

**GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
LIQUID PROPULSION SYSTEMS CENTRE, VALIAMALA (LPSC)
THIRUVANANTHAPURAM**

Tender for Procurement of Transit boxes for CE20 engine turbopumps

Bids to be submitted online

Tender No.: LPSC/LVF/LP202500000801 dated 16-01-2025

A. Tender Details

| | |
|------------------------|---|
| Tender No : | LPSC/LVF/LP202500000801 |
| Tender Date : | 16-01-2025 |
| Tender Classification: | GOODS |
| Purchase Entity : | LVF |
| Centre : | LIQUID PROPULSION SYSTEMS CENTRE, VALIAMALA (LPSC) |

Procurement of Transit boxes for CE20 engine turbopumps

For and on behalf of the President of India, the Head, Purchase and Stores, Liquid Propulsion Systems Centre (LPSC), Valiamala , Thiruvananthapuram invites tenders through e-procurement mode; <https://eproc.isro.gov.in>.

Prospective vendors interested in participating in the tendering process need to get registered in the portal by using Digital Signature Certificate. Offers submitted through our online portal only will be considered and no other means will be considered.

Detailed instruction, pre-requisites and illustrative tutorials for bid enrollment, preparation etc. are available in the portal at <https://eproc.isro.gov.in>. A help desk is also functioning to assist the vendors whose contact details are available in the portal.

A.1 Tender Schedule

| | |
|------------------------------|-------------------------|
| Bid Submission Start Date : | 16-01-2025 18:07 |
| Bid Clarification Due Date : | 21-01-2025 16:06 |
| Bid Submission Due Date : | 06-02-2025 14:30 |
| Bid Opening Date : | 06-02-2025 14:30 |

B. Tender Attachments

Technical Write-up/Drawings

Document : Scope of work and specification

Instructions To Vendors

C. Bid Templates

C.1 Technical Bid - Procurement of Transit boxes for CE20 engine turbopumps

- 1. Container Fabrication: LOX Pump Inducer Casing Assembly**
- 2. Container Fabrication: LOX Pump Volute Assembly**
- 3. Container Fabrication LOX Pump Bearing Housing Assembly**
- 4. Container Fabrication LOX Pump Impeller Assembly**
- 5. Container Fabrication LOX Pump Seal Housing Assembly**
- 6. Container Fabrication LOX Turbine Housing Assembly**
- 7. Container Fabrication LOX Turbine Rotor Assembly**
- 8. Container Fabrication LOX Turbine Exhaust Casing**
- 9. Container Fabrication LOX Pump Inducer**
- 10. Container Fabrication Floating Ring (front)**
- 11. Container Fabrication Floating Ring Nut (F)**
- 12. Container Fabrication Floating Ring (rear)**
- 13. Container Fabrication Floating Ring Nut (R)**
- 14. Container Fabrication Hot Gas Seal Support**

- 15. Container Fabrication LOX Turbine stator**
- 16. Container Fabrication LH2 Pump Inducer Casing Assembly**
- 17. Container Fabrication LH2 Pump First Stage Volute Assembly**
- 18. Container Fabrication LH2 Pump First Stage Impeller Assembly**
- 19. Container Fabrication LH2 Pump First Stage Impeller Body**
- 20. Container Fabrication LH2 Pump First Stage Impeller Cover**
- 21. Container Fabrication LH2 Pump Interstage Housing Assembly**
- 22. Container Fabrication LH2 Pump Second Stage Volute Assembly**
- 23. Container Fabrication LH2 Pump Second Stage Impeller Assembly**
- 24. Container Fabrication LH2 Pump Second Stage Impeller Body**
- 25. Container Fabrication LH2 Pump Second Stage Impeller Cover**
- 26. Container Fabrication LH2 Intermediate Pipe Assembly**
- 27. Container Fabrication LH2 Turbine First Rotor Assembly**
- 28. Container Fabrication LH2 Turbine Housing Assembly**
- 29. Container Fabrication LH2 First Stage Seal Assembly**
- 30. Container Fabrication LH2 Second Stage Seal Assembly -1**

31. Container Fabrication LH2 Second Stage Seal Assembly -2

32. Container Fabrication LH2 Turbine Exhaust Casing

33. Container Fabrication LH2 Pump Inducer

34. Container Fabrication Inner Orifice Balance Position

35. Container Fabrication LH2 Turbine Stator

36. Container Fabrication LH2 Turbine Second Rotor

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 | As per scope of work attached | Yes / No / Explain | |
| 2 | As per the Rule 144(xi) of General Financial Rule ,2017, any bidder from a country which shares a land border with India will be eligible to bid in any procurement whether of goods, services (including consultancy service and non-consultancy services) or works (including turnkey projects) only if the bidder is registered with the competent authority ie., Department for Promotion of Industry and Internal Trade (DPIIT). Hence, Vendors or Agents of a Vendor (Indian or others) from a country sharing border with India shall submit copy of valid registration made with Department for Promotion of Industry and Internal Trade (DPIIT), Government of India along with the tender mandatorily, without which the offer will be treated as invalid. | Yes / No / Explain | |
| 3 | Whether applicable GST percentage mentioned in your offer.(We are eligible for IGST @ 5% as per the Department of Revenue Notification No. 25/2018 Integrated Tax (Rate) Schedule-I; Sl.No.243B dated 31.12.2018 (Amendment to Notification No. 7/2018 - Integrated Tax (Rate) dated 25.01.2018 and Notification No. 1/2017 - Integrated Tax (Rate) dated 28.06.2017) (If mentioned as EXTRA OR INCLUDED in your quote, please mention the percentage in Remarks Column). | Yes / No / Explain | |
| 4 | ISRO is eligible for Customs Duty Concession vide Notification No.12/2012-Customs dated 17.03.2012. and Notification No. 50/2017-customs dtd 30.06.2017 [We will provide Customs Duty Concession Certificate for bought out items being imported for manufacturing the ordered items (List of items to be imported with quantities to be enclosed along with offer) OR for Orders placed on Foreign Vendors OR for High Sea Sale orders.] | Yes / No / Explain | |

| | | | |
|----|--|--------------------|--|
| 5 | Installation Charges, if any, (If mentioned as EXTRA OR INCLUDED in your quote, please mention the percentage in Remarks Column). | Yes / No / Explain | |
| 6 | Delivery Term :- FOR : LPSC, VALIAMALA In case of Foreign orders, FOB or FCA. If "NO" specify the exact delivery term with relevant details in remarks column | Yes / No / Explain | |
| 7 | Delivery Period (If any specific delivery period is mentioned in the tender, please comply the same. If not agreed, please mention your delivery period in remarks column OR if already mentioned in your quote please mention as already furnished in the quote) | Yes / No / Explain | |
| 8 | Payment Term :- (a)100% payment shall be made through RTGS within 30 days of receipt and acceptance of the item at our site. (b)In case of Foreign orders, Payment term shall be SIGHT DRAFT / 80% BY IRREVOCABLE LETTER OF CREDIT AND BALANCE 20% BY WIRE TRANSFER AFTER RECEIPT & ACCEPTANCE OF THE ORDERED ITEM. | Yes / No / Explain | |
| 9 | Liquidated Damages (LD) :- If the ordered items are not supplied within the delivery schedule, LD shall be levied from your bill @ 0.5% per week for the undelivered items subject to a maximum of 5% of the order value for the delayed period. However in case of inordinate delay i.e, delays of more than one-fourth (25%) of the total completion period, LD shall be applicable subject to a maximum of 10%. | Yes / No / Explain | |
| 10 | Warranty :- Warranty for the offered item shall be from the date of installation/acceptance of the item at our site for a minimum period of one years or as specified in the tender document. | Yes / No / Explain | |

| | | | |
|----|---|--------------------|--|
| 11 | <p>Security Deposit (SD) :- (only for order value above Rs.50 Lakh) You have to furnish a Bank Guarantee for 3% of the order value (from a bank of international repute in case of foreign vendors) within 10 days of receipt of Order towards the faithful execution of the order valid till the completion of the scope of work as per order plus sixty days. (This will be returned to you immediately on execution of the order satisfactorily as per order terms. In case of non-performance / poor performance, the amount will be forfeited).</p> | Yes / No / Explain | |
| 12 | <p>Performance Bank Guarantee (PBG) :- You have to submit a PBG from a Nationalised / Scheduled Bank (from a bank of international repute incase of foreign vendors) for 3% of the order value towards the performance of the system at the time of supply valid till the completion of warranty period plus 60 days as per the format provided by the Department. OR 3% OF THE ORDER VALUE SHALL BE WITH HELD TILL THE COMPLETION OF WARRANTY PERIOD PLUS 60 DAYS.</p> | Yes / No / Explain | |
| 13 | <p>In case, if parties are unable to provide two separate BGs, i.e., one for SD and one for PBG, they can submit a combined BG for SD & PBG within 10 days of receipt of order for 3% of order value valid till the completion of total contractual obligation (i.e., supply period plus warranty period plus 60 days) as per the format provided by the Department.</p> | Yes / No / Explain | |
| 14 | <p>Insurance :- Being a Govt. Of India Dept., Insurance is not required at our cost. Please ensure the safe delivery of the ordered item with proper AIR / SEA / ROAD worthy packing.</p> | Yes / No / Explain | |

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|----|--|--------------------|--|
| 15 | <p>Validity of Offer :-</p> <p>(a)The validity of the offers should be 90 days (in case of single part tender) from the date of opening of the tenders.</p> <p>(b)The validity of the offers should be 120 days (in case two part tender) from the date of opening of the tenders.</p> <p>Note :- Tenders shorter than offer validity mentioned above will not be considered for evaluation.</p> | Yes / No / Explain | |
| 16 | Bank Details, viz., Bank Name, Branch, Address, Account No., IFSC (Details to be given in Vendor Terms Column) | Yes / No / Explain | |
| 17 | PAN No. (Details to be furnished in Vendor Terms Column) | Yes / No / Explain | |
| 18 | GST No. (Details to be given in Vendor Terms Column) | Yes / No / Explain | |
| 19 | Purchase Order to be placed on whom (Please mention the Address, Phone No. & E-mail id) | Yes / No / Explain | |
| 20 | HSN Code of offered items | Yes / No / Explain | |
| 21 | Local content involved in the quoted item shall be declared/ certified in percentage. | Yes / No / Explain | |
| 22 | Furnish the details of place(s) where the value addition for the quoted item takes place. | Yes / No / Explain | |
| 23 | State whether MSE or not. If yes, please provide the necessary documentary proof | Yes / No / Explain | |

C.3 Price Bid

| Sl. No. | Item | Quantity | Unit Price | Currency | Total Price | Other Costs, if any | Remark |
|---------|---|-----------|------------|----------|-------------|---------------------|--------|
| 1 | Container Fabrication: LOX Pump Inducer Casing Assembly | 2.00 Nos. | | - | | | |
| 2 | Container Fabrication: LOX Pump Volute Assembly | 2.00 Nos. | | - | | | |

| | | | | | | | |
|----|--|-----------|--|---|--|--|--|
| 3 | Container Fabrication LOX Pump Bearing Housing Assembly | 2.00 Nos. | | - | | | |
| 4 | Container Fabrication LOX Pump Impeller Assembly | 2.00 Nos. | | - | | | |
| 5 | Container Fabrication LOX Pump Seal Housing Assembly | 2.00 Nos. | | - | | | |
| 6 | Container Fabrication LOX Turbine Housing Assembly | 2.00 Nos. | | - | | | |
| 7 | Container Fabrication LOX Turbine Rotor Assembly | 2.00 Nos. | | - | | | |
| 8 | Container Fabrication LOX Turbine Exhaust Casing | 2.00 Nos. | | - | | | |
| 9 | Container Fabrication LOX Pump Inducer | 2.00 Nos. | | - | | | |
| 10 | Container Fabrication Floating Ring (front) | 2.00 Nos. | | - | | | |
| 11 | Container Fabrication Floating Ring Nut (F) | 2.00 Nos. | | - | | | |
| 12 | Container Fabrication Floating Ring (rear) | 2.00 Nos. | | - | | | |
| 13 | Container Fabrication Floating Ring Nut (R) | 2.00 Nos. | | - | | | |

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|----|---|-----------|--|---|--|--|--|
| 14 | Container Fabrication Hot Gas Seal Support | 2.00 Nos. | | - | | | |
| 15 | Container Fabrication LOX Turbine stator | 2.00 Nos. | | - | | | |
| 16 | Container Fabrication LH2 Pump Inducer Casing Assembly | 2.00 Nos. | | - | | | |
| 17 | Container Fabrication LH2 Pump First Stage Volute Assembly | 2.00 Nos. | | - | | | |
| 18 | Container Fabrication LH2 Pump First Stage Impeller Assembly | 2.00 Nos. | | - | | | |
| 19 | Container Fabrication LH2 Pump First Stage Impeller Body | 2.00 Nos. | | - | | | |
| 20 | Container Fabrication LH2 Pump First Stage Impeller Cover | 2.00 Nos. | | - | | | |
| 21 | Container Fabrication LH2 Pump Interstage Housing Assembly | 2.00 Nos. | | - | | | |
| 22 | Container Fabrication LH2 Pump Second Stage Volute Assembly | 2.00 Nos. | | - | | | |

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|----|---|-----------|--|---|--|--|--|
| 23 | Container Fabrication LH2 Pump Second Stage Impeller Assembly | 2.00 Nos. | | - | | | |
| 24 | Container Fabrication LH2 Pump Second Stage Impeller Body | 2.00 Nos. | | - | | | |
| 25 | Container Fabrication LH2 Pump Second Stage Impeller Cover | 2.00 Nos. | | - | | | |
| 26 | Container Fabrication LH2 Intermediat e Pipe Assembly | 2.00 Nos. | | - | | | |
| 27 | Container Fabrication LH2 Turbine First Rotor Assembly | 2.00 Nos. | | - | | | |
| 28 | Container Fabrication LH2 Turbine Housing Assembly | 2.00 Nos. | | - | | | |
| 29 | Container Fabrication LH2 First Stage Seal Assembly | 2.00 Nos. | | - | | | |
| 30 | Container Fabrication LH2 Second Stage Seal Assembly - 1 | 2.00 Nos. | | - | | | |
| 31 | Container Fabrication LH2 Second Stage Seal Assembly - 2 | 2.00 Nos. | | - | | | |

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|----|---|-----------|--|---|--|--|--|
| 32 | Container Fabrication LH2 Turbine Exhaust Casing | 2.00 Nos. | | - | | | |
| 33 | Container Fabrication LH2 Pump Inducer | 2.00 Nos. | | - | | | |
| 34 | Container Fabrication Inner Orifice Balance Position | 2.00 Nos. | | - | | | |
| 35 | Container Fabrication LH2 Turbine Stator | 2.00 Nos. | | - | | | |
| 36 | Container Fabrication LH2 Turbine Second Rotor | 2.00 Nos. | | - | | | |

Common charges (Applicable for all items)

| | |
|---|--|
| Additional Costs, if any | |
| Additional Costs, if any (Value) | |