

बिड दस्तावेज़ / Bid Document

बिड विवरण/Bid Details	
बिड बंद होने की तारीख/समय /Bid End Date/Time	17-10-2025 17:00:00
बिड खुलने की तारीख/समय /Bid Opening Date/Time	17-10-2025 17:30:00
बिड पेशकश वैधता (बंद होने की तारीख से)/Bid Offer Validity (From End Date)	180 (Days)
मंत्रालय/राज्य का नाम/Ministry/State Name	Ministry Of Chemicals And Fertilizers
विभाग का नाम/Department Name	Department Of Chemicals And Petrochemicals
संगठन का नाम/Organisation Name	Institute Of Pesticide Formulation Technology (ipft) Gurgaon Haryana
कार्यालय का नाम/Office Name	Sector-20, Udyog Vihar, Gurugram-122016
कुल मात्रा/Total Quantity	1
वस्तु श्रेणी /Item Category	FTIR With Microscope
GeMARPTS में खोजी गई स्ट्रिंग्स / Searched Strings used in GeMARPTS	FTIR with Microscope
GeMARPTS में खोजा गया परिणाम / Searched Result generated in GeMARPTS	DSLR Mounted Digital Microscope, Middle Stage Science Kit with Microscope (NCERT), FTIR MID and NEAR IR DUAL RANGE WITH ATR, Metallurgical Microscope, Sofas (V2), FTIR Technology based Milk Analyser, Secondary Stage Science Kit With Microscope (NCERT), High End Desktop Computer, Advance Polarization Microscope, Ophthalmic Operating Microscope (V2)
अधिसूचना के लिए चयनित प्रासंगिक श्रेणियाँ / Relevant Categories selected for notification	• FTIR Technology based Milk Analyser • FTIR MID and NEAR IR DUAL RANGE WITH ATR
बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का) /Minimum Average Annual Turnover of the bidder (For 3 Years)	62 Lakh (s)
मूल उपकरण निर्माता का औसत टर्नओवर (गत 3 वर्षों का)/OEM Average Turnover (Last 3 Years)	500 Lakh (s)
उन्हीं/समान सेवा के लिए अपेक्षित विगत अनुभव के वर्ष/Years of Past Experience Required for same/similar service	3 Year (s)
एमएसएमई के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है/MSE Exemption for Years of Experience and Turnover	No

बिड विवरण/Bid Details	
स्टार्टअप के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है /Startup Exemption for Years of Experience and Turnover	No
विक्रेता से मांगे गए दस्तावेज़/Document required from seller	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover,Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC),Additional Doc 3 (Requested in ATC),Additional Doc 4 (Requested in ATC),Compliance of BoQ specification and supporting document *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
क्या आप निविदाकारों द्वारा अपलोड किए गए दस्तावेज़ों को निविदा में भाग लेने वाले सभी निविदाकारों को दिखाना चाहते हैं? संदर्भ मेनू है/Do you want to show documents uploaded by bidders to all bidders participated in bid?	Yes (Documents submitted as part of a clarification or representation during the tender/bid process will also be displayed to other participated bidders after log in)
बिड लगाने की समय सीमा स्वतः नहीं बढ़ाने के लिए आवश्यक बिड की संख्या। / Minimum number of bids required to disable automatic bid extension	3
दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / Number of days for which Bid would be auto-extended	7
ऑटो एक्सटेंशन अधिकतम कितनी बार किया जाना है। / Number of Auto Extension count	1
विगत प्रदर्शन /Past Performance	80 %
बिड से रिवर्स नीलामी सक्रिय किया/Bid to RA enabled	No
क्रेता के लिए उपलब्ध आईटीसी/ITC available to buyer	Yes
बिड का प्रकार/Type of Bid	Two Packet Bid
तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय /Time allowed for Technical Clarifications during technical evaluation	3 Days
निरीक्षण आवश्यक (सूचीबद्ध निरीक्षण प्राधिकरण /जेम के साथ पूर्व पंजीकृत एजेंसियों द्वारा)/Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
मूल्यांकन पद्धति/Evaluation Method	Total value wise evaluation
वित्तीय दस्तावेज की आवश्यकता है / Financial Document Required	Yes
मध्यस्थता खंड/Arbitration Clause	No

बिड विवरण/Bid Details**सुलह खंड/Mediation Clause**

No

ईएमडी विवरण/EMD Detail**एडवाइजरी बैंक/Advisory Bank**

State Bank of India

ईएमडी राशि/EMD Amount

250000

ईपीबीजी विवरण /ePBG Detail**एडवाइजरी बैंक/Advisory Bank**

State Bank of India

ईपीबीजी प्रतिशत (%) /ePBG Percentage(%)

5.00

ईपीबीजी की आवश्यक अवधि (माह) /Duration of ePBG required (Months).

62

(a). जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित कैटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज प्रस्तुत करने हैं। एमएसई कैटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।/EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

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

लाभार्थी /Beneficiary :

Director, IPFT

Institute of Pesticide Formulation Technology (IPFT), Department of Chemicals and Petrochemicals, Ministry of Chemicals and Fertilizers, Sector-20, Udyog Vihar, Gurugram-122016, Haryana, (Institute Of Pesticide Formulation Technology)

बोली विभाजन लागू नहीं किया गया/ Bid splitting not applied.

एमआईआई खरीद वरीयता/MII Purchase Preference**एमआईआई खरीद वरीयता/MII Purchase Preference**

Yes

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

Yes

1. 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.

2. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM of the product offered in the bid {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts and delivery acceptance certificates like CRAC to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

3. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product 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 OEM 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. Preference to Make In India products (For bids < 200 Crore): 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. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .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.

5. 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.

6. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 80% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

If the buyer has mentioned MSE purchase preference in ATC then service provider is required to upload necessary documents for MSE purchase preference for verification by the buyer during evaluation.

Pre Bid Detail(s)

मूल्य भिन्नता खंड दस्तावेज़/Pre-Bid Date and Time	प्री-बिड स्थान/Pre-Bid Venue
30-09-2025 14:00:00	Institute of Pesticide Formulation Technology Sector-20, Udyog Vihar , Gurugram, Haryana

FTIR With Microscope (1 set)

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

तकनीकी विशिष्टियाँ /Technical Specifications

क्रेता विशिष्टि दस्तावेज़ /Buyer Specification Document	Download
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इनपुट कर क्रेडिट(आईटीसी) तथा रिवर्स चार्ज (आरसीएम)/Input Tax Credit(ITC) and Reverse Charge(RCM) Details

जीएसटी पर इनपुट कर क्रेडिट /ITC on GST	जीएसटी उपकर कर क्रेडिट /ITC on GST Cess
100%	100%

प्रेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.N o.	प्रेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Sudeep Mishra	122016, Sector-20, Udyog Vihar, Opp. Ambience Mall	1	60

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

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 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. Generic

Actual delivery (and Installation & Commissioning (if covered in scope of supply)) is to be done at following address

Institute of Pesticide Formulation Technology
Sector-20
Udyog Vihar -III
Gurugram 122016
Haryana

3. **Generic**

Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.

4. **Generic**

Bidder shall submit the following documents along with their bid for Vendor Code Creation:

- a. Copy of PAN Card.
- b. Copy of GSTIN.
- c. Copy of Cancelled Cheque.
- d. Copy of EFT Mandate duly certified by Bank.

5. **Generic**

End User Certificate: Wherever Bidders are insisting for End User Certificate from the Buyer, same shall be provided in Buyer's standard format only.

6. **Generic**

Experience Criteria: The Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU for 3 years before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the primary product having highest value should meet this criterion.

7. **Generic**

For hazardous chemical/item, all precautionary measure as per regulation from the point of transportation/ handling/ storage/ safety/ health/ environment to be undertaken/ specified before dispatch. During dispatch, proper symbol for the hazard/ MSDS/ Batch No./ date of manufacturing/ Gross Weight/ Net Weight/ shelf Life etc are to be written/ printed/ pasted on the body of the packing.

8. **Generic**

Installation, Commissioning, Testing, Configuration, Training (if any - which ever is applicable as per scope of supply) is to be carried out by OEM / OEM Certified resource or OEM authorised Reseller.

9. **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

10. **Generic**

Scope of supply includes Training: Number of employees to be trained

5

, Place for Training
Institute of Pesticide Formulation Technology

and Duration of training
5
days.

11. Generic

Supplier shall ensure that the Invoice is raised in the name of Consignee with GSTIN of Consignee only.

12. Generic

While generating invoice in GeM portal, the seller must upload scanned copy of GST invoice and the screenshot of GST portal confirming payment of GST.

13. 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.

14. Turnover

OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product 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 OEM 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. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.

15. Warranty

Warranty period of the supplied products shall be 5 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.

16. Warranty

Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 5 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG). Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.

17. Forms of EMD and PBG

Bidders can also submit the EMD with Account Payee Demand Draft in favour of

Institute of Pesticide Formulation Technology
payable at
Gurugram

Bidder has to upload scanned copy / proof of the DD along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.

18. Forms of EMD and PBG

Bidders can also submit the EMD with Fixed Deposit Receipt made out or pledged in the name of A/C

Institute of Pesticide Formulation Technology

. 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 EMD, the FDR will be released in the favour of the bidder by the Buyer after making endorsement on the back of the FDR duly signed and stamped along with covering letter. Bidder has to upload scanned copy/ proof of the FDR along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date/ Bid Opening date

19. Forms of EMD and PBG

Bidders can also submit the EMD with Banker's Cheque in favour of

Institute of Pesticide Formulation Technology

payable at
Gurugram

Bidder has to upload scanned copy / proof of the BC along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.

20. 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

Institute of Pesticide Formulation Technology

payable at
Gurugram

. 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.

21. 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.

22. Past Project Experience

Proof for Past Experience and Project Experience clause: For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria:a. Contract copy along with Invoice(s) with self-certification by the bidder that service/supplies against the invoices have been executed.b. Execution certificate by client with contract value.c. Any other document in support of contract execution like Third Party Inspection release note, etc.**Proof for Past Experience and Project Experience clause:** For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria:a. Contract copy along with Invoice(s) with self-certification by the bidder that service/supplies against the invoices have been executed.b. Execution certificate by client with contract value.c. Any other document in support of contract execution like Third Party Inspection release note, etc.

23. Past Project Experience

The Bidder / OEM {themselves or through reseller(s)}, should have executed project for supply and installation / commissioning of same or similar Category Products during preceding 3 financial years (i.e. current year and three previous financial years) as on opening of bid, as per following criteria:

- (i) Single order of at least 35% of estimated bid value; or
- (ii) Two orders of at least 20% each of estimated bid value; or
- (iii) Three orders of at least 15% each of estimated bid value.

Satisfactory Performance certificate issued by respective Buyer Organization for the above Orders should

be uploaded with bid. In case of bunch bids, the Category related to primary product having highest bid value should meet this criterion

24. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

21 CFR, Part-11, Compliance with Audit trail and E-Signature

अस्वीकरण/Disclaimer

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.
15. Buyer added ATC Clauses which are in contravention of clauses defined by buyer in system generated bid template as indicated above in the Bid Details section, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by GeM GTC.
16. In a category based bid, adding additional items, through buyer added additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogs or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

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.

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

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 कार्यवाई का आधार होगा।/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.

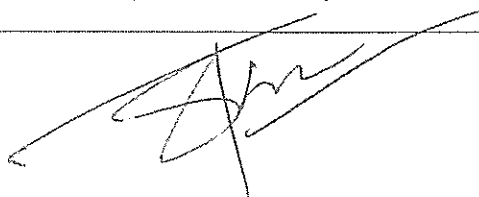
---धन्यवाद/Thank You---

Technical Specification of Fourier-transform infrared Spectroscopy (FTIR) attached with IR Microscope

Sl.No.	Technical specifications
1	Source The system should contain high-intensity ceramic/globar source
2	The instrument must be equipped with the necessary internal plumbing and external connector for optional purge operation.
3	The system should have multi measurement modes of transmittance, reflectance and ATR. The necessary accessories should be provided
4	Laser • The spectrometer must include a helium neon/ diode laser reference source with minimum 5 years of warranty. • Replacement of the laser must be done without exposing the optics of the instrument to the environment
5	The system should contain standard wave number measurement range 7,800 – 350 cm^{-1}
6	The system should have resolution 0.1 cm^{-1} or better
7	Interferometer <u>The Interferometer should cover Michelson design with dynamically/fixed aligned structure with high-accuracy Au/Al coating mirror</u>
8	System should be provided with KBr/ germanium beam splitter with spectral range of 7800-350 cm^{-1}
9	• The system should have provision for the interferometer must permit insertion of a wide range of beam splitters for the future upgradation facility • Beam splitters must be available for the instrument to cover the spectral range from 11000–30 cm^{-1} or better
10	• The instrument must be capable of at 55,000:1 peak to peak signal to noise, measured at 4 cm^{-1}
11	Detectors The system should contain detector DLaTGS (with Peltier temperature control)

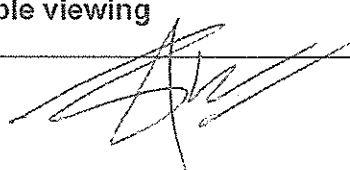
④

12	• The system should have automatically controlled purge interferometer sample compartment or detector • The system should include options of step, scan and dual-channel detector
13	• The spectrometer must support an optional sample compartment of FT-Raman with internal positioning stage and video capture capabilities. • The spectrometer must support optional external or internal NIR modules GC-IR and sample compartment TGA accessory modules.
14	Performance verification and validation • The spectrometer must include a motorized validation wheel. • The wheel must provide beam attenuation screens for high sensitivity detectors, NG-11 glass for detector linearity test and NIST-traceable polystyrene film. • The validation wheel must be serialized and labeled with expiration date information
15	• The system should be provided with compact temperature circulator, suitable for the temperature regulation (Temperature range: 5°C to 95°C or better) of measurement accessories. The thermostat can be controlled by the software. For both transmission (ZnSe or better) and ATR (Diamond crystal or better) modes. • Software should allow advanced studies with changing temperature. • Cell holder jacket with flow adapter should be provided for temperature-controlled studies.
16	Accessory for Protein Analysis • The system should be able to handle solids, liquid/aqueous (for buffers) and gaseous samples (necessary accessories should be provided like cell holders, pellet holder, pellet die, presser, mortar and pestle) for qualitative and quantitative applications. The suitable kits/reagents for cleaning the cells should also be supplied • The other accessories for sample like cells of NaCl and CaF₂ demountable cells (2 no each) with various spacers which are suitable for biosimilars and micro plastics analysis should be provided.



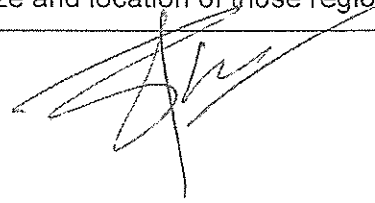
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17	Software • Protein analysis software must be used for data management and analysis, interpretation, and analysis of proteins • It should have transmission database of known protein structures. • The software should include calibrations for protein concentration and secondary structure of proteins like alpha-helix, beta-sheet <i>etc.</i> Using this internal calibration, the system automatically should determine the secondary structure and the protein concentration of each measurement performed with the protein transmission cell. • It should have options for automated buffer subtraction, side chain analysis, deconvolution, derivatives, formulation analysis, factor analysis and protein secondary structural analysis and prediction.
18	Detector • FTIR microscopy system must have MCT detector with spectral range of 7,800–650 cm^{-1} or better. • Two 15 L liquid nitrogen dewar to fill MCT detector must be provided.
19	Aperture should be fully automated (vertical/horizontal) adjustment and angle of rotation
20	• Bi/Tri nocular (camera and eyepieces) or better should be provided • Video camera should be provided with 3 megapixel or better configuration. • 30 microns or better visual spatial resolution via the camera or eyepieces should be achieved to see the smallest details clearly
21	• Illumination: bright, LED illumination (with auto brightness function) for reflection or transmission, and aperture image on sample
22	Objectives and condenser • Multiple objectives capability (up to 4) with automatic revolver • Should include objective and condenser cassegrain (any two equivalent should be provided) (15x/16x,4x or better or equivalent)
23	Sample viewing



3

	• Real-time preview and library search during scanning through sample and analyzing on the fly • Immediate feedback should be provided by camera view with live video during set up and data collection • No obscuration due to aperture; full view of sample during data collection, mosaic views, image capture • System must have option of auto-focus and auto-illumination
24	• System should be capable of automated insertion and rotation of visible and IR polarizer and analyzer in transmission and reflection modes (including ATR for IR polarizers) • System should be capable of differential interference contrast optics for contrast enhancement
25	Stage • System must be provided with motorized stage capable of automated analysis of sample with 30 mm or better sample thickness capacity, 5 kg loading.
26	• Signal to noise ratio: 8,000:1 minimum or better (100 x 100 micron aperture, transmission mode)
27	• Standards for Microscopy: NIST traceable, serialized polystyrene standards for transmission, reflection and ATR must be provided.
28	Software • Software should control the motorized stage for experimental setup, automated stage ejection, insert and position to the reference point. • It should automatically recognize the background reference points for transmission and reflection during data collection or analysis. • Must have facility for principle component application, multivariate curve resolution, image processing using different profiles like peak area, peak height etc. • Must have facility for image driven analysis and consideration of varying aperture as per different sizes of particles. Software must assist in recognition of size and location of those regions during analysis.



	• Particle size analysis including counting number of particles along with IR spectra • Size and locations of identified regions should be used to position the specimen to align each region with an aperture and so to set the aperture to a size appropriate for collecting a spectrum from a region of interest. • Software should have automated mixture analysis software for chemical identification of unknown sample especially multiple component sample by a completely automated way and report best possible spectral matches using spectral libraries. • Software should have facility to perform analysis in automated way. Example: identification of particles of different size and adjusting the aperture accordingly before spectral acquisition • Software should have facility to control the instrument and generate raw data • Advanced spectral processing features such as deconvolution / peak resolve, derivative, grouping of spectra etc. must be available. • Advanced chemometric algorithms such as PCA, PLSDA analysis, etc. must be available for method development and analysis. • Automatic atmospheric suppression • Advanced ATR correction • Search with high resolution library format capability • Electronic reporting functions • Multiple tabs for handling data sets and processing/analysis • Fully customizable micro particles analysis workflow
29	• Additional licensed libraries for proteins and polymer including micro plastic analysis should be provided
30	• A suitable micro particle analysis kit should be offered. It must include minimum 50 Si substrates (filters and gaskets), filtration assembly, tweezers, roller knife, cutting blades, KBr window. • Universal sample holder for microscopy application should be provided.
31	The system should have software for automatic control of the instrument and its accessories including the processing of the data acquired. The quoted software should meet the requirements of 21 CFR part 11 compliance software. The

	supplier should perform the IQ, OQ and PQ service and provide documentation for the whole system during the installation.
32	Two suitable branded desktop PC should be provided. Specification: Intel ultra core 9 Processor or latest, Wireless Keyboard and Mouse, 64 GB RAM; 64 bit, 2 TB SSD and 26" Flat Panel Widescreen Monitor with licensed latest MS office and licensed latest windows operating system. One PC is used for online sample analysis and data interpretation; and another PC is dedicated for offline data interpretation (both the PC should be installed with licensed software)
33	One laser jet printer with auto duplex printing, scan and copy modes should be provided along with the computer. All other suitable ports to connect the PC with the system should be provided.
34	The supplier should provide the service commitment with a span time of not more than 48 hours to attend any service issues including maintenance
35	The system with all quoted accessories should have 5 years' comprehensive warranty to replace any damaged parts in the instrument including instrument related consumables during the warranty period. The comprehensive warranty should include preventive maintenance kits and the service engineer/manufacturer should be performed atleast twice in a year.
36	The vendor should provide the training to the users about the operation, maintenance, and application aspects of the quoted model during installation and till warranty period.

