Goods, quantity and prices.
16. The Bidder shall indicate on the Financial Bid attached to these documents, the unit prices and total Bid Prices of the goods, proposed to be supplied under the Contract.
17. Financial Bid should be submitted in the prescribed format (Excel Format) given under price schedule of the Tender Document.
18. The rate quoted by the Tenderer should be firm and no escalation on any account whatsoever shall be paid for this work.
19. CIPET will notify the successful Tenderer in writing by registered letter / fax / e -mail to be confirmed that his tender has been accepted.
24. 80% amount shall be paid against supply of the equipment and the balance 20% shall be paid after due installation & satisfactory working of the equipment at the CIPET CSTS Madurai.

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25. The suppliers shall be solely responsible for supply & installation of the said equipment at CIPET CSTS Madurai.
26. The Director & Head, CIPET CSTS Madurai reserves the right to accept or reject any or all tenders at any point of time prior to issue of Purchase Order without assigning any reasons whatsoever and no correspondence shall be entertained in this regard.
27. In the case of a dispute or differences arising between the Purchaser and Supplier relating to any matter arising out or connected with this Tender, such dispute or differences shall be referred within the Jurisdiction of the Court, Madurai.

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**SECTION: V**

**TECHNICAL BID**

**TENDER No.:** CIPET/CSTS/MDU/ADMIN/E-TENDER/03/HAZE/2020-21

**DESCRIPTION:** Supply & Installation of Spherical Transmittance Hazemeter at CIPET Madurai

| Sl. No | Particulars To Be filled up by the Tenderer / Bidder:  |  |
|--------|--|--|
| 1      | Name of the Tenderer / Supplier  |  |
| 2      | Postal address   |  |
| 3      | Telephone No. with STD code  |  |
| 4      | Fax with STD code  |  |
| 5      | Name of Contact person   |  |
| 6      | Mobile No.   |  |
| 7      | E-Mail ID  |  |
| 8      | Following Documents To Be Scanned and Uploaded in the website <a href="http://www.tenderwizard.com">www.tenderwizard.com</a> / <a href="http://CIPET">CIPET</a> during the period of submission. |  |
| 9      | The firm should have valid registration certificate in support of establishment of the firm (Registration No.)   |  |
| 10     | PAN (Permanent Account Number)   |  |
| 11     | Certificates of Registration for GST as applicable   |  |

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|    |  |  |
|----|--|--|
| 12 | Experience of Supply & Installation of Spherical Transmittance Hazemeter at CIPET Madurai to Corporate Offices / Institutions of Central Government / State Government / Central Autonomous Body / Central Public sector Undertaking during last 3 years as per the eligibility criterion. |  |
| 13 | The firm should furnish the Annual Turnover during the last Three Financial Years. (Audited Financial Statement).  |  |
| 14 | The firm should furnished the balance sheet and Income Expenditure Account of last Three Financial Years   |  |
| 15 | The firm should enclose copy of Income Tax Return of the last Three Assessment Years   |  |
| 16 | Demand Draft No. & Date for Tender Fees (Non refundable) of Rs.1,000/- Plus Gst @ 18%  |  |
| 17 | Demand Draft No. & Date for EMD of Rs. 7,000/-   |  |

Date:

Seal & Sign. Of Bidder

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**SECTION: VI**

**CHECKLIST**

**TENDER No.: CIPET/CSTS/MDU/ADM/E-TENDER.-03/HAZE/2020-21**

1. Have you deposited requisite Tender Fees & EMD?
2. Have you enclosed valid Registration Certificate of Establishment of Firm?
3. Have you enclosed your PAN Certificate?
4. Have you enclosed Income Tax Return Certificate for last 3 years?
5. Have you enclosed Audited Balance Sheet and Income & Expenditure account for last 3 years?
6. Have you enclosed Registration Certificate of GST?
7. Have you sealed & signed all the pages of Tender document?
8. Have you enclosed experience certificate/work orders copies?
9. Have you enclosed Annual Turnover Certificate?





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Note:

1. In case of discrepancy between unit price and total price, the unit price shall prevail.
2. Price should be quoted exactly as per the format given above.

Name:

Place:

Signature of Bidder /Tenderer With Seal