



Bid Number/बोली क्रमांक (बिड संख्या):
GEM/2024/B/5664462
Dated/दिनांक : 06-12-2024

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	27-12-2024 13:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	27-12-2024 13:30:00
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	180 (Days)
Ministry/State Name/मंत्रालय/राज्य का नाम	Ministry Of Mines
Department Name/विभाग का नाम	Na
Organisation Name/संगठन का नाम	Jawaharlal Nehru Aluminium Research Development And Design Centre (jnarddc)
Office Name/कार्यालय का नाम	West
Total Quantity/कुल मात्रा	1
Item Category/मद केटेगरी	HyperXtrude Software
GeMARPTS में खोजी गई स्ट्रिंग / Searched Strings used in GeMARPTS	Hypertrude Software
GeMARPTS में खोजा गया परिणाम / Searched Result generated in GeMARPTS	Accounting software, Micro weighing Balance with licensed software, Hypervisor Software, Accessibility Software, Security and Protective Software including Antivirus, WebVPN Software, ELECTRONIC MAIL AND MESSAGING SOFTWARE, Language / multilingual software foreign language software, Operating System Software (V2), Software for ssl certificates authentication server software
अधिसूचना के लिए चयनित प्रासंगिक श्रेणियाँ / Relevant Categories selected for notification	<ul style="list-style-type: none">• Hypervisor Software• Accessibility Software• WebVPN Software
Minimum Average Annual Turnover of the bidder (For 3 Years)/बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का)	29 Lakh (s)
OEM Average Turnover (Last 3 Years)/मूल उपकरण निर्माता का औसत टर्नओवर (गत 3 वर्षों का)	236 Lakh (s)
Years of Past Experience Required for same/similar service/उन्हीं/समान सेवाओं के लिए अपेक्षित विगत अनुभव के वर्ष	3 Year (s)

Bid Details/बिड विवरण	
MSE Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से एमएसई छूट	No
Startup Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से स्टार्टअप छूट	No
Document required from seller/विक्रेता से मांगे गए दस्तावेज	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover,Additional Doc 1 (Requested in ATC),Compliance of BoQ specification and supporting document *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
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
Annual Maintenance Charges Required	Yes
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 दस्तावेज की आवश्यकता है।	Yes
Arbitration Clause	No
Mediation Clause	No

EMD Detail/ईएमडी विवरण

Advisory Bank/एडवाइजरी बैंक	IDBI Bank
EMD Amount/ईएमडी राशि	177000

ePBG Detail/ईपीबीजी विवरण

Advisory Bank/एडवाइजरी बैंक	IDBI Bank
ePBG Percentage(%) / ईपीबीजी प्रतिशत (%)	5.00

Duration of ePBG required (Months)/ईपीबीजी की अपेक्षित अवधि (महीने).

14

(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 :

Senior Administrative Officer

West, NA, Jawaharlal Nehru Aluminium Research Development and Design Centre (JNARDDC), Ministry of Mines (R Srinivasan)

MII Purchase Preference/एमआईआई खरीद वरीयता

MII Purchase Preference/एमआईआई खरीद वरीयता

Yes

MSE Purchase Preference/एमएसई खरीद वरीयता

MSE Purchase Preference/एमएसई खरीद वरीयता

Yes

1. 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.

2. 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.

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.

5. 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.

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.

HyperXtrude Software (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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Annual Maintenance	
Warranty of required product	1 Year
Annual Maintenance Charges Duration (Post Warranty)	5 Year
Annual Maintenance Charges Frequency	Bi-annually

*Warranty displayed under the AMC/CMC Details section will supersede the warranty displayed under the catalog specification

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	Lalit Mohan	440023,Opp Wadi Police Station Amrawati Road	1	60

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

1. Generic

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

2. Generic

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, NAGPUR
JNARDDC
Opposite Wadi Police Station
Amravati Road, Wadi
Nagpur - 440023
.

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

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

6. Generic

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

7. **Generic**

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.

8. **Generic**

IT equipment shall be IPv6 ready from day one.

9. **Generic**

Malicious Code Certificate:

The seller should upload following certificate in the bid:-

(a) This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to :-

(i) Inhibit the desires and designed function of the equipment.

(ii) Cause physical damage to the user or equipment during the exploitation.

(iii) Tap information resident or transient in the equipment/network.

(b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.

10. **Generic**

Non return of Hard Disk: As per Buyer organization's Security Policy, Faulty Hard Disk of Servers/Desktop Computers/ Laptops etc. will not be returned back to the OEM/supplier against warranty replacement.

11. **Generic**

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

5

, Place for Training

JNARDDC, Nagpur

and Duration of training

5

days.

12. **Generic**

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

13. **Generic**

The Buyer has an existing set up / inventory of similar products. The offered / supplied product must be compatible with existing system. The bidder has to ensure Compatibility of the supplied items or shall have to include in the supply the necessary hardware / software to make them compatible at no extra cost to the buyer. The details of items with which compatibility is required are as under:

for existing Hyperworks 10.0 to upgrade to Altair Hyperworks Altair Mechanical Engineer Suite to the latest version of the software

14. **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.

15. **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.

16. Forms of EMD and PBG

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

JNARDDC
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.

17. Forms of EMD and PBG

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

JNARDDC
payable at
Nagpur

.
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.

18. 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, NAGPUR
Account No.
041104000192392
IFSC Code
IBKL0000041
Bank Name
IDBI Bank
Branch address
Gupta House, Rabindranath Tagore Road, Civil Lines, Nagpur - 440001

.
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.

19. 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

JNARDDC
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.

20. 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, NAGPUR
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.

21. Scope of Supply

Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods

22. 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.

23. Certificates

Material Test Certificate Should Be Sent Along with The Supply. The Material Will Be Checked by Buyer's Lab & the Results of the Lab will be the Sole Criteria for Acceptance of the Item.

24. Certificates

The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.

25. Service & Support

Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.

26. Service & Support

Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

27. 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.

28. 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.

29. Past Project Experience

Proof for Past Experience and Project Experience clause: For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria:a. Contract copy along with Invoice(s) with self-certification by the bidder that service/supplies against the invoices have been executed.b. Execution certificate by client with contract value.c. Any other document in support of contract execution like Third Party Inspection release note, etc.**Proof for Past Experience and**

Project Experience clause: For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria:a. Contract copy along with Invoice(s) with self-certification by the bidder that service/supplies against the invoices have been executed.b. Execution certificate by client with contract value.c. Any other document in support of contract execution like Third Party Inspection release note, etc.

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.

Additional Clause For Annual Maintenance Charges

1. AMC charges to be indicated as percentage of cost of Product/Equipment quoted for each year after the warranty period.

2. GST shall be included in the AMC Charges quoted.

3. The AMC functionality shall be available in bid only and no direct RA shall be applicable. In case of bid to RA decrement rules shall be applicable on total price inclusive of AMC charges.

3.1 Buyer shall indicate number of years of warranty by selecting option of 1- 10 Years available in the field depending on warranty parameter applicable in category parameters for the equipment. The Seller while participating in Bid/RA will get fields to indicate AMC charges as percentage depending on number of years of

AMC selected by Buyer. The following shall be applicable If 5 year AMC selected.

- 3.1.1** AMC charges for first year after warranty period – Percentage to be indicated- A1.
- 3.1.2** AMC charges for second year after warranty period – Percentage to be indicated A2.
- 3.1.3** AMC charges for third year after warranty period – Percentage to be indicated A3.
- 3.1.4** AMC charges for fourth year after warranty period – Percentage to be indicated A4.
- 3.1.5** AMC charges for 5th year after warranty period – Percentage to be indicated A5.

3.2 The calculation of AMC Charges shall take in to account of number of years of warranty and duration of AMC as specified while creating bid.

3.3 AMC charges to be indicated for each subsequent year should be same or higher than preceding year.

3.4 The AMC charges shall be offered within range of 3 to 10% of cost of equipment.

4. Since AMC charges are to be paid only later for each year during AMC period , applicable performance guarantee amount after placement of contract shall be based on the cost of product/equipment and not on basis of cost of equipment along with AMC Charges.

5. Performance bank guarantee applicable for AMC is to be submitted at start of the AMC and shall be applicable as 5% on the total contract value including AMC Charges The PBG submitted after award of contract shall be released only after new PBG for the AMC period is submitted and accepted by buyer/consignee after due verification. Bank guarantee for AMC is to remain valid till completion of AMC period plus one year .The bank guarantee for AMC shall be submitted to buyer directly.

6. In case of splitting of quantity product/equipment cost and AMC charges offered by L-1 in the evaluated cost shall be matched by higher quoting eligible bidders on one to one basis .The equipment cost shall be matched and AMC charges shall be matched year to year.

7. The AMC Contract shall be an offline contract to be handled by buyer. The payment of AMC will be made on AMC frequency (as indicated above) basis after satisfactory completion of said period, duly certified by end user and scope of AMC will be as per para 1 above.

[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---

Upgradation of Altair Hyperworks 10.0 to Latest Version

JNARDDC is equipped with Hyperworks10.0 version and invites offers to upgrade the same to Latest version as per the following scope of supply, terms and conditions.

Scope of Supply

- 1) Upgradation of existing Hyperworks 10.0 to Altair Hyperworks Altair Mechanical Engineer suite to the latest version of the software.
- 2) Altair Mechanical Engineer suite-AU-ME-STD-PDUP must contain Process simulation tools for extrusion simulation with the following technical features
 - ✓ Hyper Mesh
 - ✓ HyperView/ Motion View
 - ✓ Hypergraph
 - ✓ SimLab (Pre-post general purpose)
 - ✓ MotionView
 - Solvers**
 - ✓ Optistruct
 - ✓ Radioss
 - ✓ AcuSolve
 - ✓ Motion Solve
 - ✓ HyperStudy
 - ✓ Inspire Mold
- 3) Computer workstation system-1 No. (Highly compatible hardware with cores not less than 24 cores should be supplied as per specifications given in **Annexure B**.)
- 4) Integration of Computer workstation system and software, demonstration, Training and support for complete software package is the responsibility of vendor.
- 5) Benchmarks problems to be solved by the vendor during warranty period- 2 Nos.

Technical specifications of Software-Annexure A

S. No	I. General terms /Credentials of vendor	Yes /No Compliance
1.	All the technical features of the software must be available in commercially released latest version of Altair Hyper works at the time of supply	
2.	The vendor must be an authorized reseller/ distributor of the software. Vendor must have adequate experience in sales and technical support of software. Relevant documents must be submitted along with the bid.	
3.	Details of technical support mechanism from OEM, technical team details, qualifications of support staff etc. must be enclosed.	

4.	The development team from Altair must have participated in benchmarking regarding technical analysis of conformal cooling channels for aluminium extrusion according to the norms of International Conference on Extrusion & Benchmark (ICEB-2023)	
5.	The vendor shall inform the release of latest updates in writing or by email communications. Vendor shall upgrade the software whenever a new version is released free of cost within the warranty & AMC period.	
6.	The prospective vendors will be called for technical presentations and demonstration.	
II. Technical features- Preprocessor-CAD features		
7.	Part modeling features (CAD) must be available with Graphical user Interface (GUI)	
8.	GUI should support basic drafting for simple parts and basic assembly features for rotation, translation and sliding of multiple parts.	
9.	The software should accept and enable editing of three-dimensional CAD models imported from different formats without any need for dedicated translators.	
10.	Data loss during import from neutral formats such as IGES, STEP and ACIS must be minimum and needs to be demonstrated.	
11.	Capabilities to geometry cleanup options for free edges, vertices, edges, face and so on.	
III. Technical features: Material library for analysis		
12.	Should facilitate input of temperature dependent physical, mechanical, and thermal properties of material models such as for linear & nonlinear FE analyses especially for analysis of Aluminium extrusion.	
13.	Should have extensive material library to include constitutive behavior of all extrudable aluminium alloys, Tool Steels, Titanium, Nickel etc. and non-metallic materials etc.	
14.	Material models for elastic, plastic, visco-plastic properties must be available. The user should be permitted to input flow stress values, different constants used in flow stress equation such as Sine hyperbolic equation, Hensel Spittel and other latest material models. User should be able to modify/create new materials.	
15.	Various friction models should be available and User defined friction values should be accommodated.	
IV. Preprocessor-Mesh features		
16.	The software code should be robust and should not crash due to excessive number of elements while simulating complex extrusion geometries.	
17.	The maximum number of elements that can be handled by the software must be mentioned by the vendor.	
18.	Enable generation of robust meshes in one, two, and three-dimensional geometries for analyzing simple to complex geometries with less than 0.5 mm thickness also.	
19.	Statistical and analysis quality checks to ascertain the status of the generated mesh should be available.	

20.	Various options of editing tools must be available for creating, modifying and handling native meshes.	
21.	Re-meshing criteria to replace distorted mesh elements and interpolation of field variables (from the old mesh to the new mesh) based on user-defined criteria.	
V. Solver/ Processor		
22.	The solver should handle implicit and explicit problems in manufacturing and should have capabilities to handle geometric, material and contact nonlinearities.	
23.	The solver should be equipped with customized menus for accurate modeling of aluminium extrusion problems and also for post processing of results.	
24.	Must have capabilities to simulate aluminium extrusion process using Arbitrary Lagrangian Eulerian formulation under steady state and transient state conditions.	
25.	The software should have microstructure module for predicting the grain structure before and after extrusion.	
26.	Should have extensive library and capabilities to model various types of recrystallizations occur during extrusion without any additional cost. Relevant technical literature must be submitted.	
27.	Exclusive training sessions should be arranged for modeling of microstructure during extrusion.	
28.	The software should have technical features to analyze profile cooling/quenching immediately after extrusion.	
29.	The software should predict free surface flow during extrusion.	
30.	Convergence criteria, remesh criteria (if any) for different types of analysis should clearly be mentioned.	
31.	The software should have criteria/feature to determine weld seam quality for the product extruded through port hole die. Weld strength in port holes* .	
32.	Axial taper, radial taper for preheating billet should be available	
33.	The solver should enable particle tracking where the temperature, pressure, stress, strain and other parameters can be closely monitored.	
34.	Solver should enable the user to monitor weld chamber pressure, temperature and time of contact by means of 2D plots, 3D plots and also along a defined paths.	
35.	Must be equipped with a robust contact algorithm to analyze cases involving mechanical, thermal, and thermo-mechanically coupled contacts.	
36.	Facilitate prediction of initial grain size and final grain size after extrusion*.	
37.	The solver should have capabilities to handle large number of tools during die stress analysis.	
38.	The solver should have capabilities to allow the user to define bearing lengths used in dies and optimization of bearing lengths	
39.	Must facilitate Bearing Line Optimization through Hyper Study	

40.	Modelling of the die using optimized bearing length obtained from hyper study to simulate die stress analysis.	
41.	CFD analysis of the conformal cooling die for the flow of coolant in the channels	
VI. Range of analysis		
42.	Provision to incorporate conformal cooling boundary conditions for heat transfer during extrusion along with profile, coupled die deformation etc.	
43.	Hot extrusion- solid and port hole dies- Customized environment for friction at bearing, port holes etc must be available.	
44.	Should have extensive library of reference/example problems for simulation of aluminium extrusion through port hole dies.	
VII. Postprocessor		
45.	The software should give temperature, velocity, pressure, effective strain distribution, extrusion load during the entire cycle of extrusion.	
46.	The output as contour plots, XY-plots, and animation files.	
47.	Facilitate comparative study of un-deformed & deformed configurations of the FE model.	
48.	Export FEA snapshots to TIFF, and XY-data to ASCII format for further processing.	
49.	Provisions to view user defined results of state variables such as temperature, strain, strain rate, pressure, stress, velocity etc should be available.	
50.	Complex 3D models should be possible to cut in a flexible and desired fashion, to enable visualization of internal distributions of the field variables.	
51.	Features to create macros to automate geometric modeling, mesh generation, submission of analysis jobs, and visualization of results.	
52.	Acceptance criteria*	
	<ol style="list-style-type: none"> 1. The software package shall be supplied together with all the manuals, as per the original developer's shipping list. 2. At least three verification problems out of which one port hole die extrusion problem should be solved and demonstrated to the satisfaction of the user scientist. The solution should be duly validated with analytical or experimental results. 3. Capabilities of relevant modules of the software in extrusion must be demonstrated to the satisfaction of end user at JNARDDC, post-installation. 	
	Training	
53.	Onsite training for 5 JNARDDC personnel for a period of 5 days at JNARDDC. Unlimited offsite trainings at Vendor site for minimum two persons. The training material cost should be borne by the vendor only.	
54.	Licensing and Warranty	
55.	<ol style="list-style-type: none"> a. The license for the software should be network license b. 3 years on-site warranty for hardware supported by vendor or by their approved service agent. 	

	<p>c. The software shall possess a comprehensive warranty cover of not less than 12 months from the date of installation and inspection clearance / acceptance at JNARDDC. Any updates issued by the developer during the warranty period shall be supplied free-of-cost and installed by the vendor.</p>	
	Technical Support	
56.	Support shall be provided on-site/Online as and when required during the warranty/AMC period, maximum period of 72 hours w.e.f the receipt of complaint from user.	
57.	Other terms and conditions	
	(a) The original software shall be supplied together with the necessary keys/passwords/license issued in the name of JNARDDC, Nagpur for installation.	
	(b) The software shall be supplied with a complete set of manuals including user, verification and example problems, theory, keyword and installation / troubleshooting manuals. The manuals may be supplied both in hardcopies and softcopy documentation.	
	(c) The vendor shall take immediate and prompt action to generate new passwords for JNARDDC, in case the software cannot be used due to a failure in the hardware. JNARDDC shall identify an alternative machine to enable the vendor to generate new license keys / passwords. This service shall be rendered by the vendor always, even beyond the warranty period (irrespective of whether an AMC is in force or not), free-of-cost.	
	(d) In case the vendor ceases to represent the Software OEM for any reason, JNARDDC shall be informed about the situation immediately. It will be the responsibility of the vendor to link the JNARDDC's software to a new representative / original developer (at his cost) for all future support – on the same terms and conditions. This service shall also be rendered by the vendor always, even beyond the warranty period (irrespective of whether an AMC is in force or not), free-of-cost.	
	(e) The software license agreement should not impose any restriction on usage for various research/commercial/non-commercial etc. work	

Technical specifications of Hardware B

OS	Windows 11 (64-bit) Dell Precision 3260
Processor	13 th Gen Intel Core i9-13900 (24 Cores, 2-5.6 GHz, 65W)
Cores	24 cores
Memory	32GB (2X16 GB, DDR5, 5600MT/s), SO-DIMM, ECC Upgradeable RAM (upto 64) 1 TB, M.2, Gen 4 PCIe NVMe, SSD.
Graphics Card	NVIDIA @Quadro RTX 3000, 6 GB GDDR6, low profile, 4 mDP
Monitor	27 inch 4K resolution monitor 4K 3840 x 2160 at 60 Hz.
UPS	The software must be supplied with online UPS of suitable capacity to support the system in case of power failure for not less than 3 hours.
Warranty	Comprehensive warranty covering three years for operating system and three years for the workstation.
Antivirus	The hardware should be equipped with minimum three years validity of antivirus program to prevent data loss.
Keyboard / Mouse	Wireless 5 multi-function button Mouse with variable weights Wireless Silent Mechanical Keyboard.

Bidder have to submit the technical compliance statement with bidding documents. If any deviation same to be mentione by the bidder.