

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

Tender for Supply of ultrasonic thickness gauges

Bids to be submitted online

**Tender No.: LPSC-B/Liquid Propulsion Systems
Centre,Bengaluru/LB202400009201 dated 27-05-2024**

A. Tender Details

Tender No : **LPSC-B/Liquid Propulsion Systems Centre,Bengaluru/LB202400009201**

Tender Date : **27-05-2024**

Tender Classification: **GOODS**

Purchase Entity : **Liquid Propulsion Systems Centre,Bengaluru**

Centre : **LIQUID PROPULSION SYSTEMS CENTRE (LPSC-B)**

Supply of Ultrasonic Thickness Gauges

Supply of Ultrasonic Thickness Gauges

A.1 Tender Schedule

Bid Submission Start Date : **27-05-2024 14:00**

Bid Clarification Due Date : **18-06-2024 14:00**

Bid Submission Due Date : **27-06-2024 14:00**

Bid Opening Date : **27-06-2024 14:30**

Price Bid Opening Date : **11-07-2024 14:00**

B. Tender Attachments

Technical Write-up/Drawings

Document : technical specification

Document : Titanium step blocks

Instructions To Vendors

C. Bid Templates

C.1 Technical Bid - Supply of ultrasonic thickness gauges

1. Thickness Gauge: Supply of ultrasonic thickness gauge with necessary accessories as per the detailed specification enclosed in Annexure-1

2. Thickness Gauge: Titanium step blocks (Ti6Al4V and Ti CP material 01 Nos each)

3. Thickness Gauge Data Logger laptop with Feasibility of storing, recalls, clears, and transmits thickness readings, waveform images, and gage setup information via blue tooth / wifi.

Common Specifications (Applicable for all items)

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Equipment weight	Equipment should not more than 1Kg	Yes / No / Explain		
2	Battery type	Battery should be rechargeable lithium-non-battery and operating time should be less than 12 hours and fast charging features shall be available	Yes / No / Explain		
3	Measuring modes :	Equipment should capable to work in following different measurement modes.	Yes / No / Explain		
4	Measuring modes 1	Dual element Measurement Mode	Yes / No / Explain		
5	Measuring modes 2	Thru-Coat Measurement	Yes / No / Explain		
6	Measuring modes 3	Thru-paint Echo-to-Echo.	Yes / No / Explain		
7	Measuring modes 4	Single Elements Measurement Mode	Yes / No / Explain		
8	IP Grade	Sealed case shall be designed to meet IP67 requirements	Yes / No / Explain		
9	Transducer Frequency	2 to 30 MHz @ -3dB	Yes / No / Explain		

10	Thickness Measurement Range	(0.15 mm or lesser – 500.00 mm or higher), depending on material, transducer surface condition, temperature, and set-up selected.	Yes / No / Explain		
11	Auto sensitivity Gain optimization	Allows the normal measurement sensitivity to be automatically increased or decreased depending on the Thickness and material noise level.	Yes / No / Explain		
12	Freeze Facility	Freezes display to instantly capture critical Thickness.	Yes / No / Explain		
13	Alarm Mode	Programmable Hi-Low set points with audible and visual indicators	Yes / No / Explain		
14	Data logger	Feasibility of storing, recalls, clears, and transmits Thickness readings, waveform images, and gage setup information Via the RS-232 Serial port.	Yes / No / Explain		
15	Standard Inclusion	Wrist Strap, Calibration Block, Couplant , Instruction Manual	Yes / No / Explain		
16	Display	Equipment Should display A-SCAN and B-SCAN	Yes / No / Explain		
17	Probes required 1	20MHz 0.125-inch delay line probe.	Yes / No / Explain		
18	Probes required 2	5MHz 0.250-inch contact transducer.	Yes / No / Explain		
19	Probes required 3	Suitable Connector cable	Yes / No / Explain		
20	Titanium step blocks	Ti6Al4V (1 no for each set) & TiCP (1 no for each set) as per annexure-1 enclosed (Thickness reference standard with 5 Steps, Titanium with 2.5mm, 5.0mm, 7.5mm, 10.0mm and 12.5mm thicknesses and 0.75 inch square pads.)	Yes / No / Explain		

21	Connectivity	2 Nos Data acquisition system laptops with Bluetooth/Wi-fi connection. shall be included in scope of supply	Yes / No / Explain		
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Supporting Documents required from Vendor

1. Technical broacher of the offered item

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	Party shall comply all terms & conditions	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	GST: Kindly mention exact percentage of GST (HSN Code, if applicable) GST concessional rate @ 5% is applicable for the following goods mentioned under Sl. No. 243B as per Department of Revenue Notification No. 07/2018: "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" Kindly mention the nature of Goods.	Yes / No / Explain	
4	P & F charges: % of Packing and Forwarding charges (if applicable)	Yes / No / Explain	
5	Payment Term: 100% payment shall be made through RTGS within 30 days of receipt and acceptance of the items at our site.	Yes / No / Explain	
6	Delivery Period: Within 12 weeks from the date of receipt of PO.	Yes / No / Explain	
7	Liquidated Damages (LD): Since delivery is the essence of this order, LD @ 0.5% per week or part thereof subject to a maximum of 10% of the order value of undelivered Stores for each calendar week of delay. The total liquidated damages shall not exceed ten percent (10 percent) of the contract price of the unit or units so delayed.	Yes / No / Explain	
8	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 year or as specified in the tender document. Warranty certificate shall be provided along with supply.	Yes / No / Explain	

9	Performance Bank Guarantee (PBG): You have to submit a PBG from a Nationalised / Scheduled Bank in Rs. 200/- Stamp Paper 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 claim period) 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.	Yes / No / Explain	
10	Security Deposit (SD): You have to furnish a Bank Guarantee from a Nationalised / Scheduled Bank in Rs. 200/- Stamp Paper 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). (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).	Yes / No / Explain	
11	Security Deposit cum Performance Bank Guarantee (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 cum PBG from a Nationalised / Scheduled Bank in Rs. 200/- Stamp Paper 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	Freight charges: If any, mentioned as EXTRA OR INCLUDED in your quote, please mention the percentage in Vendor Terms.	Yes / No / Explain	
13	Installation Charges: If any, mentioned as EXTRA OR INCLUDED in your quote, please mention the percentage in Vendor Terms.	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	Validity of Offer: (a) The validity of the offers should be 120 days from the date of opening of the tenders. NOTE: Tenders validity period shorter than offer validity mentioned above will not be considered for evaluation.	Yes / No / Explain	
16	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.	Yes / No / Explain	
17	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.	Yes / No / Explain	
18	Force Majeure: Neither LPSC, Bangalore nor party shall be considered in default of the performance of their obligations under this Purchase Order if such performance is prevented or delayed for any causes beyond the reasonable control of the parties to the order getting affected, such as Acts of God, war, riots, civil, commotion, illegal strikes, legal lock-outs, epidemics, fire accidents of any Government thereof, provided notice in writing of any such cause with necessary proof that the obligation under the Purchase Order is hereby affected or prevented or delayed is given within 14 days from the happening of the event. As soon as the cause of force majeure has ceased to exist, the party whose ability to perform his obligation has been affected shall notify the other party of the actual delay that has occurred due to such force majeure condition.	Yes / No / Explain	
19	Address, contact details like Telephone Number, Fax, e-mail etc., on which order to be placed.	Yes / No / Explain	
20	Details of Principal:Address, contact details like Telephone Number, Fax, e-mail etc., (if applicable)	Yes / No / Explain	

21	You shall provide suppliers bank details such as name of the bank, IFSC code, IBAN Number, SWIFT etc., along with your offer which shall be not be changed till completion of payment.	Yes / No / Explain	
22	Offers received through fax or email or unsigned will not be considered.	Yes / No / Explain	
23	Local Content in % and place where local value addition takes place.	Yes / No / Explain	
24	Price Preference shall be extended to the MSEs under the Public Procurement Policy for MSEs. Such MSEs shall produce documentary proof of registration as per provisions of the Policy ie: 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.	Yes / No / Explain	
25	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 dt. 15.06.2017, which is partially modified by Order No. P-45021/2/2017-PP(BE-II) dt. 28.05.2018, Order No.P-45021/2/2017-PP(BE-II)dt. 29.05.2019, Order No. P-45021/2/2017-PP (BE-II) dt 04.06.2020 and Order No.P-45021/2/2017-PP (BE-II) dt 16.09.2020 and subsequent Amendments issued by the Department for Promotion of Industries and Internal Trade, Ministry of Commerce and Industry and Internal Trade, 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. Therefore, bidders may ensure compliance of the same while submitting tenders.	Yes / No / Explain	
26	Delivery Terms: LPSC, BANGALORE.	Yes / No / Explain	
27	Any Other Terms:	Yes / No / Explain	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
1	Thickness Gauge: Supply of ultrasonic thickness gauge with necessary accessories as per the detailed specification enclosed in Annexure-1	5.00 Sets		-		
2	Thickness Gauge: Titanium step blocks (Ti6Al4V and Ti CP material 01 Nos each)	5.00 Sets		-		
3	Thickness Gauge Data Logger laptop with Feasibility of storing, recalls, clears, and transmits thickness readings, waveform images, and gage setup information via blue tooth / wifi.	2.00 Sets		-		

Common charges (Applicable for all items)

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