

बिड दस्तावेज़ / Bid Document

बिड विवरण / Bid Details	
बिड बंद होने की तारीख/समय / Bid End Date/Time	03-10-2025 18:00:00
बिड खुलने की तारीख/समय / Bid Opening Date/Time	03-10-2025 18:30:00
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	Powdered XRD
GeMARPTS में खोजी गई स्ट्रिंग्स / Searched Strings used in GeMARPTS	Powdered XRD
GeMARPTS में खोजा गया परिणाम / Searched Result generated in GeMARPTS	X-Ray Diffractometer (XRD), Portable Fire Extinguishers (V2) as per IS 15683:2018, Squeegee Washer Wiper Mopper (V2), Absorbable Hemostat (V2), Garden Bench, Classroom Stools, Battery-Powered Electronic Clock, Emergency Foldable Rescue Stretcher, Chilly as per IS 2322, Household Laundry Detergent Powders as per IS 4955
अधिसूचना के लिए चयनित प्रासंगिक श्रेणियाँ / Relevant Categories selected for notification	- X-Ray Diffractometer (XRD) - Battery-Powered Electronic Clock
बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का) / Minimum Average Annual Turnover of the bidder (For 3 Years)	50 Lakh (s)
मूल उपकरण निर्माता का औसत टर्नओवर (गत 3 वर्षों का) / OEM Average Turnover (Last 3 Years)	400 Lakh (s)
उन्हीं/समान सेवा के लिए अपेक्षित विगत अनुभव के वर्ष / Years of Past Experience Required for same/similar service	3 Year (s)
वर्षों के अनुभव एवं टर्नओवर से एमएसई को छूट प्राप्त है / MSE Exemption for Years Of Experience and Turnover	Yes Complete

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	Yes Complete
चिक्रेता 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
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
सुलह खंड/ Mediation Clause	No

ईएमडी विवरण/EMD Detail

एडवाइजरी बैंक/Advisory Bank	State Bank of India
ईएमडी राशि/EMD Amount	200000

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

विभाजन/Splitting

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

एमएसई खरीद वरीयता/MSE Purchase Preference

एमएसई खरीद वरीयता/MSE Purchase Preference	No
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एमएसई के लिए सक्षम प्राधिकारी का विवरण:/Details of the Competent Authority for MSE

सक्षम प्राधिकारी का नाम/Name of Competent Authority	Dr. Mohana Krishna Reddy Mudiam
सक्षम प्राधिकारी का पदनाम/Designation of Competent Authority	Director
सक्षम प्राधिकारी का कार्यालय/विभाग/प्रभाग/Office / Department / Division of Competent Authority	IPFT
सीए अनुमोदन संख्या/CA Approval Number	CP-55

सक्षम प्राधिकारी अनुमोदन तिथि/Competent Authority Approval Date	09-09-2025
सक्षम प्राधिकारी द्वारा प्रदान की गई स्वीकृति का संक्षिप्त विवरण/Brief Description of the Approval Granted by Competent Authority	Approval for floating tender with exemption of MII & MSE Conditions has been granted by the Competent Authority.

Competent Authority Approval for not opting Micro and Small Enterprises Preference : [View Document](#)

एमआईआई खरीद वरीयता/MII Purchase Preference

एमआईआई खरीद वरीयता/MII Purchase Preference	No
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एमआईआई के लिए सक्षम प्राधिकारी का विवरण:/Details of the Competent Authority for MII

सक्षम प्राधिकारी का नाम/Name of Competent Authority	Dr. Mohana Krishna Reddy Mudiam
सक्षम प्राधिकारी का पदनाम/Designation of Competent Authority	Director, IPFT
सक्षम प्राधिकारी का कार्यालय/विभाग/प्रभाग/Office / Department / Division of Competent Authority	IPFT
सीए अनुमोदन संख्या/CA Approval Number	CP-55
सक्षम प्राधिकारी अनुमोदन तिथि/Competent Authority Approval Date	09-09-2025
सक्षम प्राधिकारी द्वारा प्रदान की गई स्वीकृति का संक्षिप्त विवरण/Brief Description of the Approval Granted by Competent Authority	Approval for floating tender with exemption of MII & MSE Conditions has been granted by the Competent Authority.

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

1. If the bidder is a Micro or Small Enterprise as per latest orders issued by Ministry of MSME, the bidder shall be exempted from the eligibility criteria of "Experience Criteria" as defined above subject to meeting of quality and technical specifications. The bidder seeking exemption from Experience Criteria, shall upload the supporting documents to prove his eligibility for exemption.
2. If the bidder is a Micro or Small Enterprise (MSE) as per latest orders issued by Ministry of MSME, the bidder shall be exempted from the eligibility criteria of "Bidder Turnover" as defined above subject to meeting of quality and technical specifications. If the bidder itself is MSE OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. The bidder seeking exemption from Turnover, shall upload the supporting documents to prove his eligibility for exemption.
3. If the bidder is a DPIIT registered Startup, the bidder shall be exempted from the the eligibility criteria of "Experience Criteria" as defined above subject to their meeting of quality and technical specifications. The bidder seeking exemption from Experience Criteria, shall upload the supporting documents to prove his eligibility for exemption.
4. If the bidder is a DPIIT registered Startup, the bidder shall be exempted from the the eligibility criteria of "Bidder Turnover" as defined above subject to their meeting of quality and technical specifications. If the bidder is DPIIT Registered OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. The bidder seeking exemption from Turnover shall upload the supporting documents to prove his eligibility for exemption.
5. 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.

6. 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.

7. 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.

8. 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.

Pre Bid Detail(s)

मूल्य गिन्नता खंड दस्तावेज़/Pre-Bid Date and Time	प्री-बिड स्थान/Pre-Bid Venue
18-09-2025 12:00:00	INSTITUTE OF PESTICIDE FORMULATION TECHNOLOGY, Sector - 20 Udyog Vihar, on NH-8, Opp. Ambience Mall, Gurugram-122016, Haryana

Powdered XRD (1 set)

तकनीकी विशिष्टियाँ /Technical Specifications

क्रेता विशिष्टि दस्तावेज़ /Buyer Specification Document	Download
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परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.N o.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Nusrat	122016, Sector-20, Udyog Vihar, Opp. Ambience Mall	1	120

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
NH-8, Opp. Ambience Mall
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

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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

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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

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. The bank should certify on it that the deposit can be withdrawn only on the demand or with the sanction of the pledger. 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

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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

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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 कार्रवाई 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 specifications for High Resolution Bench Top powder X-ray diffractometer (PXRD) with 21 CFR Part 11 compliance software

Powder X-ray diffractometer (PXRD): The offered bench-top model XRD system (Bragg-Brentano/Reflection geometry) should be the latest State-of-the-art technology (hardware, electronics, software) plug & play type, ideally suited for multi-tasking and multi-applications which can be easily configured for all powder diffraction applications, including phase identification, and quantitative phase analysis. The XRD System should have the features of auto recognition of components right from source to detector and fail safe operation to meet various applications.

Detailed specifications

S No.	Components	
1.	Mounting:	Bench-top system for dedicated use in an R & D laboratory/institute
2.	Alignment Guarantee of the instrument:	The accuracy of each peak position should be equal or better than $\pm 0.01^\circ$ 2Theta over the whole angular range with NIST certified reference material which should be supplied along with the XRD system and the same has to be documented vide a booklet while being tested before delivery and reproduced after installation at our site.
3.	X Ray generator:	X-ray generator of 600W (or more) continuous rated output with high stability and suitability to Indian power Supply rating without use of any additional accessory. The minimum specifications : High voltage: 40 kV with increments possible of 1 kV Current: 15 mA with increments possible of 1 mA X Ray tube cooling system: internal water/ air cooling without any external chiller
4.	X-ray Tube:	Copper, long fine focus, ceramic insulation, ≥ 1.8 kW.
5.	Goniometer:	Theta-theta geometry, keeping the sample stage horizontal. The vertical positioned goniometer should be highly-accurate and high-precision type goniometer for the Theta and 2Theta circles with sample position in horizontal position. The goniometer and the components on beam paths including the sample stage should be clearly visible to the user through the transparent glass door. Angular range: 0° to 140° or wider Accuracy: 0.02° or better Reproducibility: 0.001° or better Step Size : 0.005° or better Maximum angular speed: $10^\circ/\text{s}$ - $20^\circ/\text{s}$ or better The XRD system should be able collect low angle 2θ data from 0.5° onwards with low background.

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6.	Primary Optics	The Divergent slit optics should be computer controlled to keep the irradiated area on the sample surface constant with possibility of between 1 to 20 mm and with openings of 0.05° to 4.0° or better. Soller Slits : Set of Soller slits of 2.5° or its equivalent and 1.6° or its equivalent Std. and for the offered detector to be offered Cu Absorbers: Required Cu absorbers to be offered to suit the offered radiation and detector. Fixed air scatter screen with manually adjustable height position on the sample to reduce the background.
7.	Secondary Optics	The antiscatter slits in the diffracted beam side should be computer controlled slit with openings of 0.3° to 2.5 ° or better under fixed mode for each / various measurements. Cu Absorbers: Required Cu absorbers to be offered to suit the offered radiation and detector. Suitable Ni k-beta filter for Copper radiation.
8.	Sample Stage	Rotatable Sample stage with software controlled feature to vary the rotation speed of the sample during measurements Necessary auto loading station configured at least for 6 samples or more
9.	Sample holders	Front loading sample holder: PMMA/steel holders:15 Nos. Silicon low background sample holder with groove (cavity type) for small amount of sample (50-100 mg): 2 No. Silicon low background sample holder with polished surfaces (flat type) for very small amount of sample (5-10 mg): 2 No. Fluorescent disc for positioning the x-ray beam & standard samples for checking the accuracy of the peak position within $\pm 0.01^\circ$ 2θ linearity range over the entire goniometer angular range, must be supplied and demonstrated at the time of installation.
10.	Detector	Type: Ultrafast solid state Silicon strip/pixel detector. Mode of working/data collection:1D Number of active & usable strips/channels for XRD data collection: >160 Global Count rate: $>10^9$ cps Filtering of fluorescence through detector using appropriate energy discriminator, with energy resolution for Copper radiation without using any additional optic. Efficiency for Cu $k\alpha$: $\geq 99\%$

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		The detector must allow to collect high quality data 1 D starting at angles as low as $0.5^\circ 2\theta$ or better.
11.	Resolution	Achievable peak resolution/ peak width: $<0.03^\circ 2\theta$. This should be demonstrated at the time of Installation with Standard sample.
12.	Desktop PC	Data analysis system: Desktop PC OPERATING SYSTEM with latest configuration and minimum 27inch monitor to be supplied along the XRD system from works. Additional Computer for offline data processing and report generation for publication Desktop-PC configuration: Branded PC with latest configuration CPU, i7 processor, 64-bit Operating System with latest windows OS, min 2TB HDD/SDD, ~32 GB RAM, compatible Intel mother board, High end Graphics, 24 x DVD RW. Printer: Latest Branded laser Jet duplex black & white printer compatible with instrument PC system offered
13.	System software and data analysis system	Licensed software with peak search match, background subtraction, data smoothing, K alpha 2 separation/ elimination, qualitative phase analysis, crystallite size determination, % crystallinity, standard less quantitative analysis based on Rietveld refinement , support to reference data base such as PDF from ICDD, Crystal Open Database (COD) etc. data availability and export in standard & ASCII/ CSV format. Data Analysis system: Factory tested PC system with 27" monitor for data collection and report generation. The data collection and evaluation software with stringent license protection, should be 21 CFR Part 11 compliant for regulated environment with operations in data base mode on a SQL platform or better, providing and guarantying authenticity, integrity and confidentiality of electronic records and electronic signatures which must include : • Secure system log-ins • Automatic audit trail generation • Electronic signatures with reports and data • Network security with either Windows 7 or 8 (32 Bit or 64 Bit, respectively) or better. • Tamperproof data with the ability to discern invalid or altered records The offered software package should be the latest version release (which shall be verified from our end) and should be capable of server configuration. The report generation should not involve copying and pasting

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		operations but should be able to take out a direct report with possibilities of configuring different templates with required measurement parameters. A "White Paper" documentation detailing how the software meets the requirements of the 21 CFR Part 11 regulation should be a part of the scope.
14.	Safety	Emergency Stop: through push button. X-Ray Safety: $\leq 1\mu\text{Sv/h}$ at 10cm distance from the outside surface of the enclosure. The quoted XRD system must be having NOC from AERB.
15.	Power	180-240 V, 50Hz, single phase.
16.	UPS	Suitable UPS system should be quote which provide minimum 30min backup.
17.	Warranty	3-5 year comprehensive factory warranty on complete supplied system including X-ray tube, Optics, Goniometer, and detector.
18.	Installation and training	Installation and commissioning: at site. Training: Two to three days on-site training on instrument operation, application and routine maintenance.
19.	Additional details	Vendor should furnish recent orders for the similar configuration of the equipment with PO copies Vendor should provide the service support details

Noted