

**बिड दस्तावेज़ / Bid Document**

| बिड विवरण/Bid Details                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| बिड बंद होने की तारीख/समय /Bid End Date/Time                                                                   | 09-09-2026 18:00:00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| बिड खुलने की तारीख/समय /Bid Opening Date/Time                                                                  | 09-09-2026 18:30:00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| बिड पेशकश वैधता (बंद होने की तारीख से)/Bid Offer Validity (From End Date)                                      | 180 (Days)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| मंत्रालय/राज्य का नाम/Ministry/State Name                                                                      | Ministry Of Mines                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| विभाग का नाम/Department Name                                                                                   | Na                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| संगठन का नाम/Organisation Name                                                                                 | Jawaharlal Nehru Aluminium Research Development And Design Centre (jnarddc)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| कार्यालय का नाम/Office Name                                                                                    | West                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| शिकायत निवारण के संपर्क विवरण/ Contact details of Grievance redressal                                          | HOD Email id :srinivasan@jnarddc.gov.in<br>Buyer Email id: nfmrecycling@jnarddc.gov.in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| कुल मात्रा/Total Quantity                                                                                      | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| वस्तु श्रेणी /Item Category                                                                                    | Sonicator for Molten Aluminium                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| GeMARPTS में खोजी गई स्ट्रिंग्स / Searched Strings used in GeMARPTS                                            | Sonicator for Molten Aluminium                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| GeMARPTS में खोजा गया परिणाम / Searched Result generated in GeMARPTS                                           | Aluminium And Aluminium Alloy Foil For Pharmaceutical Packaging-IS:16011, Cryocan for Liquid Nitrogen, Aluminium Cup for XRF Instrument, Wrought Aluminium and Aluminium Alloy Bars, Rods,Tubes, Sections, Plates and Sheets for Electrical Application - IS 5082, Aluminium and Aluminium Alloy Bare Foil for Food Packaging (V2) as per IS 15392, Terminal Ends for Aluminium Conductors of Insulated Cables (Compression Cable Lugs) Conforming To IS 8309, Aluminium Conductors For Overhead Transmission Purposes (V2) Conforming To IS 398, Primary Aluminium Ingots for Remelting for General Engineering Purposes Conforming to IS 2590, Javelins as per IS 4613, Aluminium Section for Bus Body Building Parts as per IS 733:1983 |
| अधिसूचना के लिए चयनित प्रासंगिक श्रेणियाँ / Relevant Categories selected for notification                      | <ul style="list-style-type: none"> <li>• sonicator System</li> <li>• Ultrasonic Probe Sonicator</li> <li>• Ultra - Sonic Bath Sonicator</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का) /Minimum Average Annual Turnover of the bidder (For 3 Years) | 20 Lakh (s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

| बिड विवरण/Bid Details                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| मूल उपकरण निर्माता का औसत टर्नओवर (गत 3 वर्षों का)/OEM Average Turnover (Last 3 Years)                                                                                                                                    | 160 Lakh (s)                                                                                                                                                                                                                                                                                                                                                            |
| उन्हीं/समान सेवा के लिए अपेक्षित विगत अनुभव के वर्ष/Years of Past Experience Required for same/similar service                                                                                                            | 3 Year (s)                                                                                                                                                                                                                                                                                                                                                              |
| टर्नओवर पात्रता मानदंड/Turnover eligibility criteria                                                                                                                                                                      | GeM verified turnover                                                                                                                                                                                                                                                                                                                                                   |
| एमएसएमई के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है/MSE Relaxation for Years of Experience and Turnover                                                                                                      | No                                                                                                                                                                                                                                                                                                                                                                      |
| स्टार्टअप के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है /Startup Relaxation for Years of Experience and Turnover                                                                                               | No                                                                                                                                                                                                                                                                                                                                                                      |
| विक्रेता से मांगे गए दस्तावेज़/Document required from seller                                                                                                                                                              | Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover,Additional Doc 1 (Requested in ATC)<br>*In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer |
| क्या आप निविदाकारों द्वारा अपलोड किए गए दस्तावेज़ों को निविदा में भाग लेने वाले सभी निविदाकारों को दिखाना चाहते हैं? संदर्भ मेनू है/Do you want to show documents uploaded by bidders to all bidders participated in bid? | Yes (Documents submitted as part of a clarification or representation during the tender/bid process will also be displayed to other participated bidders after log in)                                                                                                                                                                                                  |
| बिड लगाने की समय सीमा स्वतः नहीं बढ़ाने के लिए आवश्यक बिड की संख्या। / Minimum number of bids required to disable automatic bid extension                                                                                 | 3                                                                                                                                                                                                                                                                                                                                                                       |
| दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / Number of days for which Bid would be auto-extended                                                                                                       | 7                                                                                                                                                                                                                                                                                                                                                                       |
| ऑटो एक्सटेंशन अधिकतम कितनी बार किया जाना है। / Number of Auto Extension count                                                                                                                                             | 2                                                                                                                                                                                                                                                                                                                                                                       |
| 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                                                                                                                                                                                                                                                                                                                                                                      |

| बिड विवरण/Bid Details                                         |                             |
|---------------------------------------------------------------|-----------------------------|
| मूल्यांकन पद्धति/Evaluation Method                            | Total value wise evaluation |
| वित्तीय दस्तावेज की आवश्यकता है / Financial Document Required | Yes                         |
| मध्यस्थता खंड/Arbitration Clause                              | No                          |
| सुलह खंड/Mediation Clause                                     | No                          |

#### ईएमडी विवरण/EMD Detail

|                             |           |
|-----------------------------|-----------|
| एडवाइजरी बैंक/Advisory Bank | IDBI Bank |
| ईएमडी राशि/EMD Amount       | 120000    |

#### ईपीबीजी विवरण /ePBG Detail

|                                                                   |           |
|-------------------------------------------------------------------|-----------|
| एडवाइजरी बैंक/Advisory Bank                                       | IDBI Bank |
| ईपीबीजी प्रतिशत (%) /ePBG Percentage(%)                           | 5.00      |
| ईपीबीजी की आवश्यक अवधि (माह) /Duration of ePBG required (Months). | 18        |

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

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

(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 :

Senior Administrative Officer  
West, NA, Jawaharlal Nehru Aluminium Research Development and Design Centre (JNARDDC), Ministry of Mines  
(Jnarddc, Nagpur)

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) |

#### 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  |

1. The minimum average annual financial turnover of the bidder during the last three financial years, ending on 31st March of the previous financial year, should be as indicated in the bid document. The turnover of the bidder shall be validated by the system based on the financial data available on the GeM portal. The average turnover shall be calculated based on the last three financial years where data is available; in case data is available for only two of the last three financial years, the average shall be computed based on those two years. In case the date of constitution / incorporation of the bidder is less than three years old, the average turnover in respect of the completed financial years after the date of constitution / incorporation shall be taken into account for this criterion. No separate documentary evidence is required to be uploaded by the bidder for this criterion, as the system shall derive and validate the turnover figures from the data available on the GeM portal.

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

3. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into

account for this criteria.

4. Preference to Make In India products (For bids < 200 Crore): Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023.

[OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017 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.

5. **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.

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

## **Sonicator For Molten Aluminium ( 1 Unit )**

(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 | <a href="#">Download</a> |
|---------------------------------------------------------|--------------------------|

**परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

| क्र.सं./S.No. | प्रेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer | पता/Address                                   | मात्रा /Quantity | डिलीवरी के दिन/Delivery Days |
|---------------|----------------------------------------------------------|-----------------------------------------------|------------------|------------------------------|
| 1             | Raghupathy Srinivasan                                    | 440023,Opp Wadi Police Station Amarawati Road | 1                | 60                           |

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

### 1. Generic

**OPTION CLAUSE:** The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity up to 25% of the contracted quantity during the currency of the contract at the contracted rates. The delivery period of quantity shall commence from the last date of original delivery order and in cases where option clause is exercised during the extended delivery period the additional time shall commence from the last date of extended delivery period. The additional delivery time shall be  $(\text{Increased quantity} \div \text{Original quantity}) \times \text{Original delivery period (in days)}$ , subject to minimum of 30 days. If the original delivery period is less than 30 days, the additional time equals the original delivery period. The Purchaser may extend this calculated delivery duration up to the original delivery period while exercising the option clause. Bidders must comply with these terms.

### 2. Generic

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

Jawaharlal Nehru Aluminium Research Development and Design Centre  
JNARDDC  
Opposite Wadi Police Station  
Amravati Road, Wadi  
Nagpur - 440023

### 3. Generic

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

### 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

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

### 6. 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.

### 7. 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

**8. Generic**

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

02

, Place for Training

JNARDDC, Nagpur

and Duration of training

02

days.

**9. 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.

**10. 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.

**11. Forms of EMD and PBG**

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

Jawaharlal Nehru Aluminium Research Development and Design Centre

payable at

Nagpur

.

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.

**12. Forms of EMD and PBG**

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

Jawaharlal Nehru Aluminium Research Development and Design Centre

Account No.

041104000192392

IFSC Code

IBKL0000041

Bank Name

IDBI Bank

Branch address

Gupta House, Rabindranath Tagore Road, Civil Lines, Nagpur - 440001

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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.

**13. 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

Jawaharlal Nehru Aluminium Research Development and Design Centre

payable at

Nagpur

. 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.

**14. 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

Jawaharlal Nehru Aluminium Research Development and Design Centre

Account No.

041104000192392

IFSC Code

IBKL0000041

Bank Name

IDBI Bank

Branch address

Gupta House, Rabindranath Tagore Road, Civil Lines, Nagpur - 440001

. 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.

**15. 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)

**16. Certificates**

ISO 9001: The bidder or the OEM of the offered products must have ISO 9001 certification.

**17. 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.

**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. Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

1. If any deviation in offered model with JNARDDC technical specifications, same to be mentioned in technical compliance sheet.

2. Bidders have to supply all standard essential accessories required for the successful installation and commissioning of the goods supplied.

**20. Buyer Added Bid Specific ATC**

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

## 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 (other than EMD and signed Integrity Pact - which can be submitted within 5 days of bid opening) 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 कार्यवाई का आधार होगा।/In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

**---धन्यवाद/Thank You---**



## SPECIFICATIONS FOR A PILOT-SCALE ULTRASONIC MELT PROCESSING SYSTEM FOR MOLTEN ALUMINIUM

| Sl. No. | Parameter                   | Generic Specification                                                                                                                                                 |
|---------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | System Description          | Ultrasonic processor system for sonicating molten Aluminium comprising generator, transducer, booster/amplifier, and sonotrode assembly suitable for batch operations |
| 2       | Maximum power output        | 1000 W                                                                                                                                                                |
| 3       | Operating Frequency         | ~20 kHz with automatic frequency scanning                                                                                                                             |
| 4       | Connection                  | 230V, single phase, 50 Hz                                                                                                                                             |
| 5       | Control System              | Touch-screen interface                                                                                                                                                |
| 6       | Amplitude Range             | Adjustable 20%–100%                                                                                                                                                   |
| 7       | Process Monitoring          | Touch-screen, SD Card and Remote                                                                                                                                      |
| 8       | Cable Length                | 3 meter between generator and transducer                                                                                                                              |
| 9       | Booster/Amplifier           | Titanium booster with amplification ratio of 1:1.4                                                                                                                    |
| 10      | Sonotrode Type              | Block-type sonotrode                                                                                                                                                  |
| 11      | Sonotrode MoC               | Silicon Nitride                                                                                                                                                       |
| 12      | Sonotrode Dimensions        | Tip diameter: 22 mm, Length approx. 634mm                                                                                                                             |
| 13      | Maximum Operating Amplitude | 35 micron                                                                                                                                                             |
| 14      | Operating Temperature       | up to 770°C                                                                                                                                                           |
| 15      | Immersion Depth             | Up to 50 mm of the sonotrode tip                                                                                                                                      |
| 16      | Operational Modes           | Batch sonication                                                                                                                                                      |
| 17      | Stand Configuration         | Provision for horizontal/inline mounting support suitable for integration with flow systems                                                                           |
| 18      | Protection Features         | overload protection and system error indication                                                                                                                       |
| 19      | Operating Duty              | Suitable for continuous operation (24/7 duty cycle)                                                                                                                   |



## SPECIFICATIONS FOR A PILOT-SCALE ULTRASONIC MELT PROCESSING SYSTEM FOR MOLTEN ALUMINIUM

|    |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 20 | <b>Pre-requisites / Eligibility Criteria for Supplier</b> | <ul style="list-style-type: none"> <li>• The bidder/OEM shall have prior experience in design, supply, installation, and commissioning of industrial ultrasonic systems for molten metal, preferably molten Aluminium treatment Minimum 300 kgs in DC Casting facility.</li> <li>• The bidder/OEM shall have successfully supplied atleast one (01) similar systems nationally or internationally to industries, R&amp;D organizations, universities, or metallurgical units in last 3 FY year with minimum 80% bid value i.e. Rs. 32.00 lakhs.</li> <li>• Documentary proof of previous installations such as purchase orders, completion certificates, or client references shall be submitted with the technical bid.</li> <li>• Customer testimonials/performance certificates for molten Aluminium applications such as degassing, grain refinement, melt treatment, or casting shall be provided.</li> <li>• The bidder/OEM shall demonstrate expertise in high-temperature ultrasonic applications and sonotrode performance in molten Aluminium.</li> <li>• Detailed technical literature, GA drawings, process details, and operating manuals shall be provided.</li> <li>• The offered system shall comply with relevant industrial safety and electrical standards for continuous operation.</li> <li>• The bidder/OEM shall provide installation, commissioning, operator training, and process optimization support during trial runs.</li> </ul> |
| 21 | <b>Service Support</b>                                    | <p>The supplier/OEM shall provide comprehensive installation, commissioning, operator training, troubleshooting assistance, and technical service support for the supplied ultrasonic processing system. Availability of service engineers and response time for technical issues shall be clearly specified in the bid. Remote/online diagnostic support shall also be preferred.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 22 | <b>Warranty</b>                                           | <p>The complete system, including generator, transducer, booster, sonotrode, cooling system, cables, and accessories, shall be covered under a minimum warranty period of 12 months from the date of successful commissioning. During the warranty period, replacement/repair of defective components shall be carried out by the supplier at no additional cost.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 23 | <b>Spare Parts Availability</b>                           | <p>The supplier/OEM shall ensure availability of essential spare parts and consumables for a minimum period of 5 years from the date of supply of the system. A recommended spare parts list for routine maintenance and critical operations shall be provided along with the bid, indicating part numbers, specifications, lead time, and pricing.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |



## SPECIFICATIONS FOR A PILOT-SCALE ULTRASONIC MELT PROCESSING SYSTEM FOR MOLTEN ALUMINIUM

|    |                      |                                                                                                                                                                                                  |
|----|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 24 | <b>Compliance</b>    | Bidder should submit complete specification sheet on bidder letter head duly signed and rubber stamped for above said specifications. If any deviation same to be mentioned in compliance sheet. |
| 25 | <b>Certification</b> | The OEM must possess valid ISO 9001 (Quality Management) certification. In case the bid is submitted through a dealer/authorized partner, the OEM must hold these certifications.                |