



Bid Number/बोली क्रमांक (बिड संख्या):
GEM/2025/B/5909490
Dated/दिनांक : 06-03-2025

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	05-04-2025 11:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	05-04-2025 11:30:00
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
क्रेता ईमेल/Buyer Email	buyer81.spmcils.ts@gembuyer.in
Total Quantity/कुल मात्रा	1
Item Category/मद केटेगरी	SPARK OPTICAL EMISSION SPECTROMETER
GeMARPTS में खोजी गई स्ट्रिंग / Searched Strings used in GeMARPTS	SPARK OPTICAL EMISSION SPECTROMETER
GeMARPTS में खोजा गया परिणाम / Searched Result generated in GeMARPTS	Optical Emmision Spectrometer
अधिसूचना के लिए चयनित प्रासंगिक श्रेणियाँ / Relevant Categories selected for notification	<ul style="list-style-type: none">Optical Emmision Spectrometer
Minimum Average Annual Turnover of the bidder (For 3 Years)/बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का)	109 Lakh (s)
OEM Average Turnover (Last 3 Years)/मूल उपकरण निर्माता का औसत टर्नओवर (गत 3 वर्षों का)	109 Lakh (s)
Years of Past Experience Required for same/similar service/उन्हीं/समान सेवाओं के लिए अपेक्षित विगत अनुभव के वर्ष	3 Year (s)
MSE Exemption for Years Of Experience/अनुभव के वर्षों से एमएसई छूट/ and Turnover/टर्नओवर के लिए एमएसई को छूट प्राप्त है	Yes

Bid Details/बिड विवरण	
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	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
Do you want to show documents uploaded by bidders to all bidders participated in bid?/	No
Past Performance/विगत प्रदर्शन	80 %
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	No
Type of Bid/बिड का प्रकार	Two Packet Bid
Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	3 Days
Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
Evaluation Method/मूल्यांकन पद्धति	Total value wise evaluation
Financial Document Required/वित्तीय दस्तावेज़ की आवश्यकता है।	Yes
Arbitration Clause	No
Mediation Clause	No

EMD Detail/ईएमडी विवरण

Advisory Bank/एडवाइजरी बैंक	Indusind bank
EMD Amount/ईएमडी राशि	500000

ePBG Detail/ईपीबीजी विवरण

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

(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 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।

(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 :

Chief General Manager

India Government Mint, Hyderabad P.B. NO: 10, IDA Phase-II, Cherlapally, Hyderabad (R.R district) Telangana , Pin-500051, India.

(India Government Mint, Hyderabad)

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. 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.
4. Experience Criteria: In respect of the filter applied for 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 number of Financial years as indicated above in the bid document 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 Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
5. 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.

6. 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.

7. Purchase preference will be given to MSEs having valid Udyam Registration and whose credentials are validated online through Udyam Registration portal as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service and Buyer will decide eligibility for purchase preference based on documentary evidence submitted, while evaluating the bid. If L-1 is not an MSE and MSE Seller (s) has / have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such MSE Seller shall be given opportunity to match L-1 price and contract will be awarded for 25% (selected by Buyer) percentage of total quantity. The buyers are advised to refer the OM No. F.1/4/2021-PPD dated 18.05.2023 [OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

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.

Excel Upload Required/एक्सेल में अपलोड किए जाने की आवश्यकता :

Price Schedule Format for Spark OES - [1740548351.xlsx](#)

SPARK OPTICAL EMISSION SPECTROMETER (1 set)

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

Technical Specifications/तकनीकी विशिष्टियाँ

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

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Sumanta Goswami	500051,India Govt Mint, IDA, Phase-II Cherapally, (R.R district) Hyderabad , Telangana	1	90

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

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,
Hyderabad (R.R district)
Telangana , Pin-500051, India

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
5
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

The successful bidder has to supply all essential accessories required for the successful installation and commissioning of the goods supplied. Besides standard accessories as per normal industry practice, following accessories must be part of supply and cost should be included in bid price:

Inclusive All
.

11. 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.

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. Scope of Supply

Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)

14. OEM

IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.

15. Inspection

Pre-dispatch inspection at Seller premises (Fee/Charges to be borne by the BUYER): Before dispatch, the goods will be inspected by Buyer / Consignee or their Authorized Representative or by Nominated External Inspection Agency (independently or jointly with Buyer or Consignee as decided by

the Buyer) at Seller premises (or at designated place for inspection as declared / communicated by the seller) for their compliance to the contract specifications. Fee/Charges taken by the External inspection Agency and any external laboratories testing charges shall be borne by the Buyer. For in-house testing, the Sellers will provide necessary facilities free of cost. Seller shall notify the Buyer through e-mail about readiness of goods for pre-dispatch inspection and Buyer will notify the Seller about the Authorized Representative/ Nominated External Inspection Agency and the date for testing. The goods would be dispatched to consignee only after clearance in pre-dispatch inspection. Consignee's right of rejection as per GTC in respect of the goods finally received at his location shall in no way be limited or waived by reason of the goods having previously been inspected, tested and passed by Buyer/ Consignee or its Nominated External Inspection Agency prior to the goods' shipment. While bidding, the sellers should take into account 7 days for inspection from the date of email offering the goods for inspection. Any delay in inspection beyond 7 days shall be on the part of the buyer and shall be regularised without Liquidated Damages.

When there is requirement of submission the advance sample, the seller shall inform the buyer promptly through emails about the date of submission of sample to the buyer nominated Inspection agency.

16. **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.

17. **Warranty**

Bidder / OEM has to give an undertaking that after expiry of warranty period, it will provide AMC Service for next 3 years for the offered products at the rate not more than 3 % of contract price per annum. Buyer reserves the right to enter into an AMC agreement (covering preventive maintenance and servicing)with the Successful Bidder / OEM after expiry of the Warranty period at rate as mentioned above and the payment for the AMC charges would be made Quarterly after rendering of the AMC Services of the relevant AMC period. Performance Security of the successful bidder shall be forfeited if it fails to accept the AMC contract when called upon by the buyer. The original Performance Security of contract will be returned only after submission and verification of AMC Performance Security for 5% of total AMC value valid up to AMC period plus 2 months (if there is no other claim). (Undertaking of acceptance to be uploaded with bid).

18. **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.

19. **Warranty**

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

All Components

(Upload an undertaking with the bid confirming compliance by the bidder if Bidder is taking onus of this compliance. In case OEM is taking onus of this compliance, OEM undertaking is to be uploaded along with Bidder undertaking)

20. **Warranty**

Successful bidder will have to ensure that adequate number of dedicated technical service personals / engineers are designated / deployed for attending to the Service Request in a time bound manner and for ensuring Timely Servicing / rectification of defects during warranty period, as per Service level agreement indicated in the relevant clause of the bid.

21. **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.

22. **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.

23. **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

India Government Mint, Hyderabad (A Unit of SPMCIL)

. 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

24. **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.

25. **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.

26. **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.

27. **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.

28. **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
INDB0000004
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.

29. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

I. TECHNICAL SPECIFICATIONS OF SPARK OPTICAL EMISSION SPECTROMETER

The purpose of this tender is to procure a SPARK OES Spectrometer for the accurate and reliable analysis of precious metals including Gold (Au) & Silver (Ag). The instrument shall be utilized in IGMH laboratory to determine the elemental composition & concentration of these metals in various samples.

The SPARK OES spectrometer should meet the following specifications:

- i. Silver Base should be offered with below analytical program with factory calibrated -
(I) Pure Silver and Quaternary alloy of silver (50%Ag, 40%Cu, 5%Ni, 5%Zn with impurities Si, Mn, Fe, C, S etc.)
Gold Base should be offered with below analytical program with factory calibrated - (I) Pure Gold,

Must be capable of adding other alloy programs like Platinum Base (Pure Platinum), Ferrous Base (Low alloy steel, cast iron, Cr-Cr/Ni steel), Copper based (Cu Orientation, Pure Copper, Brass), Nickel base (Orientation, Pure Ni, Ni-Cu/Ni-Cu-Sn) or any other grades of Gold & Silver.

The detailed calibration ranges are as follows:

Element s	Pure Silver(Ag) min-max(%)
Al	*****
Au	0.0004 - 0.0250
Bi	0.00004 - 0.0200
C	*****
Cd	0.00003 - 0.0170
Co	*****
Cu	0.00002 - 0.02
Ir	*****
Ni	0.0006 - 0.0190
Os	*****
Pb	0.00008 - 0.02
Pd	0.0006 - 0.021
Pt	0.0001 - 0.018
Rh	*****
Ru	*****
Sb	0.0002 - 0.0180
Se	0.0001 - 0.01
Si	*****
Sn	0.0001 - 0.02
Zn	0.00001 - 0.0160

Element s	Pure Gold (Au) min-max (%)
Ag	0.00001 - 0.0240
Al	0.0000 - 0.0050
	0.00007 - 0.0070
Cd	0.00001 - 0.003
Co	0.00002 - 0.0030
Cr	0.00002 - 0.0070
Cu	0.00002 - 0.02
Fe	0.0001 - 0.016
Ir	*****
Mn	0.00003 - 0.0080
Ni	0.0003 - 0.011
Os	*****
Pb	0.00003 - 0.0110
Pt	0.0001 - 0.0210
Rh	0.00002 - 0.0040
Ru	*****
Sb	0.0004 - 0.01
Se	0.0003 - 0.0030
Si	0.00005 - 0.0070
Sn	0.00015 - 0.011
Zn	0.00005 - 0.011

- ii. Elements to be analysed: The instruments should be capable of analysing Gold (Au), Silver (Ag) and associated trace metals with high accuracy and precisions.
- iii. Detection limits: Extremely low detection limits for the above mentioned elements and trace elements to ensure accurate and sensitive analysis.
- iv. Sample Preparation: The instrument should support various solid sample preparation techniques including precious alloy samples.
- v. Spectral Range: The instrument should cover the appropriate spectral range of wave length from 120 nm to 780 nm for the analysis of the specified elements and trace elements.
- vi. Calibration: Equipment shall be table top factory calibrated spark optical emission spectrometer. The instrument should provide calibration capabilities for accurate quantification of the elements of interest. Instrument shall have a user friendly and faster re-calibration process. Optical System shall be capable for upgrading future requirements as and when required.
- vii. Spark Source: The instrument shall have a fully digital sample excitation system providing uniform discharges during measurement thus offering exceptional repeatability and st

- ability of the measurements.
- viii. Spectral resolution: The instrument should provide high spectral resolution to enable accurate identification and quantification of the elements and trace elements.
 - ix. Software & Data handling: The instrument should come with user-friendly software for instrument control, data acquisition and analysis. It should have features for data storage, retrieval and report generation.
 - x. Safety features: The instrument should include necessary safety features such as automated shutdown protocols and fume extraction systems to ensure operator safety.
 - xi. Optical Systems: Equipment shall have independent optics for the measurement of metallic, non-metallic and gaseous elements separately and shall have following features:
 - xii. CMOS and / or CCD with high resolution 750 mm focal length multi optical system, dedicated microprocessor for each CMOS and / or CCD sensors.
 - xiii. Optical system shall be inert gas filled or flushed or vacuum based.
 - xiv. Wavelength range shall be from 120 nm to 780 nm or better to provide reliable measurement of all the elements as per above table.
 - xv. Optical systems shall be stabilized against temperature fluctuations.
 - xvi. Optical system shall be capable for upgrading future requirements as and when required
 - xvii. Certified Reference Materials: CRMs of Pure Gold & Pure Silver shall be provided for the mentioned metals and its alloys except Gold CRM. CRMs shall be traceable to National / International Standards as per ISO: 17034.
 - xviii. Spark Stand: Instrument shall have a spark stand with minimal gas consumption allowing measurement of samples of various size, shape and geometry.
 - xix. The instrument should have in built diagnostic system to show status of all relevant and important components.
 - xx. The instrument should have Time Resolved Spectroscopy (TRS) and Spark Analysis for Traces (SAFT) to improve detection limits and reduce Inter-elemental effects.
 - xxi. The instrument should provide Argon gas saver module to reduce argon gas consumption.
 - xxii. Warranty & Support: The firm should give warranty for successful running of spectrometer with all the accessories for a minimum ONE year after issue of FAC.

1. SCOPE OF SUPPLY:

Spark Optical Emission Spectrometer Analyzer shall be able to undertake chemical composition of Gold (Au), Silver (Ag) and associated trace metals as per suitable standards.

Optical Emission Spectrometer (with factory calibration) - 01 no.

- a) Adapter for Small Sample: Necessary adapter should be quoted for analysis small sample dia. (1mm to 10 mm) and for sheet (0.1 mm to 1mm) thickness. The instrument should be provided with pre-programmed small sample program for wires - 01 set
- b) Operational Spares & Consumables: Operational spares & Consumables package - 01set
- c) Gas Purifier: Rare Gas Purifier with consumables - 01set
- d) Sample Preparation Equipment: Suitable sample polishing equipment for gold & silver alloys sample preparation - 01 no.
- e) Computer: Branded Compatible Computer with appropriate configuration with colour TFT Monitor with Mouse and key board - 01 Set
- f) Printer: Branded Colour Laser Printer - 01 no.
- g) Online UPS: 5 KVA/ Suitable Online with isolation transformer UPS to be supplied along with instrument - 01 no.
- h) Argon Gas Cylinder: Suitable Argon Gas cylinder and required purity of Argon Gas Should be supplied - 04 nos.
- i) Regulator: Suitable double stage SS Regulator for Argon gas cylinder should be supplied - 02 nos.
- j) Copper tube: Necessary copper tube to connect the instrument with the cylinder to be supplied - 01 set
- k) Small vacuum pump / cleaner for removing dust inside the instrument

l) Manufacturer shall provide three copies (3 hard copies and 1 soft copy) of machine manuals, operating manuals and training materials in English Language.

2. ACCEPTANCE CRITERIA:

- a) Upon completion of installation & commissioning work at the purchaser premise, purchaser will run the machine in presence of suppliers' staff. The Final Acceptance Test (FAT) will be carried out for a period of 2 working days to the satisfaction of purchaser.
- b) Same Pure Gold (990.0 PPT) sample will be tested for at least 3 times for checking repeatability (with tolerance limit of ± 200 PPM or 0.2 PPT) of the spectrometer following IS 1418 standard.
- c) CRM samples will be tested for at least 3 times for checking accuracy of the spectrometer with reference to the CRM certificate for tolerance limit.
- d) Upon satisfactory completion of FAT, "Final Acceptance Certificate" (FAC) will be issued by IGMH. **ERECTION & COMMISSIONING:** The Supplier shall arrange for the erection, commissioning and successful demonstration for functioning of the equipment at IGMH site.

3. ERECTION & COMMISSIONING: The Supplier shall arrange for the erection, commissioning and successful demonstration for functioning of the equipment at IGMH site.

4. TRAINING: The supplier shall impart necessary training to technical personnel for proper operation, maintenance and calibration for minimum 5 working days at IGMH site.

5. PRE-DISPATCH INSPECTION: Supplier shall arrange a Pre-Dispatch Inspection at the supplier's factory site in India for officials of IGMH. The expenses towards travelling, boarding & lodging will be borne by IGMH.

6. SPARES & CONSUMABLES: Manufacturer shall provide a sufficient spares and consumable for smooth and trouble free operation for a period of minimum 3 years. Spares & Consumables support should be provided by the OEM for normative life of the instrument.

7. OTHER TERMS & CONDITIONS:

- a) Packing: Items 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 IGMH Store as per instruction of competent authority.
- b) The supplier shall be responsible for loading & unloading, installation and successful commissioning of the instrument. All the consumables & accessories not mentioned above but required for successful commissioning of the instrument shall be in the scope of the supplier.
- c) The supplier shall be responsible for making the instrument ready for use.
- d) The supplier should provide Annual Maintenance Contract (AMC) for the instrument for 3 years after completion of the Warranty Period. This cost of AMC should be quoted separately.

II. 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 Spark Optical Emission Spectrometer (OES) with the same or higher specifications of at least one number in last five years ending on 31.03.2024. 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 Spark Optical Emission Spectrometer (OES).

3. Financial Standing:

i). The average annual financial turnover of the bidder firm (manufacturer or principal of authorised dealer) during the last three years, ending on 31.03.2024, should be at Rs.109 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 or equivalent in relevant countries.

ii). the net worth of the firm should not

a). be negative on 31.03.2024 and

b). have eroded by more than 30% in the last three years, ending on 31.03.2024.

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

III. PRICE -BID SUBMISSION:

The Price-Bid contains the following two schedules.

Schedule-1. Price Offer of the Machine.

Schedule-2. AMC charges for the three years.

The Bidder should prepare and submit the quote for both the above schedules separately and the same needs to be uploaded separately. However, the charges for AMC quoted will not be a part of arriving at Lowest Quoted Bidder. Hence the amount to be mentioned on GeM portal has to be only price offer of the machine i.e. **Schedule-1**.

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>

Disclaimer/अस्वीकरण

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. If any clause(s) is / are incorporated by the Buyer regarding following, the bid and resultant contracts shall be treated as null and void and such bids may be cancelled by GeM at any stage of bidding process without any notice:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process. (However, in bids for [attached categories](#), trials are allowed as per approved procurement policy of the buyer nodal Ministries)
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

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.

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---