



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
ई-मेल/Email: purchase@lpsc.gov.in



दिनांक/Date: 28/11/2024

लोक निविदा सूचना सं. एल बी 2024000291- 01 दिनांक 24/12/2024
PUBLIC TENDER NOTICE NO. LB2024000291- 01 DATED 24/12/2024

यूवी-विज्ञ स्पेक्ट्रोफोटो मीटर की आपूर्ति, स्थापना और कमीशनिंग/
SUPPLY, INSTALLATION AND COMMISSIONING OF UV-VIS SPECTROPHOTO METERS

निविदा वर्गीकरण/Tender Classification : सार्वजनिक निविदा / PUBLIC TENDER
निविदा की निर्धारित तिथियाँ/TENDER SCHEDULE

बोली प्रस्तुति की आरंभिक तिथि/Bid Submission Start Date : 26/11/2024, 17:00
बोली स्पष्टीकरण की निर्धारित तिथि/Bid Clarification Due Date : 17/12/2024, 14:00
बोली प्रस्तुतीकरण की निर्धारित तिथि/Bid Submission Due Date : 24/12/2024, 14:00
बोली खुलने की तिथि/Bid Opening Date : 24/12/2024, 14:30
मूल्य बोली खुलने की तिथि / Price Bid Opening Date : 07/01/2025, 14:00

मूल निविदा की अन्य सभी निबंधन एवं शर्तें अपरिवर्तित रहेंगी।

All other terms and conditions of the original tender notice shall remain unchanged.

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, Installation and Commissioning of UV-Vis
Spectrophotometers.**

Bids to be submitted online

**Tender No.: LPSC-B/Liquid Propulsion Systems
Centre,Bengaluru/LB202400029101 dated 25-11-2024**

A. Tender Details

Tender No :	LPSC-B/Liquid Propulsion Systems Centre,Bengaluru/LB202400029101
Tender Date :	25-11-2024
Tender Classification:	GOODS
Purchase Entity :	Liquid Propulsion Systems Centre,Bengaluru
Centre :	LIQUID PROPULSION SYSTEMS CENTRE (LPSC-B)

Supply, Installation and Commissioning of UV-Vis Spectrophotometers.

Supply, Installation and Commissioning of UV-Vis Spectrophotometers.

A.1 Tender Schedule

Bid Submission Start Date :	26-11-2024 17:00
Bid Clarification Due Date :	17-12-2024 14:00
Bid Submission Due Date :	24-12-2024 14:00
Bid Opening Date :	24-12-2024 14:30
Price Bid Opening Date :	07-01-2025 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.12/2012-Customs dated 17/03/2012 and Notification No. 50/2017-Customs dated 30/06/2017. 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. 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.

C. Bid Templates

C.1 Technical Bid - Supply, Installation and Commissioning of UV-Vis Spectrophotometers.

1. UV Visible Spectrophotometer(NO)

Item specifications for UV Visible Spectrophotometer

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	Scope	Supply, Installation and Commissioning of UV-Vis Spectrophotometers.	Yes / No / Explain		
2	Quantity	02 Nos. (One at LPSC-B and other at MPTTF, Tumakuru).	Yes / No / Explain		
3	Application	Analysis of hydrazine & Water for chloride & Iron content etc.	Yes / No / Explain		
4	Display and operation	Complete control through intergrated / built in computer with PC software stand alone color touch screen operation and should have high resolution.	Yes / No / Explain		
5	Light Source	Xenon lamp (flash Lamp) 3 years warranty, 5 years life time.	Yes / No / Explain		
6	Wavelength range	190-1100nm (Approx).	Yes / No / Explain		
7	Optical System	Doube beam optics with 8 cell auto changer cuvette position for reference and multiple sample. Czerny-Turner monochromator with 1200 lines /mm grating.	Yes / No / Explain		

8	Upgradability	System should be able to be upgradable to accessories like auto sampler, sipper pump, peltier system, Tm analysis, Integrating sphere etc with large sample compartment to accommodate accessories.	Yes / No / Explain		
9	Spectral bandwidth	Variable 0.5,1,2,4,5 nm spectral bandwidth over entire wavelength range.	Yes / No / Explain		
10	Wavelength display	Wavelength setting and display in steps of 0.1nm	Yes / No / Explain		
11	Wavelength accuracy	Wavelength accuracy of $\pm 0.3\text{nm}$ for entire range spectral line.	Yes / No / Explain		
12	Wavelength repeatability	Wavelength repeatability of 0.1nm.	Yes / No / Explain		
13	Scanning speed	Variable wavelength scanning speed of 1-6000 nm per minute or better.	Yes / No / Explain		
14	Ultra low stray light	360nm KCL 198nm = 1%T, NaI 220nm <0.05%T, NaNO ₂ <0.02 @220nm	Yes / No / Explain		
15	Photometric range	Wide range of -4 to +4 Abs and 0 to 400 %T	Yes / No / Explain		
16	Photometric accuracy	0.5A: $\pm 0.002\text{A}$	Yes / No / Explain		
17	Baseline drift	Very low baseline drift of 0.0002 Abs /hour @ 500nm.	Yes / No / Explain		
18	Base line flatness	High base line flatness of ± 0.001 Abs	Yes / No / Explain		
19	Ultra low photometric noise	0.000016 Abs RMS @ 500 nm.	Yes / No / Explain		
20	Detector	High sensitivity matched pair dual silicon photodiode detector.	Yes / No / Explain		
21	Connectivity out put	USB Port and Parallel port (printer), WiFi, Bluetooth.	Yes / No / Explain		

22	Storage	64GB (built-in) minimum, unlimited expansion (USB storage, SD card, network storage device)	Yes / No / Explain		
23	Scanning mode	All operational modes as standard – photometric; Spectrum; Quantitation; Absorbance % Transmittance % log (Abs), Factor intensity, Kinetics, Time scan, DNA and Protein Quantitation etc. Compact design with small footprint.	Yes / No / Explain		
24	Demonstration & Training	Technical demo (onsite) & Application training should be provided by vendor at site.	Yes / No / Explain		
25	Accessories	Should supply 3 pairs of quartz cuvettes. Suitable PC / Laptop & colour printer.	Yes / No / Explain		
26	Warranty	One year from the date of installation.	Yes / No / Explain		
27	10mm Quarz cell (Sampler & Reference)	1 pair	Yes / No / Explain		
28	Two set of instrument and operational manual for 02 Nos Spectrophotometer in English must be provided along with the supply.	To be Provided.	Yes / No / Explain		
29	The Warranty Certificate for the instruments to be provided by the supplier.	To be Provided.	Yes / No / Explain		
30	Non-Comprehensive AMC for UV Visible Spectrophotometer: (02 Nos)	The party shall quote for AMC for a period of 2 years to be exercised after completion of warranty period of the instruments.	Yes / No / Explain		
31	Scope of work:	As given below (From Sl. No. 32 to 38)	Yes / No / Explain		

32	a) Preventive maintenance: The party should perform two preventive maintenance in one year (i.e.) one visit in every six months in any one of the five working days. Total number of visits for two years is 4 visits.	To be Provided.	Yes / No / Explain		
33	b) The work to be carried during preventive maintenance should include:	As given below (From Sl. No. 34 to 37)	Yes / No / Explain		
34	• Maintenance and servicing of the equipment	To be Provided.	Yes / No / Explain		
35	• Cleaning of the equipment	To be Provided.	Yes / No / Explain		
36	• Re-calibration of the equipment to be carried out by the party that would be necessary for the equipment to operate under normal working conditions and also party should produce Calibration Certificate after completing AMC.	To be Provided.	Yes / No / Explain		
37	c) Breakdown maintenance : The party should attend to any number of breakdown calls within 24 hrs of intimation during the contract period at free of cost.	To be Provided.	Yes / No / Explain		

Document : Specification

Common Specifications (Applicable for all items)

Sl No	Specification	Value	Compliance	Offered Specification	Remark
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1	Supply, Installation and Commissioning of UV-Vis Spectrophotometers.		-		
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Supporting Documents required from Vendor

- 1. The Warranty Certificate for the instruments to be provided by the supplier.**
- 2. Two set of instrument and operational manual for 02 Nos Spectrophotometer in English must be provided along with the supply.**

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	Technical demo (onsite) & Application training should be provided by vendor at site.	Yes / No / Explain	
2	The Warranty Certificate for the instruments to be provided by the supplier.	Yes / No / Explain	
3	Two set of instrument and operational manual for 02 Nos Spectrophotometer in English must be provided along with the supply.	Yes / No / Explain	
4	Goods and Services Tax (GST): Kindly mention percentage of GST considered in your offer along with HSN Code.	Yes / No / Explain	
5	Delivery Terms: FOR LPSC, Bangalore or any other	Yes / No / Explain	
6	Delivery Period: The supply shall be completed within 3 months from the date of receipt of PO.	Yes / No / Explain	
7	Payment Terms: 100% payment shall be made within 30 days of receipt and acceptance of the items at our site.	Yes / No / Explain	
8	Installation Charges: If any, mentioned as EXTRA OR INCLUDED in your quote, please mention the percentage in vendor terms	-	
9	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	
10	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	

11	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. (OR) 3% of the Order Value shall be withheld till the completion of Warranty period plus 60 days.	Yes / No / Explain	
12	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 5.00 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	
13	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	
14	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	
15	Address, contact details like Telephone Number, e-mail, etc. on which order to be placed.	Yes / No / Explain	
16	Details of Principal: Address, contact details like Telephone Number, e-mail, etc. (if applicable)	Yes / No / Explain	
17	Bank Details: Bank name, Branch address, Account No., IFSC Code, IBAN Number, SWIFT, etc.	Yes / No / Explain	

18	Local Content (%): Please mention the percentage of Local Content and the location where local value addition takes place (Kindly enclose self-certification document)	Yes / No / Explain	
19	MSE Status: Kindly mention the classification under MSE and submit supporting documentation (if applicable)	Yes / No / Explain	
20	Validity of offer: 120 days (for Two Part Tender) from the date of opening of tender or as specified in the Tender Document.	Yes / No / Explain	
21	Contract Period: The Non-comprehensive AMC shall be valid for a period of Two years from the date of warranty Period. (Detailed scope of work as per Annexure I)	-	
22	Preventive Maintenance: Two Preventive Maintenance visit in 1 Year i.e., one visit in every six months in any one of the five working days. Total number of visits for two years is 4 visits.	-	
23	Breakdown Maintenance: Any no. of breakdown visits during the contract period, the breakdown shall be attended within 4 hours of intimation. (Party may quote the Breakdown maintenance charges separately on per day / per visit basis or included in the AMC charges)	-	
24	Payment Terms: Service / Calibration charges shall be paid within 30 days after completion of each satisfactory service / calibration against submission of bills/ invoice along with certified service / calibration report.	-	
25	Down Time Compensation: In case the breakdown is not attended to in stipulated time i.e. within 24 hours of intimation down-time compensation at the rate of 0.5% (of the Annual Maintenance Charges) per day shall be recovered from your outstanding bills subject to a maximum of 5% of the Contract Value. (NOTE: This is a mandatory clause)	-	

26	<p>Fall Clause: The rates charged for the service / calibration under the Contract by the vendor should in no event exceed the lowest rate charged by the vendor for similar activity to any other party during the period of the Contract. If at any time, the prices are reduced, the same shall be notified to the Department and shall stand correspondingly reduced & refunded to the Department.</p>	-	
27	<p>Arbitration: In the event of dispute or difference arising out of or in connection with this purchase order/contract, which cannot be resolved through amicable settlement by mutual consultation, the same shall be settled under the Rules of Arbitration & Conciliation act 1996 under the Indian statute only, whose decision shall be final and binding on both the parties.</p>	-	
28	<p>Jurisdiction: The Courts in and around the City of Bangalore alone shall have jurisdiction to deal with and decide any matter or dispute whatsoever arising out of this agreement including those arising under the Arbitration Act.</p>	-	
29	<p>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.</p>	-	

30	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 5.00 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.	-	
31	Income tax at applicable rates shall be deducted at sources	-	
32	Any other terms	-	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
1	UV Visible Spectrophotometer(NO)	2.00 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)	