



Bid Number/बोली क्रमांक (बिड संख्या):
GEM/2024/B/5734682
Dated/दिनांक : 20-12-2024

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	17-01-2025 17:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	17-01-2025 17:30:00
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	120 (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 Drug Research Institute
Total Quantity/कुल मात्रा	1
Item Category/मद केटेगरी	Fourier Transform Infra Red (FTIR) Spectrometer (Q2)
MSE Exemption for Years Of Experience/अनुभव के वर्षों से एमएसई छूट/ and Turnover/टर्नओवर के लिए एमएसई को छूट प्राप्त है	Yes
Startup Exemption for Years Of Experience/अनुभव के वर्षों से स्टार्टअप छूट/ and Turnover/ टर्नओवर के लिए स्टार्टअप को छूट प्राप्त है	Yes
Document required from seller/विक्रेता से मांगे गए दस्तावेज़	Bidder Turnover, Certificate (Requested in ATC), OEM Authorization Certificate, Additional Doc 1 (Requested in ATC) *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?/	Yes
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	No
Type of Bid/बिड का प्रकार	Two Packet Bid
Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	3 Days

Bid Details/बिड विवरण

Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
Evaluation Method/मूल्यांकन पद्धति	Total value wise evaluation
Arbitration Clause	No
Mediation Clause	Yes (Mediation clause document) as per DoE OM No.F.1/2/2024-PPD dated 03.06.2024 mediation clause should not be routinely included in contracts and pre-litigation mediation can be taken up without any such clause also

EMD Detail/ईएमडी विवरण

Required/आवश्यकता	No
-------------------	----

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).	62

(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 Drug Research Institute, Department of Scientific and Industrial Research (DSIR), Council of Scientific and Industrial Research (CSIR), Ministry of Science and Technology
(The Director, Cdri, Lucknow)

MII Purchase Preference/एमआईआई खरीद वरीयता

MII Purchase Preference/एमआईआई खरीद वरीयता	Yes
--	-----

MSE Purchase Preference/एमएसई खरीद वरीयता

MSE Purchase Preference/एमएसई खरीद वरीयता	Yes
---	-----

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. Preference to Make In India products (For bids > 200 Crore) (can also be used in Bids < 200 Crore but only after exemption by competent authority as defined in Deptt of Expenditure OM dated 28.5.2020): Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. 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.

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.

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

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

Technical Specifications/तकनीकी विशिष्टियाँ

* जेम केटेगरी विशिष्टि के अनुसार / As per GeM Category Specification

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
OPTICAL PERFORMANCE	Wavenumber- Maximum (Per cm)	7800
	Wavenumber - Minimum (Per cm)	350

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	Spectral (Wavenumber) Resolution (Per cm)	0.25, 0.5
	Spectral (Wave Number) Accuracy (Per cm) (+/-)	0.01, 0.1
	Beam Splitter	KBr
	Automatic beam splitter changeover for MIR to NIR or MIR to FIR without manual intervention	No
	Mirror Coating	Gold
	Peak to Peak Signal to Noise Ratio for 1 minute scan	50000:1 or more
DETECTOR	Detector Type	Deuterated L-Alanine doped Triglycine Sulphate (DLaTGS)
	Detector having temperature control	Yes
LIGHT SOURCE	Light Source	Mid IR Source
SAMPLE TYPE / ANALYSIS FACILITY	Analyze Liquid samples	Yes
	Analyze Solid samples	Yes
	Analyze Powder samples	Yes
	Analyze thin films on metals samples	Yes
	Analyze Gas samples	Yes
SOFTWARE	Customizable Report Template	Yes
FTIR LIBRARIES	FTIR Georgian Crime Library - inclusive in the scope of supply	Yes
	FTIR Canadian Forensic Library - inclusive in the scope of supply	Yes
	FTIR Sadler Drug Library - inclusive in the scope of supply	Yes
	FTIR Polymers & Polymer additives Library, nclusive in the scope of supply	Yes
	FTIR Surfactants Library, inclusive in the scope of supply	No

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

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	Suitable Liquid Cell Window - inclusive in the scope of supply	Yes
	Liquid Cell Window material	KBr
	Shape of the Cell Window	Rectangular
	Suitable Gas cell - inclusive in the scope of supply	Yes
GENERIC	FTIR and Sample compartment having provision for purging with gas	Yes
	FTIR provided with in-built air drier for humidity and vapour protection	Yes
	Connectivity	USB, WIRELESS, WIFI, ETHERNET, Blue tooth, RS 232
OPERATING CONDITIONS	Minimum Operating Temperature	10.0 (degree Celsius)
	Maximum Operating Temperature	40.0 (degree Celsius)
	Operating Humidity (RH) (%) at 40 degree C	85.0 (percent)
WARRANTY / AVAILABILITY OF SPARES / TRAINING	Warranty on equipment	3.0 (year)
	Warranty on Source	10.0 (year)
	Warranty on interferometer	10.0 (year)
	Warranty on Laser	10.0 (year)
	Onsite training	5.0 (day)
CERTIFICATION	Availability of UL/CE Certification as per EN 61010-1:2010 Safety requirements for electrical equipment for measurement, control, and laboratory use General requirements	Yes
	Conformance to EMC/EMI as per EN 61326-1:2013 Electrical equipment for measurement, control and laboratory use	Yes
	Availability of Test Reports from Central Govt / NABL approved / ILAC accredited Lab to prove conformity to the specification	No

Additional Specification Parameters - Fourier Transform Infra Red (FTIR) Spectrometer (1 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
Specification	Bidder must comply the specification attached in scope of supply and Text Based ATC. The Technical evaluation shall be done on the basis of text based ATC
Eligibility criteria	Bidder must submit Bid Securing Declaration as per attached format attached in Bid document (if not submit this declaration alongwith bid. The bid will be summarily rejected)

* Bidders offering must also comply with the additional specification parameters mentioned above.

Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्र

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्र	Delivery Days/डिलीवरी के दिन
1	Satyam Rathour	226031,CSIR-Central Drug Research Institute Sector 10, Jankipuram Extension, Sitapur Road,Lucknow 226031, Uttar Pradesh, INDIA	1	45

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 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

2. Generic

Manufacturer Authorization:Wherever Authorised Distributors/service providers are submitting the bid, Authorisation Form /Certificate with OEM/Original Service Provider details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid

3. Forms of EMD and PBG

Successful Bidder can submit the Performance Security in the form of Account Payee Demand Draft also (besides PBG which is allowed as per GeM GTC). DD should be made in favour of

The Director CDRI
payable at
Lucknow

. After award of contract, Successful Bidder can upload scanned copy of the DD in place of PBG and has to ensure delivery of hard copy to the original DD to the Buyer within 15 days of award of contract.

4. **Forms of EMD and PBG**

Successful Bidder can submit the Performance Security in the form of Fixed Deposit Receipt also (besides PBG which is allowed as per GeM GTC). FDR should be made out or pledged in the name of

The Director, CDRI, Lucknow

A/C (Name of the Seller). The bank should certify on it that the deposit can be withdrawn only on the demand or with the sanction of the pledgee. For release of Security Deposit, the FDR will be released in favour of bidder by the Buyer after making endorsement on the back of the FDR duly signed and stamped along with covering letter. Successful Bidder has to upload scanned copy of the FDR document in place of PBG and has to ensure delivery of hard copy of Original FDR to the Buyer within 15 days of award of contract.

5. **Scope of Supply**

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

6. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

Technical Specification

Fourier Transform Infra-Red Spectrophotometer with ATR

1. FT-IR

- **Interferometer:** Dynamically aligned/ Dyna Scan/Michelson Sealed and desiccated interferometer optical system.
- **Beam Splitter:** KBr beam splitter.
- **Wavelength Range:** 7800 – 350 cm^{-1} or better.
- **Spectral Resolution:** 0.5 cm^{-1} or better.
- **Source:** High intensity, Long life source covering entire MIR range.
- **Wavenumber Precision:** 0.01 cm^{-1} or better.
- **Wavenumber accuracy:** 0.1 cm^{-1} or better.
- **Signal to Noise Ratio:** 45,000:1 or better. (peak to peak at 4 cm^{-1} resolution and 1 minute scan)
- **Detector:** DTGS or DLaTGS detector.
- **Performance Verification:** NIST-traceable 1.5 MIL polystyrene film with 5 years validity

2. SOFTWARE

The Software should have:

- The software must be provided for seamless control of FTIR and ATR system.
- Atmospheric Vapour Compensation.
- Spectral Comparison.
- Multiple spectra handling.
- Reporting - Customized templates in doc or PDF
- Automatic accessory detection and performance verification.
- System must have a feature to take background automatically when idle to save time of analysis.
- Multi-component search for mixture analysis.
- Automated workflow creation.

- System must also support automatic background collection even while instrument is in idle conditions.

3. ATR

- System should be supplied with Diamond monolithic crystal with 5 year s warranty on diamond crystal and ATR module.

4. SPECTRAL LIBRARY

- System should be supplied with more than 30,000 spectra library including Organic, Inorganics, Solvents, Lab Standards, Drugs, Adhesive, rubber, pigments etc. and should be offered with proper part nos. Proper documents of the library must be enclosed.

5. COMPUTER

- Computer System: At least 16 GB RAM, 2 TB Hard Drive suitable PC with 27-inch monitor & laser printer to operate the instrument should be standard along with windows 10 platform or higher

6. ACCESSORIES

- Hydraulic press- 01
- Agate Mortar, pestle-01
- Die set-02
- Pallet holder-02
- Potassium Bromide Powder for IR & FTIR spectroscopy, 99.5% (1 Kg)
- UPS: A suitable online UPS at least 30 mins back up for the complete system should be provided.

7. WARRANTY

- Complete system must have 5 years warranty from the date of installation with ATR module and diamond monolithic crystal.
- At least 10 years on Laser, source and Interferometer including beam splitter.

8. TERMS AND CONDITIONS

- System must be manufacture in an ISO compliant factory and CE certification for the quoted FTIR instrument.
- System must be upgradeable with 21CFR software. IQOQ documents of the instrument in future. If required.
- OEM must have their authorized service center in India or consignee state location.
- OEM must have 24X7 online call center facility to log any service related issues, service escalation matrix to be also provided.

9. Undertaking must be submitted by the vender for 10-year availability of spare parts and service support for the quoted model.

10. After complete installation 5 x 2 days onsite training at CSIR-CDRI, Lucknow, according to user's requirement for application and preventive maintenance should be provided.

All the claims made by the vendors in terms of the above mentioned specifications should be validated by means of authenticated documentary evidence in the tender document being submitted by them. In the absence of authenticated documentary evidence (technical brochure, manual and OEM declaration with experimental evidence) available in the submitted tender, it may be considered as disqualified/cancelled.

A list of 3 references in India, where similar systems have been installed, must be provided and this will be taken very seriously while making the decision. Your post sales service feedback will be certainly a deciding factor.

Note:-

1. Bidder must submit Bid Securing Declaration as per attached format in Bid document (if not submitted along with bid, the bid will be summarily rejected)

2. The bidder has to give a confirmation that the spares for quoted item will be available for at least ten Years.

3. The bidder/manufacturer must have Three installations of similar equipment of equivalent specification. Bidder should attach PO and successful installation certificate along with the bid. MSEs/Startups will be exempted from past experience as per rule.

7. Buyer Added Bid Specific ATC

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

8. Service & Support

Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

9. Warranty

Over and above the normal Warranty terms as per GeM GTC, the successful bidder / OEM shall have to provide Comprehensive Warranty during the entire Standard warranty period as per contract. : The comprehensive warranty shall be covering the following scope

Five Year from the date of Installation, testing & commissioning
(Upload an undertaking with the bid confirming compliance by the bidder if Bidder is taking onus of this compliance. In case OEM is taking onus of this compliance, OEM undertaking is to be uploaded along with Bidder undertaking)

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.

[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---