

बिड दस्तावेज़ / Bid Document

बिड विवरण/Bid Details	
बिड बंद होने की तारीख/समय /Bid End Date/Time	29-07-2026 16:00:00
बिड खुलने की तारीख/समय /Bid Opening Date/Time	29-07-2026 16:30:00
बिड पेशकश वैधता (बंद होने की तारीख से)/Bid Offer Validity (From End Date)	120 (Days)
मंत्रालय/राज्य का नाम/Ministry/State Name	Ministry Of Finance
विभाग का नाम/Department Name	Department Of Economic Affairs
संगठन का नाम/Organisation Name	Security Printing And Minting Corporation Of India Limited (spmci)
कार्यालय का नाम/Office Name	3rd Floor Tower G World Trade Centre Nauroji Nagar
शिकायत निवारण के संपर्क विवरण/ Contact details of Grievance redressal	HOD Email id :ram.sahai@gov.in Buyer Email id: p.praveen.kumar@spmci.com
कुल मात्रा/Total Quantity	1
वस्तु श्रेणी /Item Category	Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)
GeMARPTS में खोजी गई स्ट्रिंग्स / Searched Strings used in GeMARPTS	Inductively Coupled Plasma Optical Emission Spectrometer
GeMARPTS में खोजा गया परिणाम / Searched Result generated in GeMARPTS	Inductively Coupled Plasma Mass Spectrometer (ICPMS) with Accessories (GSI), Optical Emission Spectrometer
अधिसूचना के लिए चयनित प्रासंगिक श्रेणियाँ / Relevant Categories selected for notification	- Inductively Coupled Plasma Mass Spectrometer (ICPMS) with Accessories (GSI) - Optical Emission Spectrometer
बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का) /Minimum Average Annual Turnover of the bidder (For 3 Years)	40 Lakh (s)
मूल उपकरण निर्माता का औसत टर्नओवर (गत 3 वर्षों का)/OEM Average Turnover (Last 3 Years)	40 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 Relaxation 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 Relaxation for Years Of Experience and Turnover	Yes Complete
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,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?	No
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
Payment Timelines	Payments shall be made to the Seller within 30 days of issue of consignee receipt-cum-acceptance certificate (CRAC) and on-line submission of bills (This is in supersession of 10 days time as provided in clause 12 of GeM GTC)
मूल्यांकन पद्धति/ Evaluation Method	Total value wise evaluation
मध्यस्थता खंड/ Arbitration Clause	No
सुलह खंड/ Mediation Clause	No

ईएमडी विवरण/EMD Detail

एडवाइजरी बैंक/Advisory Bank	Indusind bank
ईएमडी राशि/EMD Amount	199000

ईपीबीजी विवरण /ePBG Detail

एडवाइजरी बैंक/Advisory Bank	Indusind bank
ईपीबीजी प्रतिशत (%) /ePBG Percentage(%)	5.00
ईपीबीजी की आवश्यक अवधि (माह) /Duration of ePBG required (Months).	17

(a). जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित केटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज़ 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।/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.

(c).ईएमडी और संपादन जमानत राशि लाभार्थी के पक्ष में होनी चाहिए। / Earnest Money Deposit (EMD) shall also be accepted by the buyer in the form of a surety bond.

लाभार्थी /Beneficiary :

CHIEF GENERAL MANAGER
IDA PHASE-II, CHERLAPALLY (R.R.DISTRICT), HYDERABAD, TELANGANA, PIN- 500 051, INDIA
(India Government Mint, Hyderabad)

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

एमआईआई खरीद वरीयता / MII Purchase Preference

एमआईआई खरीद वरीयता / MII Purchase Preference	Yes
मेक इन इंडिया विक्रेताओं को खरीद में प्राथमिकता, यदि उनका मूल्य $L1+X\%$ तक की सीमा में है / Purchase Preference to MII sellers available upto price within $L1+X\%$	20
मेक इन इंडिया खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Maximum Percentage of Bid quantity for MII purchase preference	50

सार्वजनिक खरीद (मेक-इन-इंडिया को प्राथमिकता) आदेश 2017 के अनुसार केवल क्लास 1/क्लास 2 के स्थानीय आपूर्तिकर्ताओं को ही भागीदारी की अनुमति है दिनांक 16.09.2020 (समय-समय पर संशोधित एवं लागू) / Allow participation only from Class 1/Class 2 local suppliers as per the Public procurement(Preference to Make-in-india) order 2017 date 16.09.2020(as amended and applicable time to time)	Yes, in compliance with the MII ORDER : DPIIT Order(as amended and applicable time to time)
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एमएसई खरीद वरीयता/MSE Purchase Preference

एमएसई खरीद वरीयता/MSE Purchase Preference	Yes
सूक्ष्म और लघु उद्यम मूल उपकरण निर्माताओं/सेवा प्रदाता को खरीद में प्राथमिकता, यदि उनका मूल्य $L1+X\%$ / Purchase Preference to MSE OEMs/ Service Provider available upto price within $L1+X\%$	15
सूक्ष्म और लघु उद्यम मूल उपकरण निर्माता/सेवा प्रदाता को खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Percentage of Bid quantity/amount for MSE OEMs/ Service Provider Purchase preference	25

ट्रेड्स भुगतान संबंधी विवरण/TReDS Payment Details

This Bid provides for Trade Receivables Discounting System (TReDS) as Preferred mode of payment. For MSME sellers, payments may be processed through a TReDS exchange in which the Buyer is registered, subject to applicable policy and regulatory guidelines. Accordingly, sellers intending to avail payment through TReDS are required to be registered with at least one TReDS exchange in which the buyer is registered.

1. If the bidder is a Micro or Small Enterprise as per latest orders issued by Ministry of MSME, the bidder shall be relaxed from the eligibility criteria of "Experience Criteria" as defined above subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Experience Criteria, shall upload the supporting documents to prove his eligibility for Relaxation.
2. If the bidder is a Micro or Small Enterprise (MSE) as per latest orders issued by Ministry of MSME, the bidder shall be relaxed 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 relaxed from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Turnover, shall upload the supporting documents to prove his eligibility for Relaxation.
3. If the bidder is a DPIIT registered Startup, the bidder shall be relaxed from the the eligibility criteria of "Experience Criteria" as defined above subject to their meeting of quality and technical specifications. The bidder seeking Relaxation from Experience Criteria, shall upload the supporting documents to prove his eligibility for Relaxation.
4. If the bidder is a DPIIT registered Startup, the bidder shall be relaxed 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 relaxed from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Turnover shall upload the supporting documents to prove his eligibility for Relaxation.
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. 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 and its subsequent Orders/Notifications issued by concerned Ministry .Benefits of MSE will be allowed only if seller/service provider is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

9. **Purchase preference to Micro and Small Enterprises (MSEs):** Purchase preference will be given to MSEs having valid Udyam Certificate 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. In respect of bid for Services, the bidder must be the Service provider of the offered Service. 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. 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 in case of product bids, whereas in case of services the eligibility is automatically validated. 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.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.

10. 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 भिन्नता खंड दस्तावेज/Pre-Bid Date and Time	प्री-बिड स्थान/Pre-Bid Venue

14-07-2026 15:00:00	India Government Mint, Hyderabad P.B. NO: 10, IDA PHASE-II, Cherlapally, (R.R district), Hyderabad, Telangana Pin-500051, India. E-Mail: purchase.igmh@spmcil.com; Phone: 040-27268300,EXT: 117/122 Note: The Bidder(s) or his Official representative who will participate in bidding process are invited to attend Pre-Bid Conference Meeting which will take place on the date specified in Bid document. Bidder(s) queries if any must reach to India Government Mint, Hyderabad at least 2 days prior to Pre Bid Meeting date to the E-Mail ID provided in GeM bid document. The Bidder(s) or his Official representative who will participate in bidding process are requested to send the details of the Persons attending along with ID Proofs against the GeM bid to the above mentioned E-mail Id at least 2 days prior to the date of the Pre Bid Interaction date for making necessary Gate Pass arrangements.
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Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) (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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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	Sumanta Goswami	500051,India Govt Mint, IDA, Phase-II Cherapally, (R.R district) Hyderabad , Telangana	1	90

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

1. Generic

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

India Government Mint, Hyderabad
P.B. No: 10, IDA PHASE-II, Cherlapally, (R.R district)
Hyderabad, Telangana, Pin-500051, India.
E-Mail: stores.igmh@spmcil.com; Debajyoti.Banerjee@spmcil.com; purchase.igmh@spmcil.com;
Phone: 040-27268300, EXT: 246/208/203/117

2. Generic

Bidders shall quote only those products (Part of Service delivery) in the bid which are not obsolete in the market and has at least 7 years residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.

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**

Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

5. **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.

6. **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

7. **Generic**

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

6

, Place for Training

India Government Mint, Hyderabad

and Duration of training

3

days.

8. **Generic**

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

9. **Generic**

1. The Seller shall not assign the Contract in whole or part without obtaining the prior written consent of buyer.
2. The Seller shall not sub-contract the Contract in whole or part to any entity without obtaining the prior written consent of buyer.
3. The Seller shall, notwithstanding the consent and assignment/sub-contract, remain jointly and severally liable and responsible to buyer together with the assignee/ sub-contractor, for and in respect of the due performance of the Contract and the Sellers obligations there under.

10. **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:

- i) The Seller fails to comply with any material term of the Contract.
- ii) 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.
- iii) 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.
- iv) The Seller becomes bankrupt or goes into liquidation.

- v) The Seller makes a general assignment for the benefit of creditors.
- vi) A receiver is appointed for any substantial property owned by the Seller.
- vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.

11. **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.

12. **Warranty**

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

13. **Forms of EMD and PBG**

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

India Government Mint, Hyderabad (A Unit of SPMCIL)
payable at
Hyderabad

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.

14. **Forms of EMD and PBG**

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

India Government Mint, Hyderabad (A Unit of SPMCIL)
payable at
Hyderabad

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.

15. **Forms of EMD and PBG**

Bidders can also submit the EMD with Payment online through RTGS / internet banking in Beneficiary name

INDIA GOVERNMENT MINT (A UNIT OF SPMCIL) -COLLECTION A/C
Account No.
201003484303
IFSC Code
INDB0000004
Bank Name
INDUSIND BANK
Branch address
0004 - HYDERABAD

Bidder to indicate bid number and name of bidding entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer along with bid.

16. **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 Government Mint, Hyderabad (A Unit of SPMCIL)
payable at
Hyderabad

. 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.

17. **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 Government Mint, Hyderabad(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.

18. **Forms of EMD and PBG**

Successful Bidder can submit the Performance Security in the form of Payment online through RTGS / internet banking also (besides PBG which is allowed as per GeM GTC). On-line payment shall be in Beneficiary name

INDIA GOVERNMENT MINT (A UNIT OF SPMCIL) -COLLECTION A/C
Account No.
201003484303
IFSC Code
INDB00000004
Bank Name
INDUSIND BANK
Branch address
0004 - HYDERABAD

. Successful Bidder to indicate Contract number and name of Seller entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer in place of PBG within 15 days of award of contract.

19. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

I. Technical Specifications and Scope of Work for Inductively Coupled Plasma (ICP) Optical Emission Spectrometer (OES):

Scope of Work:

1. To Supply, installation, commissioning, testing and training of Inductively Coupled Plasma (ICP) Optical Emission Spectrometer (OES)
 - a) ICP OES Instrument (with factory calibration) along with all necessary accessories - 1 No.
 - b) Sample Introduction Kit - 1 No.
 - c) Branded Computer System with features like Intel Core i7, 3.2 GHz, 64-bit, 8 MB Cache, 8 GB RAM, 1 TB SSD, USB Port, Ethernet Port-2nos, 22"LED Monitor, Optical Mouse, Latest Licensed Windows Version compatible with the instrument, MS Office 10 or latest official version with license - 1 No.

- d) Manual Gas Manifold for two cylinders with pigtails with 8mm piping (up to 20 feet) - 2 Nos.
- e) UPS of 10 KVA 230 V 50 Hz 32A of Single Phase back up of minimum 30 minutes- 1 No.
- f) Two stage gas regulators with SS diaphragm- 2 Nos
- g) High purity argon gas (99.998%) cylinder for plasma - 3 Nos
- h) Fume Hood with Blower with Double Exhaust Point & 10 feet Duct with all Accessories in S.S - 1 Set
- i) Multi Element Standards-Aqueous - 1 No.
- j) Standards/calibration samples: Gold 1000 ppm , copper 1000 ppm, silver 1000 ppm, lead 1000 ppm with NABL or Equivalent certification of manufacturers - 1 No. Each
- k) Small vacuum pump / cleaner for removing dust inside the instrument - 1 No.

2. Overview:

The ICP spectrometer system should be a bench top model with compact size, able to determine trace and measure elements in diverse kind of samples like metal and alloys and pure metals etc. System should be able to determine major, minor and trace elements from % to ppm in single run measurement.

3. Elements / Alloys to cover:

Suitable to use analyzing purity and impurity (PGM) in:

- a) Raw gold and gold of 99.999% purity,
- b) Silver,
- c) Lead,
- d) Copper, at highest accuracy and its impurity.

Technical specifications:

1. Spectrometer:

- a) Overview: Complete system should have extensive safety & service diagnostic facility. The instrument must be able to detect any wavelength used in radial, axial, mixed view in modes or synchronous dual or multi view in a single run to cover the spectral range.
- b) Spectral Range: Polychromator based Optical System Starting from

m 167 or less and reaching up to 770 nm or above.

- c) Resolution: A resolution of 0.006 nm to 0.008nm at 200nm (+/-) 2 nm.
- d) Range: The system should be able to read visible and UV range together at the same time using.
- e) Detectors: At least three sets of solid-state detectors like CCD or CMOS
- f) Focal Length: Minimum focal length of 250 mm.

2. Optical Unit:

- a) Mounting: Mounted on shock proof platform to resist vibrations from lab surroundings.
- b) Housing: Optical system should be enclosed in a thermostated housing to provide long-term stability.
- c) Integration time: 1 ms to 10 s

3. Sample Introduction System:

- a) Integrated Sample Introduction system with minimum three channels peristaltic pump with variable pump speed for a fast pre-flush and fast rinse by switch valve or sprint valve or any other suitable system.
- b) The sample introduction system (including nebulizer, spray chamber and injector) should be corrosion resistant all kind of sample matrices including HF acids and highly alkaline solutions.
- c) System should come with required accessories to address high TDS samples for >15%

4. System:

- a) System should be able to scan UV and Visible wavelengths simultaneously along with internal standard.
- b) Any wavelength needed can be used in either radial, axial, mixed viewing modes or synchronous dual view in a single run.
- c) System should be able to measure the concentration of elements ranging from ppb to high % age in axial and radial view analysis at the same time or better
- d) The system should be able to ignite the plasma automatically and should shut off automatically after the run.

5. Torch:

The one piece quartz vertical torch should be available with automatic alignment facility for high matrix samples. The system should include complete dual viewing optics under computer and software control.

6. RF Generator:

RF coil should be totally maintenance free. The Power of RF Generator must have the capacity of at least 1500W.

7. Spectral Interferences:

The system must be able to read and apply automatic spectral interferences correction in addition.

8. Others:

- a) System should have warm up time of maximum 20 minutes from standby mode.
- b) System should be able to monitor water flow, shear gas pressure, argon pressure, sample compartment door closure and displays the interlock status on the computer screen Standards/calibration samples- one multi element standard ,Gold 1000 ppm , copper 1000 PPM, silver 1000 ppm, lead 1000 PPM should be provided.

9. Technical Documentation:

Operational & Maintenance Manual, checklists, Calibration Certificate from OEM/NABL Accredited Lab 2 Hard Copy and 1 soft copy.

10. Licenses And Permits:

Wherever applicable, the successful bidder shall ensure himself and also satisfy the Chief General Manager, Security Printing Minting Corporation of India Limited, Unit India Government Mint, Hyderabad that the successful bidder possesses the legal license/permit to use a particular product/ process/ design/ patent. The successful bidder shall be held responsible for all the civil/ criminal and tortuous consequences arising from any claim from any third party in this regard.

11. Installation, Commissioning and Final Acceptance:

- a) Installation, commissioning and proving of performance to be carried out by the supplier at India Government Mint, Hyderabad within stipulated time and to the satisfaction of user.
- b) India Government Mint, Hyderabad will conduct acceptance test of the delivered machine/system in the presence of the engineers from the successful bidder as per the quality control requirements given in the FAT norms.

12. Warranty Clause:

- a) The supplier should submit the warrantee certificate that the goods supplied under the contract are new, unused of the most recent or current models and incorporate all recent improvements in design and material unless provided otherwise in the contract.
- b) The supplier further warrants that, all the goods and work supplied under this contract shall have no defect in design, materials or workmanship or from any act or omission of the supplier that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.
- c) This warranty shall remain valid for 12 months from the date of final acceptance certificate. The purchaser shall promptly notify the supplier in writing of any claims arising out under this warranty.
- d) Upon receipt of such notice, the supplier shall repair or replace the defective goods or parts thereof without cost to the purchaser immediately.
- e) If the supplier having been notified fails to take remedial measure or rectify the defect within the period specified, the purchaser may proceed to take such action as may be necessary, at the supplier's risk and expense without prejudice or any other rights, which the purchaser may have against the supplier under the contract.

13. Training:

The supplier shall impart necessary training to technical personnel for proper operation and maintenance for minimum 5 working days at IG MH site.

14. Final Acceptance Test (FAT):

- a) Upon completion of installation & commissioning work at the purchaser premises, purchaser will run the machine in presence of suppliers' staff. The FAT will be carried out for a period of 2 full working days. A full working day means 8 hours in a single shift.
- b) Sample will be tested for at least 3 times for checking accuracy of the spectrometer with reference to the CRM.
- c) Same sample of 4 musters of Gold (Au), Silver (Ag), Copper (Cu) and Lead (Pb) shall be tested for at least 3 times for checking repeatability of the results.
- d) Displays on the computer monitor for water flow, shear gas pressure, argon pressure, sample compartment door closure etc. shall b

e checked.

- e) Start-up time of maximum 20 minutes displayed in the monitor shall be checked.
- f) Display of warning messages for ambient temperature, any mechanical or electrical faults shall be monitored during F.A.T.
- g) After successful completion of FAT, Final Acceptance Certificate (FAC) will be issued.

II. Payment Terms:

100% payment will be made within 30 days after issue of Final Acceptance Certificate (FAC).

III. Eligibility Criteria or Pre- Qualification Criteria:

1. 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 Inductively Coupled Plasma (ICP) Optical Emission Spectrometer (OES) with the same or higher specifications of at least one number in last five years ending on 31.03.2025. 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: For MSEs and Start-ups (registered for the tendered item) all Experience & past performance criteria shall be exempted. Subject to Technical and Quality Compliance.

2. Capability Equipment & manufacturing Facilities:

The bidder must have an annual capacity to manufacture and supply at least one no of Inductively Coupled Plasma (ICP) Optical Emission Spectrometer (OES).

3. Financial Standing:

- i. The average annual financial turnover of the bidder firm (manufacturer or principal of authorized dealer) during the last three years, ending on 31.03.2025, should be at Rs. 40 Lakhs (or equivalent in foreign currency at exchange rate prevalent on 31.03.2025) 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 or equivalent in relevant countries.
- ii. The net worth of the firm should not
 - a) be negative on 31.03.2025 and

- b) have eroded by more than 30% in the last three years, ending on 31.03.2025.

Note: For MSEs and Start-ups (registered for the tendered item) all financial criteria shall be exempted. Subject to Technical and Quality Compliance.

IV. General Instructions to the Tenderer (GIT) & General Conditions of the Contract (GCC):

The following are integral part of this GeM bid document. Bidders have to upload duly signed General Instructions to the Tenderer (GIT) & General Conditions of the Contract (GCC) as a token of acceptance of all the terms and conditions.

<https://spmcil.com/uploaddocument/GIT3.0.pdf>

<https://spmcil.com/uploaddocument/GCC3.0.pdf>

List of Documents to be submitted/ uploaded along with the Bid:

1.	UDYAM/MSME Certificate/ NSIC/Start-Up	Yes/No
2.	Proof of EMD of Rs.1,99,000.00/-.	Yes/No
3.	Documents towards Experience & past performance	Yes/No
4.	Documents towards Capability Equipment & manufacturing Facilities	Yes/No
5.	Financial Standing documents	Yes/No
6.	Manufacturer's Authorization/OEM Declaration if any	Yes/No
7.	Acceptance to Technical specifications, Drawings as per the bid document.	Yes/No
8.	Acceptance to Acceptance Criteria Mentioned in Bid Document as per point No. I.14 of Technical Specifications of 19. Buyer Added Bid Specific ATC	Yes/No
9.	Acceptance to Delivery Schedule as Mentioned in Bid Document	Yes/No
10.	Acceptance to Warranty period as per Bid as per point No. 12 of Buyer Added Bid Specific Terms and Conditions.	Yes/No
11.	Acceptance of GIT & GCC as per point No. IV of 19. Buyer Added Bid Specific ATC	Yes/No
12.	Make in India Declaration being Class-I/II with detailed Percentage as per MII Order	Yes/No
13.	Data Sheet of the product(s) offered as per point No.4 of Buyer Added Bid Specific Terms and Conditions.	Yes/No

14.	Stamped and signed Bid document as a token of Acceptance of all terms and conditions of the Bid	Yes/No
15.	An Undertaking that Bidders shall quote only those products (Part of Service delivery) in the bid which are not obsolete in the market and has at least 10 years residual market life i.e. the offered product shall not be declared end-of life by the OEM before this period as per point No.4 of Buyer Added Bid Specific Terms and Conditions.	Yes/No

अस्वीकरण/Disclaimer

The Additional Terms and Conditions (ATC) have been incorporated by the Buyer after approval of their Competent Authority. The Buyer, is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any restriction arising in the bidding process due to these ATCs and including the modification of technical specifications and / or terms and conditions governing the bid. All representations / grievances pertaining to the ATC clauses shall be raised with the buyer organization directly and not with GeM. If any of the clause(s) is/are incorporated by the Buyer regarding the following, the bid & resultant contract shall be treated as null & void. Further, GeM reserves the right, at its sole discretion, to cancel the bid forthwith, without issuance of any prior notice or intimation :-

1. Publishing Custom / BOQ bids for items for which regular GeM categories are available (unless such Custom / BOQ item is bunched with the major regular product Category Item).
2. Mandating procurement of / from specific Brand / Make / Model / Manufacturer / Dealer except in case of Single Bid / Proprietary Article Certificate (PAC) Buying.
3. Inclusion of disqualification criteria related to suspension of seller / service provider, where such suspension period has already expired.
4. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
5. Publishing bids on GeM for procurement of works.
6. Procurement of Goods by creating a Service bid on GeM & vice-versa.
7. Seeking sample with bid or approval of samples during bid evaluation process. However, trial / sample, as the case may be, shall be permitted in cases where trial / sample are allowed as per approved and published procurement policy of the Buyers' controlling Ministry / Department / State / Public Sector Enterprises Headquarters. If there is any violation of trial / sample clause with regard to approved policy of the Buyers' Ministry / Department / State / Public Sector Enterprises Headquarters, then this is to be determined and redressed by the concerned Buyer Organisation only.
8. Seeking experience from specific organization / department / institute only or from foreign / export experience.
9. Creating bid for items from incorrect categories.
10. Reference of conditions published on any external site or reference to external documents/clauses.
11. Asking for any Tender fee / Bid Participation fee, as the case may be.
12. Buyer added ATC Clauses which are in contravention of clauses defined in bid detail section, including specifications, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by the applicable GeM GTC.
13. Any ATC clause in contravention with GeM GTC Clause 4 (xiii) (h) will be invalid. In case of multiple L1 bidders against a service bid, the buyer shall place the Contract by selection of a bidder amongst the L-1 bidders through a Random Algorithm executed by GeM system.
14. 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 catalogues 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. 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 shall ensure full compliance with all applicable labour laws, including the provisions, rules, schemes and guidelines under the four Labour Codes i.e. the Code on Wages, 2019; the Industrial Relations Code, 2020; the Occupational Safety, Health and Working Conditions Code, 2020; and the Code on Social Security, 2020 as and when notified and brought into force by the Government of India.

For all provisions of the Labour Codes that are pending operationalisation through rules, schemes or notifications, the corresponding provisions of the pre-existing labour enactments (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. and relevant State Rules) shall continue to remain applicable.

The Seller/ Service Providers shall, therefore, be responsible for ensuring compliance under:

- **All notified and enforceable provisions of the new Labour Codes as mentioned hereinabove; and**
- **All operative provisions of the erstwhile Labour Laws until their complete substitution.**

All obligations relating to wages, social security, safety, working conditions, industrial relations etc. and any other statutory requirements shall be strictly met by the Seller/ Service Provider. Any non-compliance shall constitute a breach of the contract and shall entitle the Buyer to take appropriate action in accordance with the contract and applicable law.

This Bid is governed by the General Terms and Conditions, conditions stipulated in Bid and Service Level Agreement specific to the Service, as the case may be, as provided in the Marketplace.

However, in case of Service, if any condition specified in General Terms and Conditions is contradicted by the conditions stipulated in Service Level Agreement specific to said Service, then it will over-ride the conditions in the General Terms and Conditions.

[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---