



Bid Number/बोली क्रमांक (बिड संख्या):
GEM/2023/B/3868580
Dated/दिनांक : 02-09-2023

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	19-09-2023 15:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	19-09-2023 15:30:00
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 Finance
Department Name/विभाग का नाम	Department Of Economic Affairs
Organisation Name/संगठन का नाम	Security Printing And Minting Corporation Of India Limited (spmci)
Office Name/कार्यालय का नाम	Janpath
Total Quantity/कुल मात्रा	1
Item Category/मद केटेगरी	SITC of APM heating element based Muffle Furnace (Q3)
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	Certificate (Requested in ATC),OEM Authorization Certificate,Additional Doc 1 (Requested in ATC),Additional Doc 2 (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
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	7 Days
Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No

Bid Details/बिड विवरण

Evaluation Method/मूल्यांकन पद्धति	Total value wise evaluation
Financial Document Required/वित्तीय दस्तावेज की आवश्यकता है।	Yes

EMD Detail/ईएमडी विवरण

Advisory Bank/एडवाइजरी बैंक	State Bank of India
EMD Amount/ईएमडी राशि	67000

ePBG Detail/ईपीबीजी विवरण

Advisory Bank/एडवाइजरी बैंक	State Bank of India
ePBG Percentage(%) / ईपीबीजी प्रतिशत (%)	10.00
Duration of ePBG required (Months) / ईपीबीजी की अपेक्षित अवधि (महीने).	19

(a). 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./जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित केटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज प्रस्तुत करने हैं। एमएसई केटेगरी 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।

(b). 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 :

CGM
India Govt. Mint, Alipore, Kolkata- 700053
(The Chief General Manager)

Splitting/विभाजन

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

MII Purchase Preference/एमआईआई खरीद वरीयता

MII Purchase Preference/एमआईआई खरीद वरीयता	Yes
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MSE Purchase Preference/एमएसई खरीद वरीयता

MSE Purchase Preference/एमएसई खरीद वरीयता	Yes
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1. If the bidder is a Micro or Small Enterprise as per latest definitions under MSME rules, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.

2. If the bidder is a Startup, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to their meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.

3. 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.

4. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs 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 the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. 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. 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 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.

SITC Of APM Heating Element Based Muffle Furnace (1 set)

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

Technical Specifications/तकनीकी विशिष्टियाँ

Buyer Specification Document/क्रेता विशिष्टि दस्तावेज़	Download
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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	Mr.Sugata Bandyopadhyay	700053,India Govt Mint, Alipore Kolkata , West Bengal	1	150

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

Bidder financial standing: The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.

3. Generic

Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:

- The Seller fails to comply with any material term of the Contract.
- The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
- The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
- The Seller becomes bankrupt or goes into liquidation.
- The Seller makes a general assignment for the benefit of creditors.
- A receiver is appointed for any substantial property owned by the Seller.
- The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.

4. 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.

5. Forms of EMD and PBG

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

India Govt. Mint, Kolkata (A Unit of SPMCIL)
payable at
at Kolkata

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.

6. 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

(Name of the Buyer). 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

7. **Forms of EMD and PBG**

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

India Govt. Mint, Kolkata (A Unit of SPMCIL)
payable at
kolkata

. 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.

8. **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

India Govt. Mint, Kolkata (A Unit of SPMCIL)
payable at
Kolkata

. 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.

9. **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

India Govt. Mint, Kolkata (A Unit of SPMCIL)
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.

10. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

1. Eligible Goods and Services (Origin of Goods & Services):

(i) All goods and services to be supplied and provided for the contract shall have the origin in India or in the countries with which the Government of India has trade relations.

(ii) The word "origin" incorporated in this clause means the place from where the goods are mined, cultivated, grown, manufactured, produced or processed or from where the service are arranged.

2. Special Condition: Supplier should file the returns pertaining to TCS (Section 206C (1H) for TCS collected, in the time and provide the TCS certificate to IGMK. In case of any Credit loss to IGMK by way of their failure to file Returns and provide TCS certificate in time, India Government Mint, Kolkata reserves the right to recover the amount equivalent to TCS paid along with applicable interest from the payment of further supplies.

3. GST Return:

Supplier should file the GST return for outward supplies in time. In case of any loss to India Government Mint, Kolkata by way of their failure to file GST Returns in time India Government Mint, Kolkata reserves the right to withhold the payment of further supplies till production of evidence. Any liability which will occurred on account of non-compliance of e-way bill, GST provision or any other applicable law will be borne by s

To be borne by the supplier duly unloaded at the work site of the purchaser.

9. Packing:

Machines should be suitably packed. The packing should be weather proof and should be made water proof to prevent damage during transit. The supplier will also be responsible for unloading and stacking at India Government Mint, Kolkata Store as per instruction of competent authority.

10. Insurance:

The supplier shall make arrangements for insuring the goods against loss or damage, incidental to manufacture or acquisition, transportation, storage and delivery. The Supplier shall be responsible till the entire goods contracted for arrive in good condition at destination. The transit risk in this respect shall be covered by the supplier by getting the goods duly insured. The insurance cover shall be obtained by the supplier in its own name not in the name of India Government Mint, Kolkata or its consignee.

11. Quantum of LD:

If the supplier fails to deliver any or all of the machines or fails to perform the services within the time frame(s) incorporated in the contract(for both with respect to delivery of machine as well as Installation, commission, training and Final Acceptance Test (FAT) as mentioned in delivery schedule), India Govt. Mint, Kolkata shall, without prejudice to other rights and remedies available to India Govt. Mint, Kolkata under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to the 0.5 % of the delivered price of the delayed machines and/ or services for each week of delay or part thereof until actual delivery or performance, subject to a maximum deduction of the 10% of the delayed machines' or services' contract price(s).

12. Resolution of Disputes:

If dispute or difference of any kind shall arise between India Government Mint, Kolkata and the supplier in connection with or relating the contract, the parties shall make every effort to resolve the same amicably by mutual consultations. If the parties fail to resolve the same amicably the mutual consultations. If the parties fail to resolve their dispute or difference by such mutual consultation within 21 days of its occurrence, then, unless otherwise provided in the SCC, either India Government Mint, Kolkata or the supplier may seek recourse to settlement of disputes through arbitration act 33.2. Disputes arising out of any breach of contract pertaining to this tender shall be settled in the court of competent jurisdiction located within Kolkata only.

13. Risk Purchase Clause :

(a) If the supplier after submission of tender and due acceptance of the same, i.e. after notification of award of contract fails to abide by the terms and conditions of these tender documents, or fails to supply the deliverables as per delivery schedule given or at any time repudiates the contract, the purchaser shall have the right to:

(i) Invoke the Security-cum-Performance Guarantee if deposited by the supplier and procure stores from other agencies at the risk and consequence of the supplier. The cost difference between the alternative arrangement and supplier tendered value will be recovered from the supplier.

(b) Supplier has to abide by all the terms and conditions of tender.

(c) In case of procurement through alternative sources and if procurement price is lower, no benefit on this account will be passed on to the supplier.

14. The total cost inclusive of all as cited above on FOR India Govt. Mint, Kolkata (W.B) basis should be indicated clearly both in words and figures in the price bid.

15. Documentary evidence to be submitted towards PAN & GST Registration Certificate.

16. Quality Control Requirements:

Quality of Machines: Free from all technical defects, in compliance with our Technical Specification

i) Machines/service supplied not in conformity with tender specification will be treated as goods/service not supplied at all and supplier shall take supplied material not conforming to order specification back within 15 days. Goods/service shall be delivered by the supplier in accordance with the terms and conditions specified in the contract failing which expenses of keeping goods at purchaser's premises may be levied on supplier.

ii) Delivery date will be calculated from the date goods/services are received in acceptable quality in accordance with technical specification.

17. Purchaser reserves the right to reject all or any of the Bidders or Bids or to decide to drop the procurement process at any stage without assigning any reason.

18. MSME & Make in India Status:

In case any bidder is submitting their bid as MSME and/or MII, the firm must be registered as a MSME & MII in GeM portal and Self-declaration along with documentary evidence in this regard must be submitted declaring that their MSME & MII status is updated in GeM portal also. In further evaluation stage if it is found that the firm is not registered as MSME and/or MII in GeM, but MSME certificate and/or MII declaration is submitted along with the bid, no exemption will be given and their offer may be rejected.

19. Upload Manufacturer Authorization:

The participating bidder must submit Manufacturers Authorisation Form (MAF)/Certificate along with the bid in the format provided in Annexure- I under Technical Specification document.

20. Participating Bidder must submit sealed and signed copy of entire GeM bid document including the Technical Specification. Also the participating bidder must submit sealed & signed Annexure II in their letter head & checklist attached under Technical Specification.

21. All the supporting documents submitted along with this bid should be signed and sealed by the authorized signatory of the firm mandatorily.

22. Disclaimer :

The issue of this Bid Document does not imply that the Purchaser is bound to select Bidder(s) and the Purchaser reserves the right to reject all or any of the Bidders or Bids or to decide to drop the procurement process at any stage without assigning any reason.

23. Price Preference for MSE:

MSE quoting price within price band L1 + 15% may be awarded 25% of the total tendered value provided they agree to match the L1 price. In case of more than one such eligible MSE, 25% quantity is to be distributed proportionately among these bidders. Within this, a purchase preference of 4% is reserved for MSEs owned by SC/ ST entrepreneurs' and 3% is reserved for procurement from MSEs owned by women (if they participate in the tender process and match the L1 price, considering spirit of policy for enhancing the Govt. procurement from MSE).

24. Terms and Conditions:

Guidelines of SPMCIL Procurement Manual Version 2.0 will be applicable to this bid at any stage to avoid any conflict at later stage. Kindly refer GIT and GCC of SPMCIL Procurement Manual Version 2.0 for additional terms and conditions as per the links given below:

General Instruction to Tenderer (GIT): <https://spmCIL.com/uploaddocument/GIT/new.pdf>

General Conditions of Contract (GCC): <https://spmCIL.com/uploaddocument/GCC/new.pdf>

25. The supplier has to provide GeM invoice during submission of bill for payment.

26. Price Schedule:

While quoting the price through GeM portal, the detailed price breakup along with GST percentage must be mentioned and attached as pdf in the document attachment option of price bid mandatorily. Do not upload financial documents related to financial standings like audited balance sheets in the document attachment field of price bid, attach only the detailed price breakup of the quotation as mentioned above strictly as per format attached at the end of this bid document.

Price to be mentioned only in price bid not in Techno commercial bid or any other place. If it is mentioned any other part other than price bid, the offer will be rejected.

27. All safety and security of the workmen is the sole responsibility of the awarded firm itself and in case of any unwanted incidents India Government Mint, Kolkata authorities would not be liable under any circumstances.

28. Qualification/ Eligibility Criteria

A. EXPERIENCE & PAST PERFORMANCE:

The bidder (manufacturer or principal of authorized representative - hereinafter referred simply as 'The Bidder') shall be a manufacturer that has regularly for at least the last three years manufactured, supplied, erected, commissioned "APM wire Heating element based Muffle Furnace" with the same or higher specifications of at least One(1) number as described in Technical Specification in last five years ending on 31.03.2022. At least one number of the product offered for supply should be in successful operation for at least one year on the date of bid opening.

Note :

In Support of Experience & Past Performance, copy of Purchase Order/Supply/ Work Order; Respective Completion Certificate (From The Buyer of The Machine) and Contact Details(From The Buyer Of The Machine) to be enclosed along with the tender.

B. CAPABILITY - EQUIPMENT & MANUFACTURING FACILITIES:

The bidder must have an annual capacity to manufacture and supply at least One (1) number "APM wire Heating element based Muffle Furnace" as described in Technical Specification.

Note:

(i) In support of the capability, the bidder has to submit copy of supporting documents i.e. details of equipment and manufacturing facilities, engineers/managers details, number of skilled labors available with the firm, etc.

(ii) For verifying the capability/capacity, India Government Mint, Kolkata reserves the right to depute its authorized representatives at the worksites of the supplier. In the event, the firm is found not having capability/capacity, their offer is liable to be rejected.

C. FINANCIAL STANDING:

The average annual financial turnover of the bidder firm (manufacturer or principal of authorized dealer) during the last three years, ending on 31.03.2022, should be at least Rs. 13.43 Lakhs as per the annual report (audited balance sheet and profit & loss account) of the relevant period, duly authenticated by a Chartered Accountant/Cost Accountant in India.

The bidder should not have suffered any financial loss for more than one year during the last three years, ending on 31.03.2022.

i) The net worth of the Bidder should not be negative on 31.03.2022 and also

ii) The net worth of the Bidder should not have eroded by more than 30% in the last three years, ending on 31.03.2022.

Supporting documents to be furnished as claim against the above eligibility criteria: all financial standing data should be certified by certified accountants e.g. Chartered Accountants (CA) in India.

For net worth erosion calculation of last three(3) years ending on 31.03.2022, audited balance sheet of last four(4) financial years i.e: 2018-19, 2019-20, 2020-21 & 2021-22 must be submitted.

NOTE:

1. Bidder to furnish stipulated documents in support of fulfilment of above qualifying criteria i.e. Experience & Past performance, capability and financial standing.

2. All copy of supply/ work order; respective completion certificate and contact details of clients: in support of experience, past performance and capacity/ capability should be authenticated by the by the person authorized to sign the tender on behalf of the bidder.

NON-SUBMISSION OR INCOMPLETE SUBMISSION OF DOCUMENTS MAY LEAD TO REJECTION OF OFFER.

Note:

(i) All the copies of the tender shall be duly signed at the appropriate places as indicated in the bid documents and all other pages of the bid including all supporting document, if any shall be initialled by the same person(s) signing the bid document. The bid document shall not contain any erasure or overwriting, except

as necessary to correct any error made by the tenderer and, if there is any such correction; the same shall be initialled by the person(s) signing the tender.

(ii) Machines should be suitably packed. The packing should be weather proof and should be made water proof to prevent damage during transit. The supplier will also be responsible for unloading and stacking at India Government Mint, Kolkata Store as per instruction of competent authority.

***FOR ANY OTHER QUERIES, FIRMS MAY CONTACT IN THE BELOW DETAILS:**

Ph. No. 033 - 2401 4132,33,34,35, (Extension 336/ 319/ 326);

Email: purchase.igmk@spmciil.com

11. Buyer Added Bid Specific ATC

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

Disclaimer/अस्वीकरण

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. Any clause(s) incorporated by the Buyer regarding following shall be treated as null and void and would not be considered as part of bid:-

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.
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---

TECHNICAL SPECIFICATION

Specification of APM Wire Heating Element based Muffle Furnace:-

Scope of Work: To Design, Manufacture, Supply, Installation, Commissioning, Testing, etc..

Muffle Furnace Specification:

Rating of Furnace: 36KW, 3ph, 415V, 50Hz.

No of zones: 01(one).

Design Furnace Temperature: 1100 degree Celsius.

Furnace Working Temperature: 1000 degree Celsius.

Outer chamber dimension : 1600(D)*1400(W)*950(H) mm

Working chamber dimension : 900(D)*750(W)*450(H) mm

Heating Elements: KANTHAL APM Wire(1.5Watts/cm²) coil on tube design.
(APM- Advanced Powder Metallurgical)

Roof, side and hearth: High Alumina- Above 77% Cumi-29 bricks.

Location/ Type of thermocouple: Two numbers, 'K' type for process control and another one for safety.

Temperature control philosophy: Through automatic PID controller and thyristor.

Temperature uniformity: +/- 10 degree Celsius within the furnace after 2 hours of soaking time.

Hearth plate: HK Grade casted hearth plate with collar in two pieces.

Heating elements must be placed on 4sides of the furnace (for uniform heating).

Rate of rise of temperature per hour: 200 degree Celsius(atleast).

Features and benefits of the furnace:

High temperature chamber type furnace designed with latest technology to offer the following features:-

The furnace shall have an operating temperature of 1000 degree Celsius.

The maximum temperature of the furnace will be 1100 degree Celsius.

The furnace will be equipped with Kanthal APM wire (coil on tube design) heating elements.

The furnace will be provided with Automatic PID type controller & Thyristor.

Furnace casing and mechanical build:

The furnace casing must be of double wall construction. The furnace casing must be fabricated with Mild sheet duly stiffened by flats of same quality. There must be gap between the inner and the outer shell providing room for the flow of air which will help in lowering down the outside skin temperature of the furnace. The Outer of the furnace should be made up of 16 swg sheet with ventilation duly powder coated. The front door of the furnace should be made up of 8mm sheet to withstand the heat from the door opening. All the heat affected parts must be painted with heat resisting Aluminium paint.

Insulation:

The furnace should consist of three layers of insulation. The upper layer shall consist of High Temp. Refractory Brick. The middle layer will be consist of HFK(Hot face Fire clay Kyanite) for 1250 deg C. Grade. The inner layer will be consist of CFI(Cellulose Fibre Insulation) for 1100 deg C. Grade.

The Furnace skin temperature is less than 10°C above ambient under regular operation temperature of 1100°C.

Hearth lining would be High Alumina Bricks (Al_2O_3) of grade 77% and above suitable for 1250 deg C.

Heating elements:

The heating elements should be placed on four sides of the furnace and the bottom of the furnace should be provided with a Heat Resistance casted hearth plate.

The heating elements shall be placed on ceramic tubes of High Alumina grade (more than 77% Al_2O_3) and the same shall be supported on special refractory bricks on either ends.

The heating elements shall be made of KANTHAL APM WIRE which shall ensure that the surface loading of the element is less than 1.5 Watts/cm². The heating elements shall be controlled with a Programmable Controller and phase angle thyristor relay to control with an accuracy of $\pm 1^\circ C$ thus getting a uniformity of $\pm 3^\circ C$ in the Zone.

Maximum Operation Temperature shall be 1000°C.

Temperature control system :

The furnace will be provided with single zone automatic temperature control system consisting of the following equipment in a common control panel:-

Programmable Controller with 18 programs of 8 Segments, RS 485 Communication for data to be read and stored in a computer with the software and necessary hardware, input any sensor configurable and

output 4-20mA linear. Actual and set temperature shall be shown at all times with auto tone facility (Make: Masibus/Radix/Yudian/Eurotherm/Inductotherm).

One non-indicating type excess temperature controller (Make: Masibus/Radix/Yudian/Eurotherm/Inductotherm).

Two K type, simplex Thermocouples(Make: CE/EEC/Radix/equivalent).

One 3phase Thyristor (phase angle) for regulating the power to the furnace.

(Make: Advance Energy-US/ Watlow –US/ Para ENT/Eurotherm/ Inductotherm).

Digital Ammeter and Voltmeter of adequate rating and of reputed make.

Incoming and Outgoing terminals and Indication Lamps.

Wiring between the furnace and panel of 10Mtr Length

Flame resistant cables should be used in the panel and interconnecting panel with unit.

4 pole MCCB of 100Amp rating. Make- L&T/ Schneider/ ABB/ Hager/ Siemens/ Legrand/ Havells/ Eaton/ Anchor/ equivalent.

MCB should be connected to the output with instrumentation fan in the panel.

Door switch of the panel should be mounted on the side of the furnace

Temperature Deviation should be +/-3°C.

Hearth Plate:

HIGH NICKEL CASTED TRAY – HK GRADE.

Dimension: 650mm x 400mm x 15mm thickness(atleast) with collar of 50mm raised – 02 nos. (suitable for working hearth: 750mm x 900mm.)

*There should be front drop-down opening door for the furnace.

*Authorized dealership certificates must be submitted by the firms at the time of tender for the programmable controller, temperature controller, thyristor and APM wire heating elements. No sub-contracting and sub-letting will be allowed in this case.

*Test certificate must be provided by the PO awarded firm for the heating elements at the time of supply of the furnace.

Manufacturer's Authorization Form

To
India Government Mint, Kolkata

A unit of Security Printing & Minting

Corporation of India Limited

(Wholly owned by Govt. of India)

Ref. Your Tender document No....., dated

Dear Sirs,

We,, who are proven and reputable manufacturers of *(name and description of the goods offered in the tender)* having factories at....., hereby authorize Messrs..... *(name and address of the agent)* to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred tender enquiry documents for the above goods manufactured by us.

We further confirm that no supplier or firm or individual other than Messrs. *(name and address of the above agent)* is authorized to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred tender enquiry documents for the above goods manufactured by us.

We also hereby extend our full warranty, as applicable as per clause 16 of the General Conditions of Contract read with modification, if any, in the Special Conditions of Contract for the goods and services offered for supply by the above firm against this tender document.

Yours faithfully,

.....
.....

[Signature with date, name, and designation]

for and on behalf of Messrs.....

[Name & address of the manufacturers]

Note: This letter of authorization should be on the letter head of the manufacturing firm and should be signed by a person competent and having the power of attorney to legally bind the manufacturer.

GeM Bid Document No. :dated.
(To be submitted on the letter head of the bidder)

DECLARATION

We do hereby declare that,

1. We have not been blacklisted/ debarred by BNPMIPL/BRBNMPL/SPMCIL or any Govt. Departments for participation in tenders. The information provided above is correct and true to the best of my knowledge and belief.
2. We do hereby declare that we have read and understood all terms and conditions of tender document including Technical Specification, Quality Control Criteria and Buyer added ATC and confirm to abide to those conditions without any counter conditions.
3. "We are accepting all the terms and conditions of the tender document without any deviations"
4. We do accept all the terms and conditions of GIT & GCC link given in buyer added bid specific ATC without any deviation.

Signature

Name

Designation

Date

Stamp of the Organization

CHECK LIST

Before Submission of Tender following points to be confirmed/complied by the participating bidder to avoid rejection of bid. Hence check every point & tick (✓) before final submission.

A.Part I : (Techno Commercial Bid cover)

Sl. No.	Tender Submission Check Points (To be complied by bidder before submission of Bid)	Check before submission Tick (✓)
1	Tender Document Duly Seal & Signed on every page including technical specification	
2	Term of Delivery : FOR, India Govt. Mint, Kolkata duly unloaded	
3	Tender Validity 120 days as per the tender	
4	Technical Specification – as per tender	
5	Submitted the documents as per Qualification / Eligibility criteria (i)Proof of Experience : Purchase Order & Completion Certificate (ii) Proof of Capability : Details of plant and machinery (iii) Financial data : audited Balance sheets and Profit & Loss account statements of last four financial years	
6	Delivery Period : Acceptance of delivery period as per buyer added ATC	
7	Documentary evidence towards PAN & GST Registration Certificate	
8	Sealed & Signed Declaration (Annexure –II attached in technical specification)	
9	Proof of EMD(scanned copy) as applicable or any exemption certificate	
10	The firms participating as MSE/NSIC/DIC/Start-up India Campaign, needs to enclosed certificates containing validity	
11	Category of MSME Firms	
	SC	
	ST	
	GEN	
12	Owner of Company	
	Male	
	Female	
13	Documentary/undertaking against Make in India Status i.e. being a Class I/ Class II supplier with details of percentage	
14	All supporting documents submitted along with bid to be sealed and signed by Authorized signatory of the firm	
15	Submit filled, signed & sealed copy of Manufacturer's Authorization Form as per Annexure I attached in technical specification	

B. Part II : (Price Bid Cover)

Sl. No.	Description	Submitted/ Not Submitted
1	Price Bid (Price including all taxes & other charges), GST percentage to be mentioned mandatorily in the price bid, upload copy of the Price Details in Price Bid mentioning all the breakup of price	

- Price to be mentioned only in price bid not in Techno commercial bid or any other place. If it is mentioned any other part other than price bid, the offer will be rejected.

PRICE SCHEDULE

APM wire Heating element based Muffle Furnace (As details mentioned in Technical Specifications)

Quantity: 1 Set (Supply, Installation, Testing, Commissioning to be done at India Government Mint Kolkata)

Basic Price/ 1 SET :

Packing & Forwarding/ 1 SET :

Freight & Insurance/ 1 SET :

Installation, Commissioning and training/ 1 SET :

Other Charges (If any) :

GST/ 1 SET :

Total Price for 1 SET on CIF basis at India Government Mint, Kolkata:

Total Price for 1 SET on CIF basis at India Government Mint, Kolkata in words:

Abbreviation "CIF" Cost, Insurance and Freight Included , "IGM" India Govt. Mint,

NOTE :

1. Price to be mentioned only in price bid not in Techno commercial bid or any other place. If it is mentioned any other part other than price bid, the offer will be rejected.