



Bid Number/बोली क्रमांक (बिड संख्या):  
GEM/2025/B/5885813  
Dated/दिनांक : 29-01-2025

### Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	19-02-2025 20:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	19-02-2025 20:30:00
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	90 (Days)
Ministry/State Name/मंत्रालय/राज्य का नाम	Ministry Of Science And Technology
Department Name/विभाग का नाम	Department Of Scientific And Industrial Research (dsir)
Organisation Name/संगठन का नाम	Council Of Scientific And Industrial Research (csir)
Office Name/कार्यालय का नाम	Central Building Research Institute
क्रैता ईमेल/Buyer Email	spo@cbri.res.in
Total Quantity/कुल मात्रा	1
Item Category/मद केटेगरी	Fourier Transform Infra Red (FTIR) Spectrometer (Q2)
Minimum Average Annual Turnover of the bidder (For 3 Years)/बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का)	15 Lakh (s)
MSE Exemption for Turnover/टर्नओवर के लिए एमएसई को छूट प्राप्त है	Yes
Startup Exemption for Turnover/ टर्नओवर के लिए स्टार्टअप को छूट प्राप्त है	Yes
Document required from seller/विक्रेता से मांगे गए दस्तावेज़	Experience Criteria,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Do you want to show documents uploaded by bidders to all bidders participated in bid?/	No
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	No
Type of Bid/बिड का प्रकार	Two Packet Bid

**Bid Details/बिड विवरण**

<b>Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय</b>	3 Days
<b>Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)</b>	No
<b>Evaluation Method/मूल्यांकन पद्धति</b>	Total value wise evaluation
<b>Arbitration Clause</b>	No
<b>Mediation Clause</b>	No

**EMD Detail/ईएमडी विवरण**

Required/आवश्यकता	No
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**ePBG Detail/ईपीबीजी विवरण**

Advisory Bank/एडवाइजरी बैंक	State Bank of India
ePBG Percentage(%) / ईपीबीजी प्रतिशत (%)	5.00
Duration of ePBG required (Months) / ईपीबीजी की अपेक्षित अवधि (महीने).	14

(a). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable./ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए।

**Beneficiary/लाभार्थी :**

Director

Central Building Research Institute, Department of Scientific and Industrial Research (DSIR), Council of Scientific and Industrial Research (CSIR), Ministry of Science and Technology  
(Director, Cbri)

**MII Purchase Preference/एमआईआई खरीद वरीयता**

MII Purchase Preference/एमआईआई खरीद वरीयता	No
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**Details of the Competent Authority for MII**

Name of Competent Authority	DR D P Kanungo
Designation of Competent Authority	Chief Scientist
Office / Department / Division of Competent Authority	CSIR-CBRI
CA Approval Number	nil

Competent Authority Approval Date	29-01-2025
Brief Description of the Approval Granted by Competent Authority	General Exemption given under MOF OM F.4/1/2023-PPD(pt.) dated 28.06.2024 at Sr No. 75

Competent Authority Approval for not opting Make In India Preference : [View Document](#)

#### **MSE Purchase Preference/एमएसई खरीद वरीयता**

MSE Purchase Preference/एमएसई खरीद वरीयता	Yes
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1. If the bidder is a Micro or Small Enterprise as per latest definitions under MSME rules, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.
2. If the bidder is a Startup, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to their meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.
3. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
4. Purchase preference will be given to MSEs having valid Udyam Registration and whose credentials are validated online through Udyam Registration portal as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service and Buyer will decide eligibility for purchase preference based on documentary evidence submitted, while evaluating the bid. If L-1 is not an MSE and MSE Seller (s) has / have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such MSE Seller shall be given opportunity to match L-1 price and contract will be awarded for 25% (selected by Buyer) percentage of total quantity. The buyers are advised to refer the OM No. F.1/4/2021-PPD dated 18.05.2023 [OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.
5. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

#### **Fourier Transform Infra Red (FTIR) Spectrometer ( 1 pieces )**

#### **Technical Specifications/तकनीकी विशिष्टियाँ**

\* [जेम कैटेगरी विशिष्टि के अनुसार / As per GeM Category Specification](#)

<b>Specification</b>	<b>Specification Name/विशिष्टि का नाम</b>	<b>Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य</b>
OPTICAL PERFORMANCE	<b>Wavenumber- Maximum (Per cm)</b>	6000, 8000
	<b>Wavenumber - Minimum (Per cm)</b>	350
	<b>Spectral (Wavenumber) Resolution (Per cm)</b>	0.5
	<b>Spectral (Wave Number) Accuracy (Per cm) (+/-)</b>	0.05
	<b>Beam Splitter</b>	KBr
	<b>Automatic beam splitter changeover for MIR to NIR or MIR to FIR without manual intervention</b>	No, Yes
	<b>Mirror Coating</b>	Gold
	<b>Peak to Peak Signal to Noise Ratio for 1 minute scan</b>	30000:1 or more
	DETECTOR	<b>Detector Type</b>
<b>Detector having temperature control</b>		Yes, No
LIGHT SOURCE	<b>Light Source</b>	Mid IR Source
SAMPLE TYPE / ANALYSIS FACILITY	<b>Analyze Liquid samples</b>	Yes, No
	<b>Analyze Solid samples</b>	Yes, No
	<b>Analyze Powder samples</b>	Yes, No
	<b>Analyze thin films on metals samples</b>	Yes, No
	<b>Analyze Gas samples</b>	Yes, No
SOFTWARE	<b>Customizable Report Template</b>	Yes, No
FTIR LIBRARIES	<b>FTIR Georgian Crime Library - inclusive in the scope of supply</b>	Yes, No
	<b>FTIR Canadian Forensic Library - inclusive in the scope of supply</b>	Yes, No
	<b>FTIR Sadler Drug Library - inclusive in the scope of supply</b>	Yes, No
	<b>FTIR Polymers &amp; Polymer additives Library, nclusive in the scope of supply</b>	Yes, No

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	<b>FTIR Surfactants Library, inclusive in the scope of supply</b>	Yes, No
	<b>FTIR Minerals &amp; inorganic Compounds Library, inclusive in the scope of supply</b>	Yes, No
	<b>FTIR Organic Compounds Library, inclusive in the scope of supply</b>	Yes, No
	<b>FTIR Drugs Library, inclusive in the scope of supply</b>	Yes, No
	<b>FTIR Adhesives &amp; Sealants Library, inclusive in the scope of supply</b>	Yes, No
	<b>FTIR Cosmetics &amp; Personal products Library, inclusive in the scope of supply</b>	Yes, No
ACCESSORIES	<b>Suitable Hydraulic Press 15 Ton for pellet/sample preparation - inclusive in the scope of supply</b>	Yes, No
	<b>Suitable Mortar and pestle - inclusive in the scope of supply</b>	Yes, No
	<b>Suitable Dies - inclusive in the scope of supply</b>	Yes, No
	<b>Suitable KBr set for Pellets - inclusive in the scope of supply</b>	Yes, No
	<b>KBr Powder - inclusive in the scope of supply</b>	Yes, No
	<b>Suitable Pellet holder - inclusive in the scope of supply</b>	Yes, No
	<b>Types of Suitable ATR - inclusive in the scope of supply</b>	Yes, No
	<b>ATR crystal - inclusive in the scope of supply</b>	Diamond, ZnSe, Germanium (Ge), NA
	<b>Suitable Universal liquid cell holder - inclusive in the scope of supply</b>	Yes, No
	<b>Suitable Dry Box - inclusive in the scope of supply</b>	Yes, No

<b>Specification</b>	<b>Specification Name/विशिष्टि का नाम</b>	<b>Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य</b>
	<b>Suitable Replacement dessicant (rechargeable) - inclusive in the scope of supply</b>	Yes, No
	<b>Suitable Liquid Cell Window - inclusive in the scope of supply</b>	Yes, No
	<b>Liquid Cell Window material</b>	KBr, ZnSe, CaF2, CsI, NaCl, KrS5, NA
	<b>Shape of the Cell Window</b>	Round, Rectangular, NA
	<b>Suitable Gas cell - inclusive in the scope of supply</b>	Yes, No
GENERIC	<b>FTIR and Sample compartment having provision for purging with gas</b>	Yes, No
	<b>FTIR provided with in-built air drier for humidity and vapour protection</b>	Yes, No
	<b>Connectivity</b>	USB, WIRELESS, WIFI, ETHERNET, Blue tooth, RS 232
OPERATING CONDITIONS	<b>Minimum Operating Temperature</b>	0, 5, 10, 20 ( <b>degree Celsius</b> )
	<b>Maximum Operating Temperature</b>	30, 40, 45, 50, 55, 60 ( <b>degree Celsius</b> )
	<b>Operating Humidity (RH) (%) at 40 degree C</b>	65, 70, 75, 80, 85, 90, 95 ( <b>percent</b> )
WARRANTY / AVAILABILITY OF SPARES / TRAINING	<b>Warranty on equipment</b>	1, 2, 3, 5 ( <b>year</b> )
	<b>Warranty on Source</b>	1, 2, 3, 5, 10 ( <b>year</b> )
	<b>Warranty on interferometer</b>	1, 2, 3, 5, 10 ( <b>year</b> )
	<b>Warranty on Laser</b>	1, 2, 3, 5, 10 ( <b>year</b> )
	<b>Onsite training</b>	5, 7, 10, 15 ( <b>day</b> )
CERTIFICATION	<b>Availability of UL/CE Certification as per EN 61010-1:2010 Safety requirements for electrical equipment for measurement, control, and laboratory use General requirements</b>	Yes, No
	<b>Conformance to EMC/EMI as per EN 61326-1:2013 Electrical equipment for measurement, control and laboratory use</b>	Yes, No

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	Availability of Test Reports from Central Govt / NABL approved / ILAC accredited Lab to prove conformity to the specification	Yes, No

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Arpan Maheshwari	247667,CBRI Roorkee - 247 667 Uttrakhand, INDIA	1	30

**Buyer Added Bid Specific Terms and Conditions/क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें**

**1. Generic**

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 % of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity up to 25% of the contracted quantity during the currency of the contract at the contracted rates. The delivery period of quantity shall commence from the last date of original delivery order and in cases where option clause is exercised during the extended delivery period the additional time shall commence from the last date of extended delivery period. The additional delivery time shall be  $(\text{Increased quantity} \div \text{Original quantity}) \times \text{Original delivery period (in days)}$ , subject to minimum of 30 days. If the original delivery period is less than 30 days, the additional time equals the original delivery period. The Purchaser may extend this calculated delivery duration up to the original delivery period while exercising the option clause. Bidders must comply with these terms.

**2. Scope of Supply**

Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods

**3. Turnover**

Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

#### 4. **Warranty**

Warranty period of the supplied products shall be 1 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

#### 5. **Certificates**

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

#### 6. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

**The bidder should have supplied regularly at least one equipment in last five years ,ending 31<sup>st</sup> march,2024 with the same or higher specifications or similar parameters.**

1. Warranty Shall Start From the date Of Acceptance of The Product.
2. Vendor Must Submit Manufacturer Authorization Form (MAF) to Participate in the Bid as per format attached.(Annexure 4)
3. Bidder must submit bid specific authorization from OEM for this particular bid. Generic authorization from OEM will be summarily Rejected.
4. The Technical specification uploaded as ATC if any, shall prevail over GEM parameter specification in case of any ambiguity.
5. Bid-Securing Declaration (In lieu of EMD) Form must be submitted as per format attached. (Annexure 2)
6. The OEM or Bidder should not quote product manufactured by country sharing land border with India as per extent GOI policy on subject matter.(Annexure 3)
7. Order is liable to be rejected in case of failure to submit PBG (as per annexure 5) within 21 days of award of contract, if applicable.
8. If the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as penalty, a sum equivalent to 0.5% of the delivered price of the delayed Goods or unperformed Services or contract value in case the delivered price of the delayed goods or unperformed services cannot be ascertained from the contract, for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of 10%. Once the maximum is reached, the Purchaser may consider termination of the Contract.

#### 7. **Buyer Added Bid Specific ATC**

Buyer uploaded ATC document [Click here to view the file.](#)

### **Disclaimer/अस्वीकरण**

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. If any clause(s) is / are incorporated by the Buyer regarding following, the bid and resultant contracts shall be treated as null and void and such bids may be cancelled by GeM at any stage of



bidding process without any notice:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process. (However, in bids for [attached categories](#), trials are allowed as per approved procurement policy of the buyer nodal Ministries)
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

**All GeM Sellers / Service Providers are mandated to ensure compliance with all the applicable laws / acts / rules including but not limited to all Labour Laws such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972 etc. Any non-compliance will be treated as breach of contract and Buyer may take suitable actions as per GeM Contract.**

[This Bid is also governed by the General Terms and Conditions/ यह बिड सामान्य शर्तों के अंतर्गत भी शासित है](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws./जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो।बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।

---Thank You/धन्यवाद---