

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

**Tender for Development of Titanium alloy forgings through press
route**

Bids to be submitted online

**Tender No.: VSSC/PURCHASE UNIT V (MME PURCHASE)/VS202100199201 dated
25-06-2021**

A. Tender Details

Tender No : **VSSC/PURCHASE UNIT V (MME PURCHASE)/VS202100199201**

Tender Date : **25-06-2021**

Tender Classification: **WORKS**

Purchase Entity : **PURCHASE UNIT V (MME PURCHASE)**

Centre : **VIKRAM SARABHAI SPACE CENTRE (VSSC)**

Procurement of Development of Titanium alloy forgings through press route

CONSEQUENT TO COVID 19 PANDEMIC AND AS PER DIRECTIONS FROM VSSC AND DOS, NO ADVANCE PAYMENT IS PAYABLE TO THIS TENDER.

1. Only Class I and Class II Local suppliers as per Make in India Policy are eligible to participate in the bid.
2. Foreign vendors are not permitted to quote.
3. The percentage of Local content should be specifically mentioned in the offer, without which it will be summarily rejected.
4. Preference will be given to Class I Local Supplier and in their absence, Class II Local Suppliers will be considered.
5. GST No. Our Goods & Service Tax (GST) Registration No.32AAAGV0026J1ZL.
6. GSTIN, Rate & HSN Code: Vendors registered under GST shall mention their GSTIN, applicable rate and HSN code wherever necessary as per GST Law.
7. Preferred Delivery: NOT APPLICABLE.
8. Customs Duty: Not Applicable.
9. Free Issue Material (FIM): FIM shall be issued to vendors against submission of Bank Guarantee from Scheduled Bank equivalent to the value of FIM. Your offer shall contain acceptance in this regard.
All Risk Insurance Policy in lieu of Bank Guarantee towards Free Issue Material shall be accepted from those private fabricators and Indemnity Bond from Government Organizations / PSUs / Autonomous Bodies; who are reliable, reputed, having proven track record and rich heritage etc. as per the evaluation made by VSSC and that no loading of cost will be made in respect of them and that the comparison of offers will be devoid of this.
Since, free issue material (FIM) is being provided by VSSC, only manufacturer, having all requisite facilities in India shall submit the quotation.
10. Guarantee & replacement: Our requirement of Guarantee is 12 months - NOT APPLICABLE.

11. Performance Bank Guarantee (PBG): PBG @ 3% of order value to be submitted in the form of Bank Guarantee from a Scheduled Bank, valid till successful completion of all contractual obligations, including the warranty period, in case PO/Contract is awarded - NOT APPLICABLE.
12. Security Deposit: SD will be applicable if the Purchase Order value is above Rs.5 lakhs. SD @ 3% of order value to be submitted in the form of Bank Guarantee from a Scheduled Bank, valid till successful completion of PO / Contract, if awarded. - Not Applicable
13. Consolidated SD cum PBG: If both SD and PBG are applicable, a Consolidated SD cum PBG for 3% order value can be submitted in the form of Bank Guarantee from a Scheduled Bank, valid till successful completion of all contractual obligations, including the warranty period - Not Applicable
14. Liquidated Damages Clause: The delivery period should be realistic. The delivery period so quoted and mentioned in the order is the essence of the PO/Contract. In case of delay in delivery of material as per the delivery schedule, LD @ 0.5% per week or part thereof on the undelivered portion subject to a maximum of 10% of the contract value shall be levied. Wherever installation & commissioning is also involved, the supply will be deemed to have been completed only when the entire Stores is supplied, installed and accepted.
15. LD & FIM clauses are mandatory and offer without acceptance of these clauses will not be considered for evaluation.
16. Delivery terms : Our standard delivery term is FOR, VSSC Trivandrum. In case any vendors offer delivery term of Ex-Works, Packing & Forwarding charges, if any, should be indicated separately either as a percentage of the quoted rate or as a lumpsum amount.
17. Payment terms: Our standard payment term is 100% within 30 days on receipt and acceptance of item at our site.
18. All registered MSME vendors are requested to provide their Registration and Ownership details.
19. Vendors may please note that MSMEs are not exempted from the submission of Security Deposit.
20. Vendors shall provide the name, address, email ID and contact number of authorized official in order to contact in case of need.
21. PO will be placed on technically and commercially suitable lowest offer basis and VSSC reserves the right to split the order on L1 basis.
22. If any vendor submits forged / false documents along with the tender, offer of such vendors will be summarily rejected and such bidders will be blacklisted for all future tenders.
23. Tenders are not transferrable and in case any vendor is not interested or able to submit their tenders, such vendors may send their regret letter.
24. VSSC has the right to cancel the tender without assigning any reason etc.
25. (a) We are partially exempted from payment of IGST and eligible for IGST @5% as per guiding Principles conveyed by the Ministry of Finance, Dept. of Revenue Notification No. 47/2017 Integrated Tax (Rate) dated 14.11.2017.
(b) We are partially exempted from payment of IGST and eligible for paying IGST @5% vide Ministry of Finance Dept. of Revenue Notification No.1/2017 Integrated Tax (Rate), Schedule I; Sl.No.243B Dated 28/06/2017 as amended by Notification No. 25/2018 Integrated Tax (Rate) Dated 31/12/2018
(c) We are partially exempted from payment of GST and eligible for paying GST @5% vide Ministry of Finance Dept. of Revenue Notification No. 45/2017 Central Tax (Rate) Dated 14/11/2017 and Government of Kerala Taxes(B) Department Notification No.GO(P) No.169/2017/TAXES Dated

15/11/2017. IGST / GST CONCESSIONAL CERTIFICATE SHALL BE PROVIDED ALONGWITH PURCHASE ORDER. We are partially exempted for payment of IGST and eligible for paying IGST @5% vide Ministry of Finance, Dept. of Revenue Notification No.47/2017 - Integrated Tax (Rate) dtd14/11/2017.

26. 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

27. Copy of latest filed tax returns

28. Details of registration Number, PAN Card, GST, TIN, NSIC, MSME registration etc.

29. The address of registered site works / workshop / etc.

30. This is a Two-Part tender i.e. Techno-Commercial (Part-I) and Price Bid (Part-II). Hence all technical & commercial details shall be furnished in the Technical Bid while price shall be indicated only in the Price Bid.

31. This being a two part tender, Technical & Commercial Part and Price Part separately, the tenderers should not attach any documents containing Pricing information along with Technical & Commercial Bid. We do not open PART-II (Price Bid), if PART-I (Technical & commercial Offer) does not meet with our technical specification requirements. Cost split up, other price details etc. shall be uploaded as a separate document under Commercial Documents from the Vendor tab.

32. Our Tender Enquiry contains technical requirements and specification. The detailed technical specification of your offer should be covered in the technical part which is to be uploaded in Supporting Documents from Vendor. The Technical documents need to be attached online as a single PDF file without any price information. Technical bid containing Price details will be treated as unresponsive offers and rejected.

33. The prices are to be mentioned only in the price Bid form attached. Any price split up regarding the item, sub-systems or other commercial conditions shall be attached as a separate document in the price bid form [Commercial Documents from Vendor]. The vendors have to compulsorily submit the compliance statement online otherwise their offer will not be considered for further evaluation. Before entering the compliance statement, vendors are advised to refer the detailed specification provided.

34. The Technical Specification / Drawing / Product Catalogues / Works carried by vendor / Make offered etc. as a single PDF file without any financial details has to be uploaded online mode in the technical part by the vendor [i.e. Supporting Documents]. This being TWO PART TENDER the PDF document uploaded should not contain any pricing details. If the attached PDF contains any pricing detail the offer will be treated as unresponsive and will be summarily rejected.

35. Last minute clarification on tenders will not be entertained.

36. If you are unable to quote, please send a regret letter/mail.

CONDITIONS FOR BIDDER FROM A COUNTRY WHICH SHARES LAND BORDERS 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.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

3.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.

A.1 Tender Schedule

Bid Submission Start Date : **25-06-2021 17:00**

Bid Clarification Due Date : **23-07-2021 16:00**

Bid Submission Due Date : **27-07-2021 14:00**

Bid Opening Date : **27-07-2021 14:01**

Price Bid Opening Date : **31-08-2021 14:00**

B. Tender Attachments

Technical Write-up/Drawings

Document : Technical specification

Document : Technical specification

Document : Compliance matrix

Document : Compliance matrix

Document : Drawing of CP-70 Ti forging

Document : Specification for Ti6Al4V-ELI

Document : Drawing of Ti6Al4V-ELI forging

Instructions To Vendors

8. 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.

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.

3. 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.

9. PPP Make in India(Non- Divisible Items-All Classes of Suppliers)

1. 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.

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

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

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

5. '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.

6. 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.

7. a) The subject item falls under Non-divisible category. b) The offers are sought from all classes of suppliers.

8. 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:-

9. 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.

10. 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.

11. 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.

12. 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.

13. 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.

14. 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.

15. 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.

16. Purchase Preference Policy:- Goods/Works which are not divisible (ie., required quantity is 1 or as a package) and Services:

a)If L1 is from a 'Class-I local supplier, the contract will be awarded to L1 bidder.

b) If L1 is not from a 'Class-I local supplier', the lowest bidder among the 'Class-I local supplier' will be invited to match the L1 price subject to local supplier's quoted price falling within the margin of purchase preference (i.e. 20%) and the contract shall be awarded to such 'Class-I local supplier' subject to matching the L1 price (inclusive of duties, taxes and freight & insurance).

c) In case such lowest eligible 'Class-I local supplier' fails to match the L1 price, the 'Class-I local supplier' with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on, and order/contract shall be awarded accordingly. In case where none of the 'Class-I local supplier' within the margin of purchase preference agree to match the L1 price, then the order/contract shall be awarded to the original L1 Bidder.

10. Model Certificates for Bidder from a country which shares land border with India

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 - Development of Titanium alloy forgings through press route

1. Ti6Al4V ELI alloy Development of Ti6Al4V-ELI alloy hemispherical forgings. Technical Details as per Annexure-1.

Item specifications for Ti6Al4V ELI alloy

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Drawing No.	MPD/MPRG/CUSP-6160-22	Yes / No / Explain		
2	SCOPE OF SUPPLY	Conversion and supply of Ti6Al4V-ELI alloy hemispherical forgings through press route (Total Quantity: 5 Nos). Technical Specification shall be as per VSSC:MMPS:3103F:2011	Yes / No / Explain		
3	RAW MATERIAL	Department will supply raw materials as FIM required for conversion and supply of these products against submission of Bank guarantee	Yes / No / Explain		
4	PROCESS OF MANUFACTURE	The supplier has to prepare a QAP including process layout indicating critical processing and QC check points, test plan etc as per Technical annexure-I and submit the same to VSSC for formal approval before commencement of forging campaign.	Yes / No / Explain		

5	DIMENSIONAL TOLERANCES	Dimensional tolerance applicable for the forged domes are as per the drawing MPD/MPRG/CUSP-6160-22	Yes / No / Explain		
6	WITNESS BY QC	QC Personnel of VSSC shall witness identified stages of processing & testing as per mutually agreed process/QC Plan. They shall duly sign the test certificates and release note.	Yes / No / Explain		
7	Destructive testing	Cost for destructive testing of one domes per batch (Total: 2 Nos) shall included in the processing cost itself.	Yes / No / Explain		

2. DIES and Toolings for the Item in SI.No-1

3. Titanium (Ti) Development of Titanium alloy (CP-70) hemispherical forgings. Technical Details as per Annexure-2.

Item specifications for Titanium (Ti)

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Drawing No.	256-303-17-170000	Yes / No / Explain		
2	Scope of Supply	Conversion and supply of CP-70 Ti alloy hemispherical forgings through press route (Total Quantity: 5 Nos). Technical Specification shall be as per Annexure-2	Yes / No / Explain		
3	RAW MATERIAL	Department will supply raw materials as FIM required for conversion and supply of these products against submission of Bank guarantee	Yes / No / Explain		

4	PROCESS OF MANUFACTURE	The supplier has to prepare a QAP including process layout indicating critical processing and QC check points, test plan etc as per Technical annexure-2 and submit the same to VSSC for formal approval before commencement of forging campaign.	Yes / No / Explain		
5	DIMENSIONAL TOLERANCES	Dimensional tolerance applicable for the forged domes are as per the drawing 256-303-17-170000	Yes / No / Explain		
6	WITNESS BY QC	QC Personnel of VSSC shall witness identified stages of processing & testing as per mutually agreed process/QC Plan. They shall duly sign the test certificates and release note	Yes / No / Explain		
7	Destructive testing	Cost for destructive testing of one domes per batch (Total: 2 Nos) shall included in the processing cost itself.	Yes / No / Explain		

4. DIES and Toolings for the Item in SI.No-3

Common Specifications (Applicable for all items)

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	VSSC:MMPS: 3103F:2011 & Annexure-1 for the Item in SI.No.1 and Annexure-2 for the Item in SI.No.3		-		

Supporting Documents required from Vendor

1. Bid offer, Technical annexure and specification acceptance

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	Hot forged, Annealed and Proof machined condition	Yes / No / Explain	
2	Payment Term: (Our Defalut payment term: For indigenous orders: 100% within 30 days after receipt and acceptance of item at our site. NOTE: CONSEQUENT TO COVID 19 PANDEMIC AND AS PER EXTANT GUIDELINES FROM DEPARTMENT OF SPACE, NO ADVANCE PAYMENT IS PAYABLE TO THIS TENDER).	Yes / No / Explain	
3	Definitions: A supplier or service provider, whose goods, services or works offered for procurement, has local content: a)Equal to or more than 50% : Class-I local supplier. b)More than 20% but less than 50% : Class-II local supplier. c)Less than or equal to 20% : Non-local supplier. Mention your category.	Yes / No / Explain	
4	PO Ordering Address with Name and Contact Details of Sales Person concerned (e-mail and phone number).	Yes / No / Explain	
5	Any Other Terms	Yes / No / Explain	
6	Taxes and other costs, if any . [Note: VSSC is a Public Funded Research Institution under the administrative control of Department of Space and is eligible for partial exemption of IGST @5% vide Notfn No. 45/2017, 47/2017 dt 14.11.2017 respectively. Necessary IGST EXEMPTION CERTIFICATE shall be issued.]	Yes / No / Explain	

7	Security Deposit (Applicable if Offer Value is Rs. 5 Lakhs or above. MSME/NSIC Units are NOT EXEMPTED from the payment of SD. Bank Guarantee @ 3% of Order Value valid till 60 days from the date of supply to be submitted. Mandatory compliance required. Only Government Bodies/PSUs/PSEs can submit Indentity Bond in lieu of BG. In the event of non-performance of contractual obligations, SD will be forfeited).	Yes / No / Explain	
8	Delivery Terms.	Yes / No / Explain	
9	Delivery Period: Within 9 months from the date of receipt of PO.	Yes / No / Explain	
10	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	
11	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.	Yes / No / Explain	
12	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.	Yes / No / Explain	

13	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.	Yes / No / Explain	
14	Quotation against Tender should be accompanied by the following documents 1.Copy of valid manufacturing license of the agency certificate 2.Copy of latest filed tax returns 3.Details of registration No. PAN Card GST TIN NSIC MSME registration etc. 4.The address registered site works or workshop etc. 5.Sub-contracting details with address if permissible.	Yes / No / Explain	
15	CONSEQUENT TO COVID 19 PANDEMIC AND AS PER INSTRUCTIONS FROM VSSC & DOS, NO ADVANCE PAYMENT IS PAYABLE TO THIS TENDER.	Yes / No / Explain	
16	FIM : All Risk Insurance Policy in lieu of Bank Guarantee towards the equivalent value of Free Issue Material shall be accepted from those private fabricators and Indemnity Bond from Government Organizations / PSUs / Autonomous Bodies; who are reliable, reputed, having proven track record and rich heritage etc. as per the evaluation made by VSSC and that no loading of cost will be made in respect of them and that the comparison of offers will be devoid of this. Your offer shall contain acceptance in this regard.	Yes / No / Explain	
17	30.This is a Two-Part tender i.e. Techno-Commercial (Part-I) and Price Bid (Part-II). Hence all technical & commercial details shall be furnished in the Technical Bid while price shall be indicated only in the Price Bid.	Yes / No / Explain	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
1	Ti6Al4V ELI alloy	5.00 Nos.		-		
2	DIES	1.00 Sets		-		

3	Titanium (Ti)	5.00 Nos.		-		
4	DIES	1.00 Sets		-		