

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

Tender for Manufacture and supply of AA2014 T652 Forgings

Bids to be submitted online

**Tender No.: VSSC/PURCHASE UNIT V (MME PURCHASE)/VS202200194001 dated
02-06-2022**

A. Tender Details

Tender No :	VSSC/PURCHASE UNIT V (MME PURCHASE)/VS202200194001
Tender Date :	02-06-2022
Tender Classification:	GOODS
Purchase Entity :	PURCHASE UNIT V (MME PURCHASE)
Centre :	VIKRAM SARABHAI SPACE CENTRE (VSSC)

Tender for Manufacture and supply of AA2014 T652 Forgings

- 1.This tender is proposed as a DOMESTIC PUBLIC TENDER (SINGLE PART).
- 2.Only Class-I and Class-II Local suppliers as per Make in India Policy are eligible to participate in the bid.
- 3.Foreign vendors are not permitted to quote.
- 4.The percentage of Local content should be specifically mentioned in the offer, without which it will be summarily rejected.
- 5.Preference will be given to Class-I Local Supplier and in their absence, Class-II Local Suppliers will be considered.
- 6.For submission of tenders only through online mode, the prospective bidders who have not registered with our e-procurement system have to register themselves first with VSSC / DOS / ISRO e-procurement portal. The details are available in our website :eproc.vssc.gov.in under new Vendor Registration. For this, Vendors have to submit their credentials for our verification and approval. Unless this stage is completed and approved by VSSC, bidders will not able to participate in the PT bid.
- 7.GST No: Our Goods and Service Tax Registration No 32AAAGV0026J1ZL.
- 8.GSTIN Rate and HSN Code: Vendors registered under GST shall mention their GSTIN applicable rate and HSN code wherever necessary as per GST Law.
- 9.Delivery of the item should be made as per commercial terms attached in the tender.
- 10.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.
- 11.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.
- 12.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.

13.LD, SD clauses are mandatory and offer without acceptance of these clauses will not be considered for evaluation.

14.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.

15.Payment Terms: Our standard payment term is 100 per cent within 30 days of receipt and acceptance of Stores at our site.

16.All registered MSME vendors are requested to provide their Registration and Ownership details.

17.Vendors may please note that MSMEs are not exempted from the submission of Security Deposit.

18.Vendors shall provide the name address email ID and contact number of authorised official in order to contact in case of need.

19.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.

20.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.

21.We are partially exempted from payment of IGST and eligible for paying IGST at a concessional rate of 5 per cent vide Ministry of Finance Dept of Revenue Notification No 1-2017, Integrated Tax Rate Schedule-I SI No 243B Dated 28-06-2017 as amended by Notification No. 25-2018, Integrated Tax Rate Dated 31-12-2018.

22.We are also partially exempted from payment of GST and eligible for paying GST at a concessional rate of 5 per cent 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 CONCESSION CERTIFICATE SHALL BE PROVIDED ALONGWITH PURCHASE ORDER.

23.We are partially exempted for payment of IGST and eligible for paying IGST at concessional rate of 5% vide Ministry of Finance, Dept. of Revenue Notification No.47/2017 - Integrated Tax (Rate) dtd14/11/2017.

24.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.

25.Copy of latest filed tax returns

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

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

28.Last minute clarification on tender will not be entertained.

29.PO will be placed on technically and commercially suitable lowest offer basis and VSSC reserves the right to split the order on L1 basis.

30.VSSC has the right to cancel the tender without assigning any reason thereof.

31.Our Bankers: State Bank of India, Thumba Branch, ISRO PO, Trivandrum 695022.

32.Consignee address: Senior Purchase and Stores Officer, Central Stores, RFF, VSSC, ISRO PO,

Trivandrum.

A.1 Tender Schedule

Bid Submission Start Date : **07-06-2022 10:00**

Bid Clarification Due Date : **23-06-2022 14:00**

Bid Submission Due Date : **05-07-2022 14:00**

Bid Opening Date : **05-07-2022 15:00**

B. Tender Attachments

Technical Write-up/Drawings

Document : Specification DC cast billets

Document : Specification

Instructions To Vendors

3. PROFORMA FOR INSTRUCTIONS TO TENDERERS AND TERMS & CONDITIONS OF TENDER where the indent value is Rs. 2.00 lakhs & above for indigenous stores items

1. (a) All available technical literature, catalogues and other data in support of the specifications and details of the items should be furnished along with the offer.

(b) Samples, if called for, should be submitted free of all charges by the tenderer and the Purchaser shall not be responsible for any loss or damage thereof due to any reason whatsoever. In the event of nonacceptance of tender, the tenderer will have to remove the samples at his own expense.
(c) Approximate net and gross weight of the items offered shall be indicated in your offer. If dimensional details are available the same should also be indicated in your offer.
(d) Specifications: Stores offered should strictly confirm to our specifications. Deviations, if any, should 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 quotations. Test Certificates, wherever necessary, should be forwarded along with supplies. Wherever options have been called for in our specifications, the tenderer should address all such options. Wherever specifically mentioned by us, the tenderer could suggest changes to specifications with appropriate response for the same.
2. (a) All available technical literature, catalogues and other data in support of the specifications and details of the items should be furnished along with the offer.
(b) Samples, if called for, should be submitted free of all charges by the tenderer and the Purchaser shall not be responsible for any loss or damage thereof due to any reason whatsoever. In the event of nonacceptance of tender, the tenderer will have to remove the samples at his own expense.

(c) Approximate net and gross weight of the items offered shall be indicated in your offer. If dimensional details are available the same should also be indicated in your offer.
(d) Specifications: Stores offered should strictly confirm to our specifications. Deviations, if any, should 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 quotations. Test Certificates, wherever necessary, should be forwarded along with supplies. Wherever options have been called for in our specifications, the tenderer should address all such options. Wherever specifically mentioned by us, the tenderer could suggest changes

to specifications with appropriate response for the same.

3. ACCEPTANCE OF STORES:

(a) The stores shall be tendered by the Contractor for inspection at such places as may be specified by the purchaser at the Contractor's own risk, expense and cost.

(b) It is expressly agreed that the acceptance of the stores Contracted for, is subject to final approval by the purchaser, whose decision shall be final.

(c) If, in the opinion of the purchaser, all or any of the stores do not meet the performance or quality requirements specified in the Purchase Order, they may be either rejected or accepted at a price to be fixed by the purchaser and his decision as to rejection and the prices to be fixed shall be final and binding on the Contractor.

(d) If the whole or any part of the stores supplied are rejected in accordance with Clause No. (c) above, the purchaser shall be at liberty, with or without notice to the Contractor, to purchase in the open market at the expense of the Contractor stores meeting the necessary performance and quality Contracted for in place of those rejected, provided that either the purchase, or the agreement to purchase, from another supplier is made within six months from the date of rejection of the stores as aforesaid.

4. As a Government of India Department, this office is exempted from payment of Octroi and similar local levies. Tenderers shall ensure that necessary Exemption Certificates are obtained by them from the Purchase Officer concerned to avoid any payment of such levies.

5. a) Your offer should be valid for 90 days from the date of opening of the tender.

b) Prices are required to be quoted according to the units indicated in the annexed tender form. When quotations are given in terms of units other than those specified in the tender form, relationship between the two sets of units must be furnished.

6. DESPATCH: The Contractor is responsible for obtaining a clear receipt from the Transport Authorities specifying the goods despatched. The consignment should be despatched with clear Railway Receipt/Lorry Receipt. If sent in any other mode, it shall be at the risk of the Contractor. Purchaser will take no responsibility for short deliveries or wrong supply of goods when the same are booked on 'said to contain' basis. Purchaser shall pay for only such stores as are actually received by them in accordance with the Contract.

7. d) The term 'Purchase Order' shall mean the communication signed on behalf of the Purchaser by an Officer duly authorised intimating the acceptance on behalf of the Purchaser on the terms and conditions mentioned or referred to in the said communication accepting the tender or offer of the Contractor for supply of stores or plant, machinery or equipment or part thereof.

8. GUARANTEE & REPLACEMENT:

(a) The Contractor shall guarantee that the stores supplied shall comply fully with the specifications laid

down, for material, workmanship and performance.

(b) For a period of twelve months after the acceptance of the stores, if any defects are discovered therein or any defects therein found to have developed under proper use, arising from faulty stores design or workmanship, the Contractor shall remedy such defects at his own cost provided he is called upon to do so within a period of 14 months from the date of acceptance thereof by the purchaser who shall state in writing in what respect the stores or any part thereof are faulty.

(c) If, in the opinion of the purchaser, it becomes necessary to replace or renew any defective stores such replacement or renewal shall be made by the Contractor free of all costs to the purchaser, provided the notice informing the Contractor of the defect is given by the purchaser in this regard within the said period of 14 months from the date of acceptance thereof.

(d) Should the Contractor fail to rectify the defects, the purchaser shall have the right to reject or repair or replace at the cost of the Contractor the whole or any portion of the defective stores.

(e) The decision of the Purchaser notwithstanding any prior approval or acceptance or inspection thereof on behalf of the Purchaser, as to whether or not the Stores supplied by the Contractor are defective or any defect has developed within the said period of 12 months or any other period or as to whether the nature of defects requires renewal or replacement, shall be final, conclusive and binding on the Contractor.

(f) To fulfill guarantee conditions outlined in (a) to (e) above, the Contractor shall, at the option of the Purchaser, furnish a Bank Guarantee (as prescribed by the Purchaser)

9. PACKING FORWARDING & INSURANCE: 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 of the Contractor. The purchaser will not pay separately for transit insurance, all risks in transit being exclusively of the Contractor and the Purchaser shall pay only for such stores as are actually received in good condition in accordance with the Contract.

10. Preference will be given to those tenders offering supplies from ready stocks and on the basis of FOR destination/delivery at site.

11. PRICES: Tender offering firm prices will be preferred. Where a price variation clause is insisted upon by a tenderer, quotation with a reasonable ceiling should be submitted. Such offers should invariably be supported by the base price taken into account at the time of tendering and also the formula for any such variation/s.

12. REJECTED STORES:

Rejected stores will remain at destination at the Contractor's risk and responsibility. If instructions for their disposal are not received from the Contractor within a period of 14 days from the date of receipt of the advice of rejection, the purchaser or his representative has, at his discretion, the right to scrap or sell or consign the rejected stores to Contractor's address at the Contractor's entire risk and expense, freight being payable by the Contractor at actuals.

13. Sales Tax and/or other duties/levies legally leviable and intended to be claimed should be mentioned in the price bid template. If nothing is mentioned, then it will be presumed that the rate quoted is inclusive of all taxes/duties.

14. SECURITY DEPOSIT: Wherever, the Purchase Order value is Rs. 5.00 Lakhs or more, on acceptance of the tender, the Contractor shall, at the option of the Purchaser and within the period specified by him, deposit with him, in cash or in any other form as the Purchaser may determine, security deposit not exceeding ten percent of the value of the Contract as the Purchaser shall specify. If the Contractor is called upon by the Purchaser to deposit, 'Security' and the Contractor fails to provide the security within the period specified, such failure shall constitute a breach of the Contract, and the Purchaser shall be entitled to make other arrangements for the re-purchase of the stores Contracted at the risk of the Contractor in terms of Sub-Clause (ii) and (iii) of clause regarding Delivery. (b) hereof and/or to recover from the Contractor, damages arising from such cancellation.

15. TERMS & CONDITIONS OF TENDER

16. TEST CERTIFICATE: Wherever required, test certificates should be sent along with the despatch documents.

17. The authority of the person signing the tender, if called for, should be produced.

18. The Purchaser reserves the right to place order on the successful tenderer for additional quantity up to 25% of the quantity offered by them at the rates quoted.

19. The purchaser shall be under no obligation to accept the lowest or any tender and reserves the right of acceptance of the whole or any part of the tender or portions of the quantity offered and the tenderers shall supply the same at the rates quoted.

20. The tenderer should supply along with his tender, the name of his bankers as well as the latest Income-Tax clearance certificate duly countersigned by the Income-Tax Officer of the Circle concerned under the seal of his office, if required by the Purchaser.

21. The term Contractor shall mean, the person, firm or company with whom or with which the order for the supply of Stores is placed and shall be deemed to include the Contractor's successors, representative, heirs, executors and administrators unless excluded by the Contract.

22. The term Purchaser shall mean the President of India or his successors or assigns.

23. The term 'Stores' shall mean what the Contractor agrees to supply under the Contract as specified in the Purchase Order including erection of plants & machinery and subsequent testing, should such a condition is included in the Purchase Order.

4. 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 - Manufacture and supply of AA2014 T652 Forgings

1. Aluminium Alloy / Manufacture and supply of AA2014 T652 Forgings in proof machined condition and conforming to the specification requirement of VSSC:MMPS:2201F:2011.

Block - Th 260 x W 280 x L 540 mm

2. Aluminium Alloy AA2014 T652 Forgings :

Block -Th 200 x W 280 x L 370 mm

3. Aluminium Alloy AA2014 T652 Forgings:

Block - Th 160 x W 350 x L 800 mm

4. Aluminium Alloy AA2014 T652 Forgings:

Block - Th 150 x W 570 x L 790 mm

Common Specifications (Applicable for all items)

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	Eligible Vendors	Offers from Indian manufacturers only having in-house facilities as per clause 2, 3 & 4 given below will be acceptable. Offers from traders will not be considered.	Yes / No / Explain		
2	Hydraulic Press	Hydraulic press of minimum 2500MT capacity for forging and stress relieving operation	Yes / No / Explain		
3	Heat Treatment Furnace	Electrically heated drop bottom furnace and aging furnace with very good temperature accuracy for heat treatment	Yes / No / Explain		
4	Testing Facilities	tensile testing, ultrasonic inspection, microstructure and macrostructure evaluation facilities.	Yes / No / Explain		

5	Forging specification	All the forgings shall confirm to the specification VSSC: MMPS:2201F:2011	Yes / No / Explain		
6	Input billet	Input billets used for realization of forgings shall be sourced from VSSC approved manufacturer confirming to specification VSSC :MMPS :2201 B/S(DC):2011. Hydrogen content in input billets shall be less than 0.15 ml/100 gm of molten metal at the casting stage. Input billets shall be ultrasonically qualified to Class 'A' as per AMS2630B.	Yes / No / Explain		
7	Process plan	Process cum QC plan to be submitted for our approval prior to production	Yes / No / Explain		
8	Forging Operation	Forging shall be carried out through hydraulic press having capacity of 2500MT or higher.	Yes / No / Explain		
9	Stress relieving	Stress relieving shall be carried out only by using hydraulic press.	Yes / No / Explain		
10	Inspection	Pre-dispatch inspection will be carried out by our engineers.	Yes / No / Explain		
11	Dimensional tolerance	Dimensional tolerance shall be +5/-0 mm on Th, W & L.	Yes / No / Explain		
12	Test certificates	All test certificates as per the specification shall be supplied .	Yes / No / Explain		
13	Delivery period	Delivery shall be completed within 8 months from date of P.O	Yes / No / Explain		

Supporting Documents required from Vendor

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	Manufacture and supply of AA2014 T652 Forgings as per VSSC :MMPS:2201F:2011	Yes / No / Explain	
2	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 CONCESSIONAL CERTIFICATE shall be issued.]	Yes / No / Explain	
3	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	
4	Delivery Terms: FOR, VSSC	Yes / No / Explain	
5	Delivery Period: Within 08 months from date of P.O	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	Payment Term: Our Default payment term: For indigenous orders: 100% within 30 days after receipt and acceptance of item at our site.	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 20% but less than 50% : Class-II local supplier.</p> <p>c) Less than or equal to 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>Quote should be in INR</p>	Yes / No / Explain	
14	<p>Quote validity: Minimum 90 days from the date of opening of tender</p>	Yes / No / Explain	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
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1	Aluminium Alloy / Manufacture and supply of AA2014 T652 Forgings in proof machined condition and conforming to the specification requirement of VSSC:MMPS :2201F:2011. Block - Th 260 x W 280 x L 540 mm	10.00 Nos.					
2	Aluminium Alloy AA2014 T652 Forgings : Block -Th 200 x W 280 x L 370 mm	10.00 Nos.					
3	Aluminium Alloy AA2014 T652 Forgings: Block - Th 160 x W 350 x L 800 mm	10.00 Nos.					
4	Aluminium Alloy AA2014 T652 Forgings: Block - Th 150 x W 570 x L 790 mm	10.00 Nos.					

Common charges (Applicable for all items)

Freight charge	
P&F Charges	