



भारत सरकार/Government of India
अंतरिक्ष विभाग/Department of Space
द्रव नोदन प्रणाली केंद्र
LIQUID PROPULSION SYSTEMS CENTRE
एच ए एल II स्टेज, 80 फीट रोड
HAL II STAGE, 80 FEET ROAD,
बेंगलूरु/BANGALORE-560 008.
फोन सं./Phone No.080 25037171/140
ई-मेल/Email: purchase@lpscb.gov.in



दिनांक/Date: 24.07.2025

लोक निविदा सूचना सं. एल बी2025000206-01 दिनांक 24.07.2025
PUBLIC TENDER NOTICE NO. LB2025000206-01 DATED 24.07.2025

गैस अभिवर्धक प्रणाली की आपूर्ति के लिए निविदा।
Tender for Supply of Gas Booster System

निविदा वर्गीकरण: लोक निविदा
Tender Classification: PUBLIC TENDER

निविदा की निर्धारित तिथियाँ/TENDER SCHEDULE

| | |
|---|--------------------|
| बोली प्रस्तुति की आरंभिक तिथि/Bid Submission Start Date | : 24.07.2025 18:00 |
| बोली स्पष्टीकरण की नियत तिथि/Bid Clarification Due Date | : 07.08.2025 14:00 |
| बोली प्रस्तुतीकरण की नियत तिथि/Bid Submission Due Date | : 14.08.2025 14:00 |
| बोली खुलने की तिथि/Bid Opening Date | : 14.08.2025 14:30 |
| मूल्य बोली खुलने की तिथि / Price Bid Opening Date | : 28.08.2025 14:00 |

निविदा दस्तावेज़ <https://www.isro.gov.in/> OR <https://eproc.vssc.gov.in> या इसरो ई-प्रापण पोर्टल से डाउनलोड किए जा सकते हैं।/Tender documents can be downloaded from <https://www.isro.gov.in/> OR <https://eproc.vssc.gov.in> or ISRO E-Procurement Portal.

हस्ताक्षरित/Signed
क्रय व भंडार अधिकारी/Purchase & Stores Officer

**GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
LIQUID PROPULSION SYSTEMS CENTRE (LPSC-B)
BANGALORE**

Tender for Supply of Gas booster System

Bids to be submitted online

**Tender No.: LPSC-B/Liquid Propulsion Systems Centre,
Bengaluru/LB202500020601 dated 24-07-2025**

A. Tender Details

| | |
|------------------------|--|
| Tender No : | LPSC-B/Liquid Propulsion Systems Centre, Bengaluru/LB202500020601 |
| Tender Date : | 24-07-2025 |
| Tender Classification: | GOODS |
| Purchase Entity : | Liquid Propulsion Systems Centre, Bengaluru |
| Centre : | LIQUID PROPULSION SYSTEMS CENTRE (LPSC-B) |

Supply of Gas booster System

Supply of Gas booster System

A.1 Tender Schedule

| | |
|------------------------------|-------------------------|
| Bid Submission Start Date : | 24-07-2025 18:00 |
| Bid Clarification Due Date : | 07-08-2025 14:00 |
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| Bid Opening Date : | 14-08-2025 14:30 |
| Price Bid Opening Date : | 28-08-2025 14:00 |

B. Tender Attachments

NA

Instructions To Vendors

1. Instructions to Vendors

1. LPSC(B) invites offers through eprocurement portal (<https://eproc.isro.gov.in>) for the supply / service of items as listed in the Tender document.

2. Prospective vendors interested in participating in the tendering process need to get registered in the e-procurement portal by using Digital Signature Certificate. Offers submitted through our online portal only shall be considered and offers received through fax or email or in person shall not be considered.

3. The Tenderers are requested to update their address and contact details, if necessary and submit the Bids online at least two days prior to closing date to avoid last minute system / network related problems. In case of any technical issues, tenderers may write to helpdesk team (eprocure@vssc.gov.in, egps@lpscb.gov.in) for resolution. Request for the extension of the due date for such instances shall not be considered.

4. GST @ 5% is applicable for following goods mentioned under Sl. No. 243B as per Department of Revenue Notification No. 25/2018 - Integrated Tax (Rate) dated 31/12/2018 (Amendment to Notification Nos. 07/2018 dated 25/01/2018 and 01/2017 dated 28/06/2017) and Department of Revenue Notification No. 24/2018 - Central Tax (Rate) dated 31/12/2018 (Amendment to Notification Nos. 06/2018 dated 25/01/2018 and 01/2017 dated 28/06/2017) and Government of Karnataka Notification No. 24/2018 dated 31/12/2018 (Amendment to Notification Nos. 06/2018 dated 25/01/2018 and 01/2017 dated 29/06/2017).

"Scientific and technical instruments, apparatus, equipment, accessories, parts, components, spares, tools, mock ups and modules, raw material and consumables required for Launch Vehicles and Satellites and Payloads"

5. LPSC(B), ISRO is eligible for Customs Duty Concession vide Notification No. 50/2017-Customs dated 30/06/2017 (Sl. No. 539), Notification No. 5/2018-Customs dated 25/01/2018 (Sl. No. 539A) and Notification No. 05/2025-Customs dated 01/02/2025 (Sl. No. 539A). Necessary Customs Duty Concession Certificate shall be provided if applicable.

6. Offer Validity: The offer shall be valid for a period of 90 days (for Single Part Tender) and 120 days (for Two Part Tender) from the date of opening of the tender or any other period as specified in the Tender document. Offers with lesser validity period than that specified are liable for exclusion from the

procurement process.

7. In case of Two Part Tender, Tenderers shall not mention any kind of price element in Techno-Commercial Bid. If any Price element is mentioned in the Techno-Commercial bid, their offer shall be liable for rejection.

8. LPSC(B) reserves the right to accept or reject any quotation in part or in full or part without assigning any reason thereof. LPSC(B) shall be under no obligation to accept the lowest tender and reserves the right to accept whole or any part of the tender or part of the quantity offered and the Tenderers shall supply the same at the rates quoted.

9. Bank Details: Tenderer shall provide their bank details such as IFSC code, IBAN No. , SWIFT etc. along with their offer which shall be not be changed till completion of supply/service.

10. Applicable Law: The Contract shall be governed by Indian Law for the time being in force and jurisdiction shall lie in the Courts of India.

11. Only Class-I and Class-II Local suppliers as per Public Procurement Policy (Preference to Make in India) Order, 2017 are eligible to participate in the bid unless otherwise specified in the Tender document.

12. As far as implementation of Public Procurement Policy (Preference to Make in India) Order, 2017 is concerned, the Office Orders vide No. P-45021/2/2017-B.E-II dated 15/06/2017, which is partially modified by Order No. P-45021/2/2017-PP(BE-II) dated 28/05/2018, Order No. P-45021/2/2017-PP(BE-II) dated 29/05/2019, Order No. P-45021/2/2017-PP (BE-II) dated 04/06/2020 and Order No. P-45021/2/2017-PP (BE-II) dated 16/09/2020 and subsequent Amendments issued by the Department for Promotion of Industries and Internal Trade (DPIIT), Ministry of Commerce and Industry regarding Class-I / Class-II local suppliers, Purchase preference, verification of local contents etc. shall be applicable to this tender unless otherwise specified in the Tender document.

Therefore, bidders may ensure compliance of the same while submitting tenders.

13. Price Preference shall be extended to the MSEs under the Public Procurement Policy for MSEs formulated under the Micro, Small and Medium Enterprises Development Act, 2006 unless otherwise specified in the Tender document. Such MSEs shall produce documentary proof of registration as per provisions of the Policy i.e. registration with District Industries Centre (DIC) or Khadi and Village Industries Commission (KVIC) or Khadi and Industries Board (KVIB) or Coir Board or National Small Industries Commission (NSIC) or Directorate of Handicrafts and Handlooms or Udyog Aadhar Memorandum or any other body specified by Ministry of MSME.

14. As per the Rule 144 (xi) of General Financial Rules,2017, 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).

15. Resolution of Disputes: Any dispute, disagreement or question arising out of or relating to or in consequence of the contract or to its fulfillment, or the validity of enforcement thereof which cannot be settled mutually, or the settlement of which is not herein specifically provided for, shall within 30 (thirty) days from the date either party informs the other in writing that such dispute or disagreement exists be referred to arbitration by the sole arbitrator. The Arbitrator shall be appointed as per the Indian Arbitration and Conciliation Act 1996 and proceedings will be conducted in Bangalore. The Arbitration proceedings shall be conducted in accordance with and subject to the Arbitration and Conciliation Act 1996 (Act 26 of 1996) as amended from time to time and the decision of the Arbitrator shall be final and binding on the parties thereto. Each party shall bear its own cost of preparing and presenting its case. The cost of Arbitration including the fees and expenses of the Arbitrator shall be shared equally by the parties unless the award provides otherwise. Subject to provisions of this clause, the courts at Bangalore shall have exclusive jurisdiction. Performance under this Contract shall, however continue during Arbitration proceeding and no payment due or payable by the parties hereto shall be withheld unless any such payment is/or forms a part of the subject matter of the Arbitration proceedings.

16. Force Majeure: Neither party shall bear responsibility for the complete or partial non-performance of any of his obligations if the non-performance results from such force majeure circumstances such as, but not restricted to, flood, fire, earthquake, civil commotion, sabotage, explosion, epidemic, quarantine restriction, strike, lock-out, freight embargo, acts of the Government, acts of public enemy and other acts of God as well as war or revolution, military operation, blockade, acts or actions of State authorities or any other circumstance beyond the control of the parties provided the other party is notified in writing within 21 days from the date of commencement of the unforeseeable event.

2. Local Content Declaration

1. DECLARATION OF LOCAL CONTENT

(To be given on company letter head with self certification - For tender value below Rs. 10 Crores

(To be given by Statutory Auditor or Cost Auditor or Cost Accountant or CA - For tender value above Rs. 10 Crores)

Date:

To,

Sub: Declaration of Local content

Tender Ref No:

Name of Tender:

1. Country of Origin of Goods being offered:

2. We hereby declare that items offered has -----% local content:

3. Details of Local Value additions:

4. Address At which Local value addition is being made:

"Local Content" means the amount of value added in India which shall, be the total value of the item being offered minus the value of the imported content in the item (including all customs duties) as a proportion of the total value, in percent.

It is certified that the above mentioned Local content is excluding the following (a) (b) & (c):

- a. Imported items sourced locally from resellers/distributors are excluded from calculation of the above local content.
- b. The license fees/royalties paid/ technical charges paid out of India shall be excluded from local content calculation.
- c. Procurement/Supply of repackaged/refurbished/rebranded imported products as understood commonly shall be treated as reselling of imported products and shall be excluded from calculation of local content. The definition of repackaged /refurbished/rebranded imported products is as follows; Refurbishing means repair or reconditioning of an imported product does not amount to manufacture because no new goods come into existence. Repackaging means repacking of imported goods from bulk pack to smaller packs would not ordinarily amount to manufacture of a new item. Rebranding means relabeling or renaming or change in symbol or logo/makes or corporate image of a company/organization/ firm for an imported product would amount to rebranding.

It is certified that as per DPIITs OM Ref P-45021/102/2019-BE-II-Paart(1)(E-50310) Dtd. 04/03/2021 the local content mentioned above, by which we are Class-I local suppliers / Class-II local suppliers, does not contain services such as transportation, insurance, installation, commissioning, training and after sales service support like AMC / value addition.

"False declaration will be in breach of Code of Integrity under Rule175(1)(i)(h)of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law."

Yours faithfully,

(Signature of the Bidder/OEM with Official seal)

C. Bid Templates

C.1 Technical Bid - Supply of Gas booster System

1. Gas Booster system -

Item specifications for Gas Booster system -

| SI No | Specification | Value | Compliance | Offered Specification | Remark |
|-------|--|-------|------------|-----------------------|--------|
| 1 | Haskel / HII/ Maximator Make Gas booster | | - | | |

[Document : specification](#)

[Document : AMC](#)

Common Specifications (Applicable for all items)

| SI No | Specification | Value | Compliance | Offered Specification | Remark |
|-------|----------------------------|--|--------------------|-----------------------|--------|
| 1 | Gas Booster System Type | Compressed air operated. No electrical connections | Yes / No / Explain | | |
| 2 | Drive gas minimum pressure | Compressed air at 6.0barg/100psig or higher | Yes / No / Explain | | |
| 3 | Suitable for gases | Nitrogen, Helium | Yes / No / Explain | | |
| 4 | Gas Booste Unit | <ul style="list-style-type: none">•Air driven, two stage, double air head, balanced opposed piston type with non lubricated gas sections.•Internal cooling with exhaust air to both gas ends.•Fitted with external Pilot modification. MAKE: HASKEL/HII/Maximato r | Yes / No / Explain | | |

| | | | | | |
|----|---|--|--------------------|--|--|
| 5 | Gas inlet filter | 5 micron nominal particulate filter (4500 psi max working pressure) MAKE: BUTECH/NORMAN/C LASSIC | Yes / No / Explain | | |
| 6 | Gas outlet filter | 5 micron (nominal) particulate filter (20000 psi max working pressure) MAKE: BUTECH/NORMAN/C LASSIC | Yes / No / Explain | | |
| 7 | Air pilot switch, Low inlet automatic cut-off | Spring set at 50 psig to 180 psig, (internally adjustable) MAKE: HASKEL/HII/Maximator | Yes / No / Explain | | |
| 8 | Air pilot switch, High Outlet automatic cut-off | Spring set at 6000 psig to 20000 psig, increasing (externally adjustable) MAKE: HASKEL/HII/Maximator | Yes / No / Explain | | |
| 9 | Safety relief valve | Spring set at 2000 psig to 20000 psig. MAKE: HASKEL/HII/Maximator | Yes / No / Explain | | |
| 10 | Gas pulsation dampner | 1.0 to 1.3 Litre capacity, 20000 psi max working pressure. Proof pressure test at 40000psi MAKE: HYSTAT/HII/Maximator | Yes / No / Explain | | |
| 11 | Outlet non return valve | 20000 psi max working pressure. MAKE: BUTECH /SWAGELOK/PARKE R/ DKLOK/FITOK | Yes / No / Explain | | |
| 12 | Outlet high pressure gas regulator | Manually operated piston sensing In : 20000 psi, out :20000 psi MAKE: TESCOM/ SWAGELOK/ DRASTAR | Yes / No / Explain | | |
| 13 | Booster supply gas pressure gauge | 4 inch dia, 0-3000 psi, solid front, full safety blowout back MAKE: DE-WIT/WIKA/HEISE | Yes / No / Explain | | |

| | | | | | |
|----|---|---|--------------------|--|--|
| 14 | Booster discharge gas pressure gauge | 4 inch dia, 0-20,000 psi, solid front, full safety blowout back, NI SPANC tube end and SS Socket MAKE: DE-WIT/WIKA/HEISE | Yes / No / Explain | | |
| 15 | Regulated outlet gas pressure gauge | 4 inch dia, 0-20,000 psi, solid front, full safety blowout back MAKE: DE-WIT/WIKA/HEISE | Yes / No / Explain | | |
| 16 | Drive air control system comprising of | Drive air filters, Drive air pressure regulator Air pressure gauge On/OFF cycling speed control valves | Yes / No / Explain | | |
| 17 | Frame arrangement (1170mm x 370mm x 620mm) | 1170mm x 370mm x 620mm (nominal) All duly piped and fitted in a tubular painted steel frame with sloping gauge panel as per figure-1. Note: Frame outer dimensions as per figure-1 with mounting at bottom. | Yes / No / Explain | | |
| 18 | Tubes and Fittings | Interconnection tubes and tube fittings shall be of SS 304L/SS 316L materials and tube sizing shall be done accordingly to withstand Maximum Proof pressure. | Yes / No / Explain | | |
| 19 | SPECIFICATION: Supply, installation, commissioning, testing & demonstration | Vendor shall comply all the points as per Annexure -1 (part-1) | Yes / No / Explain | | |
| 20 | Non comprehensive AMC | Vendor shall comply all the points as per Annexure -1 (part-2) | Yes / No / Explain | | |

Supporting Documents required from Vendor

1. Test results as asked in specification in Annexure-a and Annexure-B

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

| Sl. No. | Description | Compliance | Vendor Terms |
|---------|--|--------------------|--------------|
| 1 | Shall be supplied in proper packed condition. | Yes / No / Explain | |
| 2 | This is a Two Part Tender. Do not mention price element in Techno Commercial Bid. If any Price element mentioned in technical bid, your offer will not be considered. | Yes / No / Explain | |
| 3 | Goods and Services Tax (GST): Kindly mention percentage of GST considered in your offer along with HSN Code. | Yes / No / Explain | |
| 4 | Delivery Terms: FOR LPSC, Bangalore | Yes / No / Explain | |
| 5 | Delivery Period: The supply including installation, if any, shall be completed within 06 months from the date of receipt of Purchase Order. | Yes / No / Explain | |
| 6 | Payment Terms: 100% payment shall be made within 30 days of receipt and acceptance including installation, if any, of the items at our site. | Yes / No / Explain | |
| 7 | Liquidated Damages (LD): If the ordered items are not supplied within the delivery schedule, LD shall be levied from your bill @ 0.5% of the order value per week or 0.5% of the value of the stores for which the delivery is delayed for each week of delay subject to a maximum of 5% of the order value. However, in case of inordinate delay in completion period, LD @ 10% shall be recovered. | Yes / No / Explain | |
| 8 | Warranty: The items shall be warranted for a minimum period of 12 months from the date of supply or acceptance of items at our site which ever is later. Necessary warranty certificate shall be furnished along with the supply. | Yes / No / Explain | |

| | | | |
|----|---|--------------------|--|
| 9 | Performance Bank Guarantee (PBG): You have to submit PBG towards fulfilment of warranty obligations and performance of the system for 3% of the Order Value from a Nationalized / Scheduled Bank on non-judicial stamp paper of appropriate value valid till the completion of warranty period plus 60 days as per the format provided by Department. | Yes / No / Explain | |
| 10 | Security Deposit (SD): You have to furnish a Bank Guarantee from a Nationalized / Scheduled Bank on non-judicial stamp paper of appropriate value for 3% of the order value 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 (as claim period). SD shall only be applicable for order value above INR 50.00 Lakhs. SD shall be returned to you immediately on execution of the order satisfactorily as per order terms. In case of non-performance / poor performance, the amount shall be withheld. | Yes / No / Explain | |
| 11 | SD cum PBG: 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. | Yes / No / Explain | |
| 12 | Insurance: Being a Government of India Department, Insurance is not required at our cost. Please ensure the safe delivery of the ordered item with proper AIR / SEA / ROAD worthy packing. | Yes / No / Explain | |
| 13 | Free Issue Material (FIM), if applicable: You have to submit Bank Guarantee for a value equivalent to FIM (if applicable) from a Nationalized / Scheduled Bank on non-judicial stamp paper of appropriate value towards issue of FIM. The BG shall be valid till receipt and acceptance of supply and satisfactory accounting of FIM. | Yes / No / Explain | |
| 14 | Address, contact details like Telephone Number, e-mail, etc. on which order to be placed. | Yes / No / Explain | |

| | | | |
|----|---|--------------------|--|
| 15 | Details of Principal: Address, contact details like Telephone Number, e-mail, etc. (if applicable) | Yes / No / Explain | |
| 16 | Bank Details: Bank name, Branch address, Account No., IFSC Code, IBAN Number, SWIFT, etc. | Yes / No / Explain | |
| 17 | Local Content (%): Please mention the percentage of Local Content and the location where local value addition takes place (Kindly enclose self-certification document in the prescribed format) | Yes / No / Explain | |
| 18 | MSE Status: Kindly mention the classification under MSE and submit supporting documentation (if applicable) | Yes / No / Explain | |
| 19 | Validity of offer: 120 days from the date of opening of tender or as specified in the Tender Document. | Yes / No / Explain | |
| 20 | Non-Comprehensive AMC: We reserve the right to enter into a separate AMC after completion of warranty period. Kindly include your cost of Non-Comprehensive AMC for a period of two years after expiry of warranty period. | Yes / No / Explain | |
| 21 | Preventive Maintenance: One preventive maintenance visit in 12 months i.e. total of 02 visits over period of 2 years | Yes / No / Explain | |
| 22 | Breakdown Maintenance: The breakdown calls shall be attended within 48 hours of intimation. (Although unlimited free breakdown calls are stipulated, Party may indicate the number of free breakdown visits considered in their offer and for additional breakdown visits, party may quote the charges separately on per day / per visit basis) | Yes / No / Explain | |
| 23 | Payment Terms for AMC: Maintenance charges shall be paid within 30 days after completion of each satisfactory Maintenance against submission of Invoice and Service report duly certified by the End User Division. | Yes / No / Explain | |

| | | | |
|----|---|--------------------|--|
| 24 | Security Deposit (SD): You have to furnish a Bank Guarantee from a Nationalized / Scheduled Bank on non-judicial stamp paper of appropriate value for 3% of the AMC value 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 (as claim period). SD shall be returned to you immediately on execution of the order satisfactorily as per order terms. In case of non-performance / poor performance, the amount shall be withheld. | Yes / No / Explain | |
| 25 | Down-time Compensation: In case the break-down are not attended to in time, i.e. within 24 hrs of our intimation, down-time compensation at the rate of 0.5% (of the Annual Maintenance charges per day) shall be recovered from you subject to a maximum of 5% of the contract value. | Yes / No / Explain | |
| 26 | Maintenance shall be carried out at our premises only. In case any item has to be taken to your premises for repairs, necessary Bank Guarantee for the value of the item shall be furnished, and valid till returning of the item. | Yes / No / Explain | |
| 27 | During AMC, in the event of damages to our property or injury to our personnel due to the negligence of your employees, the responsibility shall solely rest with you. | Yes / No / Explain | |
| 28 | Income Tax, as applicable shall be deducted from your bill, at source. | Yes / No / Explain | |
| 29 | Any other terms | - | |

C.3 Price Bid

| Sl. No. | Item | Quantity | Unit Price | Currency | Total Price | Remark |
|---------|----------------------|-----------|------------|----------|-------------|--------|
| 1 | Gas Booster system - | 5.00 Nos. | | - | | |

Common charges (Applicable for all items)

| | |
|--------------------------|--|
| P & F Charges | |
|--------------------------|--|

| | |
|---|--|
| Freight if any (Value) | |
| Installation & Configuration | |
| Other Costs, if any (Value) | |
| Taxes, if any (Percentage) | |