

**GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
VIKRAM SARABHAI SPACE CENTRE (VSSC)
THIRUVANANTHAPURAM**

Tender for Supply of CuCrZr alloy Powder for AM-LPBF process

Bids to be submitted online

**Tender No.: VSSC/PURCHASE UNIT V (MME PURCHASE)/VS202400446101 dated
21-08-2024**

A. Tender Details

Tender No :	VSSC/PURCHASE UNIT V (MME PURCHASE)/VS202400446101
Tender Date :	21-08-2024
Tender Classification:	GOODS
Purchase Entity :	PURCHASE UNIT V (MME PURCHASE)
Centre :	VIKRAM SARABHAI SPACE CENTRE (VSSC)

Supply of CuCrZr alloy Powder for AM-LPBF process

1.This is a TWO-PART tender. i.e Techno-Commercial Bid (Part-1) and Price Bid (Part-II) shall be submitted separately. All technical and commercial terms and conditions shall be furnished in the Techno-Commercial Bid while price shall be indicated only in the price bid. Uploading price details anywhere else other than price bid shall lead to unconditional rejection of the tender. Please make note of the same.

2.Tenderers are advised NOT TO UPLOAD any documents revealing the price of the main equipment, accessories, spares or AMC along with Part-1 commercial bid. They are how ever requested to upload UNPRICED BIDS (i.e Price details masked) showing appropriate break up of components of main equipment, individual accessories and spares as desired.

3.Technical bids will be opened at the scheduled due date and time. No further intimation will be sent in this regard. The schedule for price bid opening shown is only indicative. Price bids will only be opened in the case of parties who have been techno-commercially accepted, the details of which will be communicated at a later stage.

4.Only Class-I and Class-II Local suppliers as per Make in India Policy are eligible to participate in the bid.

5.Foreign vendors shall not quote.

6.The percentage of Local content should be specifically mentioned in the offer, without which it will be summarily rejected.

7.Preference will be given to Class-I Local Supplier and in their absence, Class-II Local Suppliers will be considered.

8.GST No: Our Goods and Service Tax Registration No 32AAAGV0026J1ZL.

9.GSTIN Rate and HSN Code: Vendors registered under GST shall mention their GSTIN applicable rate and HSN code wherever necessary as per GST Law.

10.Delivery of the item should be made as per commercial terms attached in the tender.

11.Wherever supply, installation, commissioning & training is involved, the bidders shall clearly specify the delivery period for supply of items, time required for installation & commissioning etc.

12. Security Deposit (SD): SD will be applicable if the Purchase Order value is above Rs 5 lakhs. SD at the rate of 3 per cent of order value to be submitted in the form of Bank Guarantee valid till successful completion of PO or Contract if awarded.
13. Liquidated Damages Clause (LD): The delivery period should be realistic. The delivery period so quoted and mentioned in the order is the essence of the PO or Contract. In case of delay in delivery of material as per the delivery schedule LD at 0.5 per cent per week or part thereof on the undelivered portion subject to a maximum of 10 per cent of the contract value shall be levied. Wherever installation and commissioning are also involved the supply will be deemed to have been completed only when the entire Stores is supplied, installed and accepted.
14. LD, clauses are mandatory and offer without acceptance of these clauses will not be considered for evaluation.
15. Delivery terms: Our standard delivery term is FOR VSSC Trivandrum. In case any vendors offer delivery term of Ex-Works, Packing and Forwarding charges, if any, should be indicated separately either as a percentage of the quoted rate or as a lumpsum amount.
16. Payment Terms: Our standard payment term is 100 per cent within 30 days of receipt and acceptance of Stores at our site for indigenous orders and Sight Draft or Wire Transfer or Irrevocable LC (without confirmation) for foreign orders. The Bank charges shall be to respective Accounts.
17. All registered MSME vendors are requested to provide their Registration and Ownership details.
18. Vendors may please note that MSMEs are not exempted from the submission of Security Deposit.
19. Vendors shall provide the name address email ID and contact number of authorised official in order to contact in case of need.
20. If any vendor submits forged or false documents along with their bids, the offer of such vendors will be summarily rejected and such bidders will be blacklisted for all future tenders.
21. Tenders are not transferable and in case any vendor is not interested or able to submit their tenders such vendors may send their regret letter.
22. Wherein PFMS Number is not available, please provide IFSC Code Bank Details etc and upload Copy of Personalized cheque leaf in the name of the Purchase Vendor or NEFT Mandate form duly endorsed by the Bank of the Vendor.
23. Copy of latest filed tax returns
24. Details of registration Number, PAN Card, GST, TIN, NSIC, MSME registration etc.
25. The address of registered site works / workshop / etc.
26. Last minute clarification on tender will not be entertained.
27. PO will be placed on technically and commercially suitable lowest offer basis and VSSC reserves the right to split the order on L1 basis.
28. VSSC has the right to cancel the tender without assigning any reason thereof.
29. Our Bankers: State Bank of India, Thumba Branch, ISRO PO, Trivandrum 695022.
30. Consignee address: Senior Purchase and Stores Officer, Central Stores, RFF, VSSC, ISRO PO, Trivandrum.
31. GST: "In line with Notification No. 01/2017-Central Tax (Rate) dated 28-06-2017, as amended by Notification No. 06/2018-Central Tax (Rate) dated 25-01-2018 and Notification No. 24/2018 Central Tax (Rate) dated 31-12-2018 and corresponding SGST Rate Notifications, GST rate for the goods at Sl. No. 243 B Scientific and technical instruments, apparatus, equipment, accessories, parts,

components, spares, tools, mock up and modules, raw material and consumable required for Launch Vehicles and Satellites and Payloads is 2.5% CGST and 2.5% SGST. IGST is charged at 5 % in terms of Notification No. 01/2017-IGST dated 28-06-2017 as amended by Notification No. 07/2018 IGST dated 25-01-2018 and Notification No. 25/2018 IGST dated 31-12-2018, necessary IGST/CGST/SGST concession certificate shall be issued".

32.If a vendor is not able to submit bid against this tender due to any reason, such vendor is requested to post their REGRET message in the e-procurement portal with clear reasons or email to pso1_mme_pur@vssc.gov.in. Non-submission of bids without regrets will be viewed seriously.

A.1 Tender Schedule

Bid Submission Start Date : **21-08-2024 17:00**

Bid Clarification Due Date : **20-09-2024 14:00**

Bid Submission Due Date : **23-09-2024 14:00**

Bid Opening Date : **23-09-2024 14:05**

Price Bid Opening Date : **01-10-2024 14:00**

B. Tender Attachments

NA

Instructions To Vendors

1. Conditions for BIDDER FROM A COUNTRY WHICH SHARES LAND BORDER WITH INDIA

1. 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.

Competent Authority for the purpose of registration shall be the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT).

2. Any false declaration and non-compliance of the above would be a ground for immediate rejection of offer or termination of the contract and further legal action in accordance with the laws.

3.
Validity of Registration: Registration should be valid at the time of submission of bids and should be valid at the time of placement of order.

2. PPP Make in India(Divisible Items-Class I & II Local Suppliers)

1. A committee (with an external expert from a practicing cost accountant or practicing chartered accountant, if required) constituted for independent verification shall verify the self-declarations & auditor's / accountant's certificates on random basis, as per the requirements.

2. a) The subject item falls under divisible category. b) The offers are sought from Class I & II Local Suppliers.

3. Definitions: A supplier or service provider, whose goods, services or works offered for procurement, has local content: i. Equal to or more than 50%: Class-I local supplier. ii. More than 20% but less than 50%: Class-II local supplier. iii. Less than or equal to 20%: Non-local supplier.

4. False declarations will be in breach of code of the integrity for which a bidder or its successor's will not be eligible/debarred for purchase preference from further tenders / pending tenders for two years along with other actions as may be applicable.

5. In case of a complaint received from any local supplier indicating a need for review / verification of

Local content of successful vendor / awarded vendor, for accepting a complaint from such complainant (w.r.t the false declaration given by the successful vendor on the local content), a complaint fee of Rs.2Lakhs or 1% of the locally manufactured items being procured (subject to a maximum Rs. 5Lakhs), whichever was higher, to be paid by demand draft by the complainant. In case, the complaint is found to be incorrect, the complaint fee shall be forfeited. In case, the complaint is upheld and found to be substantially correct, deposited fee of the complainant would be refunded without any interest.

6. In cases the quoted price is in excess of Rs.1000 Lakhs (including duties, taxes and freight & Insurance) the 'Class-I & II local supplier shall provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in case of suppliers other than companies) giving the percentage of local content.

7. In line with Public Procurement (Preference to Make in India), Order 2017 & its amendments issued by Govt. of India from time to time with a view to support the Indian industries, ISRO has implemented "Purchase Preference Policy". The "Purchase Preference" is applicable for the "Class-I Local Supplier" for the goods/ services/ works covered in this tender, subject to the following terms & conditions:-

8. 'L1' means the lowest technically accepted tender / bid / quotation (i.e. lowest landed cost including duties, taxes and freight & Insurance).

9. 'Local content' means the amount of value added in India (i.e. indigenous items/services added in the offered products/ services/ works) be the total value of the item offered (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties/IGST) as a proportion of the total value (excluding net domestic indirect taxes), in percent.

10. 'Margin of purchase preference' means the maximum extent to which the price quoted by the "Class-I local supplier" above the L1 (landed cost).

11. Purchase Preference Policy:- Goods/Works which are divisible in nature (required quantity is greater than 1 or not a package basis):

i.If L1 is 'Class-1 local supplier', the order/contract for full quantity shall be awarded to L1 bidder.

ii.If L1 bid is not from a 'Class-I local supplier', 50% of the order quantity shall be awarded to L1.

Thereafter, the lowest bidder among the 'Class-I local supplier' will be invited to match the L1 price for the remaining 50% quantity subject to the Class-I local supplier's quoted price falling within the margin of purchase preference (i.e. 20%) and contract for that quantity shall be awarded to such Class-I local supplier subject to matching the L1 price (inclusive of duties, taxes and freight & insurance).

iii.In case such lowest eligible 'Class-I local supplier' fails to match the L1 price or accepts less than the offered quantity, the next higher 'Class-I local supplier' within the margin of purchase 'preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In cases where none of the 'Class-I local supplier' within the margin of purchase agree to

match L1 price, in such cases 100% quantity shall be ordered on original L1 bidder.

iv. In case no offers are received from 'Class-I local supplier' or none of the 'Class-I local supplier' falls within the margin of purchase preference of 20%, the order shall be processed on L1 vendor.

v. In case L1 bidder (not a 'Class-I local supplier') is not accepting splitting of order on 50:50 basis, in that case the order/contract shall be awarded to such 'Class-I local supplier' for full quantity subject to matching the L1 price.

vi. Regarding MSEs (Indian vendors):

a) The following additional aspect as indicated below would be applicable for procurement which falls under divisible category (i.e., not applicable for indivisible category), in case of participation of MSEs in the tendering who are also complying to the Minimum Local Content (MLC) stipulated in the tender.

b) If any Indian vendor satisfies the requirement of MSEs stipulation and also falls within the purchase preference margin as called for in MSME policy (in case of matching L1 price) will be considered for ordering 25% of tendered quantity, the balance quantity / works will be considered for distribution amongst all bidders (including MSEs) as per the purchase preference policy.

c) In case no MSEs qualifies for purchase preference or do not match with L1 price then the total tendered quantity will be distributed amongst all bidders as per the purchase preference policy.

12. The 'Class-I & II local supplier' should provide a "Self Certification" along with technical offer indicating that the item offered meets the minimum local content [as per Sl. No.(3)] as called for in the tender and provide the percentage of local content along with details of the location(s) at which the local value addition is made. In case of two bid tenders, it is mandatory to indicate compliance to MLC(minimum Local Content) in technical bid zone.

13. The ink-signed certificate shall be provided on vendors letter head along with the offer (in case of online tender, copy of ink-signed certificate shall be uploaded along with your offer under concerned tab. Original in Hard copy shall be produced on request). In case of non-submission of certificate, the purchase preference shall not apply.

14. The margin of Purchase Preference shall be up to 20%.

15. The Public Procurement (Preference to Make in India), Order 2017 issued by Govt. of India indicates that if there are any general or specific restrictive clauses to restrict participation of Indian companies in those countries procurement tenders, reciprocity clause need to be invoked as per the order. Hence, if ISRO or Govt. of India come across that Indian suppliers of an item are not allowed to participate and / or compete in procurement by your government, the bid submitted by you will be not be considered and excluded from eligibility for procurement. Please note this point.

16. Works means all works as per Rule 130 of GFR- 2017, and will also include 'turnkey works'. Works includes Engineering, Procurement and Construction (EPC) contracts and services include System Integrator (SI) contracts.

3. PROFORMA FOR TERMS AND CONDITIONS OF TENDER where the indent value is < 2.00 lakhs for indigenous stores items

1. (a) Prices are required to be quoted according to the units indicated in the Price Bid Template. When quotations are given in terms of units other than those specified in the tender form, relationship between the two systems of unit must be furnished.
2. Arbitration: In the event of any dispute or difference arising under these terms & conditions or any condition contained in the Purchase Order or in connection with this Contract. (except as to any matter the decision of which is specially provided for by these conditions), the same shall be dealt with in accordance with the provisions of Arbitration and Conciliation Act, 1996 along with the provisions of the Arbitration and Conciliation (Amendment) Act, 2015 or any other enactment made by Government of India.
3. (b) Packing and Forwarding : The Contractor will be held responsible for the stores being sufficiently and properly packed for transport by rail, road, sea or air, to withstand transit hazards and ensure safe arrival at the destination. The packing and marking of packages shall be done by and at the expense to the Contractor.
4. Goods and Service Tax and/or other duties/levies, where legally leviable and intended to be claimed, should be distinctly shown separately in the Price Bid Template.
5. Guarantee: Wherever mentioned, the stores offered should be guaranteed for a minimum period of twelve months or any other period as mentioned, against defective stores design, operation or manufacture. For defects noticed during the guarantee period, replacement/repair should be arranged free of cost within a reasonable period of such notification. In cases where our specifications call for a guarantee period more than 12 months specifically, then such a period shall apply.
6. Payment terms are full payment within 30 days from the date of receipt and acceptance of material ordered. Our Bankers are State Bank of India, Branch, Thumba (place).
7. Price quoted should be on the basis of FOR, VSSC, Thiruvananthapuram/delivery at site. The Purchaser will not pay separately for transit insurance, and the risk and cost during transit shall be exclusively the responsibility of the Contractor and the purchaser shall pay only for such stores as are actually received in good condition in accordance with the Contract.
8. Quotation should be valid for at least 60 days from the date of opening of the tender.
9. Specifications: Stores offered should strictly conform to Purchaser's specifications. Deviations, if any, shall be clearly indicated by the tenderer in his quotation. The tenderer should also indicate the Make/Type number of the stores offered and provide catalogues, technical literature and samples,

wherever necessary, along with the quotation. Test certificate, wherever necessary, should be forwarded along with supplies. Wherever options are called for in our specifications, the tenderer should address all such options, wherever specifically mentioned by us, and the tenderer could suggest changes to specifications with appropriate response for the same. Even in such case, the tenderer should state why he cannot meet our specification/s and why he is suggesting the change.

10. The Contractor shall at all times indemnify the Purchaser against all claims which may be in respect of the stores for infringement of any right protected by Patent, Registration or design or Trade Mark and shall take all risks of accidents or damage which may cause a failure of the supply from whatever causes arising and the entire responsibility for the sufficiency of all means used by him for the fulfilment of the Contract.

11. The Purchaser reserves the right to accept or reject any quotation fully or partly without assigning any reason therefore.

12. The time for and the date of delivery of the stores stipulated in the Purchase Order shall be deemed to be the essence of the Contract and delivery must be completed not later than the date specified therein, and failure to do so, without adequate justification, may involve cancellation of the Contract at the discretion of the Purchaser

13. Where counter terms and conditions/printed or cyclostyled conditions of sale have been offered by the tenders, the same shall not be deemed to have been accepted by the Purchaser unless the Purchaser's specific written acceptance thereof is obtained.

4. Model certificate to comply the supplier

i. Model Certificate for Tenders (For Transitional Cases)

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I hereby certify that this bidder is not from such a country and is eligible to be considered.

ii. Model Certificate for Tenders

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered.

iii. Model Certificates for Tenders for Work involving possibility of sub-contracting

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contracting from such countries; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority and will not sub-contract any work to a contract from such countries unless such contractor is registered with the Competent Authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered.

C. Bid Templates

C.1 Technical Bid - Supply of CuCrZr alloy Powder for AM-LPBF process

1. AM GRADE METAL POWDER: Supply of CuCrZr Powder for LPBF

Item specifications for AM GRADE METAL POWDER

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply of AM Powder for LPBF	CuCrZr	Yes / No / Explain		
2	Powder Shape	Spherical	Yes / No / Explain		
3	APS	15-60 μ m	Yes / No / Explain		
4	Chemical Composition and Powder Analysis	As per ASTM Standards	Yes / No / Explain		
5	Chemical Composition Cr	0.85 %	Yes / No / Explain		
6	Chemical Composition Zr	0.16%	Yes / No / Explain		
7	Chemical Composition Cu	Balance	Yes / No / Explain		
8	Chemical Composition Others	Less than 1200 ppm	Yes / No / Explain		
9	Flow test by Hall	16 secs/ 50g (nominal)	Yes / No / Explain		
10	Apparent Density	4.70 g/cm ³ (nominal)	Yes / No / Explain		
11	Tapping Density	5.19 g/cm ³ (nominal)	Yes / No / Explain		
12	Hausner's Ratio	1.10 (nominal)	Yes / No / Explain		
13	D10	18-20 μ m	Yes / No / Explain		
14	D50	33-35 μ m	Yes / No / Explain		
15	D90	51-54 μ m	Yes / No / Explain		

Common Specifications (Applicable for all items)

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply of CuCrZr Alloy powder (15-60 micrometer)	Supply of CuCrZr Alloy powder (15-60 micrometer) as per specification given	Yes / No / Explain		

Supporting Documents required from Vendor

- 1. Report on Powder Analysis as per ASTM Standards**
- 2. Report on Chemical Composition as per ASTM standards**
- 3. Report on morphology and PSD**
- 4. Un priced bid**

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	Powders must be supplied in proper sealed packed conditions	Yes / No / Explain	
2	Taxes and other costs, if any . GST : (In line with Notification No. 01/2017-Central Tax (Rate) dated 28-06-2017, as amended by Notification No. 06/2018-Central Tax (Rate) dated 25-01-2018 and Notification No. 24/2018 Central Tax (Rate) dated 31-12-2018 and corresponding SGST Rate Notifications, GST rate for the goods at Sl. No. 243 B : Scientific and technical instruments, apparatus, equipment, accessories, parts, components, spares, tools, mock up and modules, raw material and consumable required for Launch Vehicles and Satellites and Payloads is 2.5% CGST and 2.5% SGST. IGST is charged at 5 % in terms of Notification No. 01/2017-IGST dated 28-06-2017 as amended by Notification No. 07/2018 IGST dated 25-01-2018 and Notification No. 25/2018 IGST dated 31-12-2018, necessary IGST/CGST/SGST concession certificate shall be issued)	Yes / No / Explain	
3	Payment Term: (Our Defalut payment term: For indigenou orders: 100% within 30 days after receipt and acceptance of item at our site.)	Yes / No / Explain	
4	Delivery Terms:FOR VSSC	Yes / No / Explain	
5	Delivery Period	Yes / No / Explain	
6	Liquidated Damages (Applicable beyond the delivery period mentioned in this tender @ 0.5% per week or part thereof on the undelivered portion subject to a maximum of 10% of the contract value. Mandatory compliance required).	Yes / No / Explain	
7	Quote Validity: 90 days from the date of opening of tender	Yes / No / Explain	

8	<p>Definitions: A supplier or service provider, whose goods, services or works offered for procurement, has local content:</p> <p>a) Equal to or more than 50% : Class-I local supplier.</p> <p>b) More than or equal to 20% but less than 50% : Class-II local supplier.</p> <p>c) Less than 20% : Non-local supplier.</p> <p>Mention your category.</p>	Yes / No / Explain	
9	<p>Local content means the amount of value added in India (i.e. indigenous items/services added in the offered products/services/works) be the total value of the item offered (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties/IGST) as a proportion of the total value (excluding net domestic indirect taxes), in percent. Indicate extent of Minimum Local Content in offered product/service and location of such value additions.</p>	Yes / No / Explain	
10	<p>The Class-I & II local supplier should provide a Self Certification along with your offer in PDF format indicating that the item offered meets the minimum local content as called for in the tender as mentioned above and provide the % of local content along with details of the location(s) at which the local value addition is made. In case of two part tenders, it is mandatory to indicate compliance to MLC (minimum local content) in technical bid itself. Confirm attachment of Self declaration along with the offer.</p>	Yes / No / Explain	
11	<p>PO Ordering Address with Name and Contact Details of Sales Person concerned (e-mail and phone number).</p>	Yes / No / Explain	
12	<p>Any Other Terms</p>	Yes / No / Explain	
13	<p>If a vendor is not able to submit bid against this tender due to any reason, such vendor is requested to post their REGRET message in the eprocurement portal with clear reasons or email to sps0_mme_pur@vssc.gov.in. Non-submission of bids without regrets will be viewed seriously</p>	Yes / No / Explain	

14	.The offer shall be submitted in Two Part basis. Acceptance and responses to the technical and commercial terms specified shall be submitted in the first part and price details including offers for maintenance contract and cost of spares shall be submitted in the second part. No cost details including cost of AMC and spares shall be included in the Techno-commercial offer. Offers not meeting the above condition will be summarily rejected.	Yes / No / Explain	
15	Technical and commercial compliance matrix provided along with the tender shall be completely filled with adequate explanation and submitted along with offer. Offers having Yes or incomplete answers will be rejected.	Yes / No / Explain	
16	This is a TWO-PART tender. i.e Techno-Commercial Bid (Part-1) and Price Bid (Part-II) shall be submitted separately. All technical and commercial terms and conditions shall be furnished in the Techno-Commercial Bid while price shall be indicated only in the price bid. Uploading price details anywhere else other than price bid shall lead to unconditional rejection of the tender. Please make note of the same.	Yes / No / Explain	
17	The price shall be firm and fixed.	Yes / No / Explain	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
1	AM GRADE METAL POWDER: Supply of CuCrZr Powder for LPBF	25.00 KG		-		

Common charges (Applicable for all items)

Freight charge	
P&F Charges	