



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@lpscb.gov.in



दिनांक/Date: 22/09/2023

एकल निविदा सूचना सं. एल बी 2023000302 01 दिनांक 22/09/2023  
SINGLE TENDER NOTICE NO. LB2023000302 01 DATED 22/09/2023

टाइटैनियम Ti-6Al-4V छड़ों की आपूर्ति के लिए एकल निविदा  
Single Tender for Tender for Supply of Titanium Ti-6Al-4V rods

निविदा वर्गीकरण/Tender Classification : एकल निविदा / SINGLE TENDER

### निविदा की निर्धारित तिथियाँ/TENDER SCHEDULE

बोली प्रस्तुति की आरंभिक तिथि/Bid Submission Start Date : 22-09-2023 14:00

बोली स्पष्टीकरण की निर्धारित तिथि/Bid Clarification Due Date : 29-09-2023 14:00

बोली प्रस्तुतीकरण की निर्धारित तिथि/Bid Submission Due Date : 05-10-2023 14:00

बोली खुलने की तिथि/Bid Opening Date : 05-10-2023 14:30

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/> <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 22-09-2023  
क्रय व भंडार अधिकारी/Purchase & Stores Officer

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

**Tender for Supply of Titanium Ti-6Al-4V rods**

**Bids to be submitted online**

**Tender No.: LPSC-B/Liquid Propulsion Systems  
Centre,Bengaluru/LB202300030201 dated 22-09-2023**

## A. Tender Details

Tender No :	LPSC-B/Liquid Propulsion Systems Centre,Bengaluru/LB202300030201
Tender Date :	22-09-2023
Tender Classification:	GOODS
Purchase Entity :	Liquid Propulsion Systems Centre,Bengaluru
Centre :	LIQUID PROPULSION SYSTEMS CENTRE (LPSC-B)

## Supply of Titanium Ti-6Al-4V rods

Supply of Titanium Ti-6Al-4V rods

### A.1 Tender Schedule

Bid Submission Start Date :	22-09-2023 14:30
Bid Clarification Due Date :	29-09-2023 14:00
Bid Submission Due Date :	05-10-2023 14:00
Bid Opening Date :	05-10-2023 14:30

## **B. Tender Attachments**

### **Technical Write-up/Drawings**

**Document : [technical annexure](#)**

**Document : [ISRO:GMMPS:3102F:-FB/HR:2020](#)**

### **Instructions To Vendors**

## **C. Bid Templates**

### **C.1 Technical Bid - Supply of Titanium Ti-6Al-4V rods**

**1. MECHANICAL RAW MATERIALS Supply of Ti-6Al-4V Rod of  $\Phi$  35X (1000-1500) Length as per ISRO:GMMPS:3102F:-FB/HR:2020 and technical annexure I.**

**2. MECHANICAL RAW MATERIALS Supply of Ti-6Al-4V Rod of  $\Phi$  220X (1000-1500) Length as per ISRO:GMMPS:3102F:-FB/HR:2020 and technical annexure I.**

**3. MECHANICAL RAW MATERIALS Supply of Ti-6Al-4V Rod of  $\Phi$  125X (1000-1500) Length as per ISRO:GMMPS:3102F:-FB/HR:2020 and technical annexure I.**

**4. MECHANICAL RAW MATERIALS Supply of Ti-6Al-4V Rod of  $\Phi$  160X (1000-1500) Length as per ISRO:GMMPS:3102F:-FB/HR:2020 and technical annexure I.**

**5. MECHANICAL RAW MATERIALS Supply of Ti-6Al-4V Rod of  $\Phi$  80X (1000-1500) Length as per ISRO:GMMPS:3102F:-FB/HR:2020 and technical annexure I.**

#### **Supporting Documents required from Vendor**

**1. Price bid addressing all commercial aspects**

**2. Technical compliance matrix addressing all aspects**

5 additional documents can be uploaded by the vendor

## C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	Forged rods in annealed and proof machined condition.	Yes / No / Explain	
2	<p>GST: Kindly mention exact percentage of GST (HSN Code, if applicable)</p> <p>IGST@5% concessional rate for supply of Goods:</p> <p>IGST 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"</p> <p>Kindly mention the nature of Goods.</p>	Yes / No / Explain	
3	P & F charges (if applicable)	Yes / No / Explain	
4	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	
5	Delivery Period (Please mention in specifics Delivery schedule as per specifications)	Yes / No / Explain	
6	<p>Delivery Terms : In case of Indigenous Supplier : LPSC, BANGALORE.</p> <p>In case of Foreign Suppliers: EX-WORKS / FOB /FCA</p>	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	In case two or more tenders are received from an Indian agent on behalf of more than one foreign Principal/OEM, in the same tender for the same item/product will not be considered.	Yes / No / Explain	

15	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	
16	Validity of Offer : (a) The validity of the offers should be 90 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	
17	In case of foreign orders:(a) Please specify whether any Export clearance is required. If it is required please provide End User Certificate format along with offer. (b) Please specify whether any Agency Commission is involved or not. If YES mention the percentage of Agency Commission. [Agency Commission shall be claimed by the Indian Agent through an Invoice. The Agency Commission shall be paid to the Indian Agent in Indian Rupees worked out on the basis of Telegraphic Transfer buying rate of exchange prevailing on the date of placement of the Purchase order/Contract and shall be paid within 30 days from the date of satisfactory acceptance of the item at our site. Distributors are not eligible for Agency Commission]	Yes / No / Explain	
18	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	
19	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	

20	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	
21	Details of Indian Agent: Address, contact details like Telephone Number, Fax, e-mail etc., (if applicable)	Yes / No / Explain	
22	Details of Principal: Address, contact details like Telephone Number, Fax, e-mail etc., (if applicable)	Yes / No / Explain	
23	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	
24	Offers received through fax or email or unsigned will not be considered.	Yes / No / Explain	
25	Any other terms shall be mentioned in Vendor Terms column.	Yes / No / Explain	
26	Special conditions against Indian Agents submitting quotations in Foreign Currency: (a) Foreign Principals proforma invoice indicating the commission payable to the Indian Agent and nature of after sales service to be rendered by the Indian Agent. (b) Copy of Agency agreement with the Foreign Principal and Indian agent, precise relationship between them and their mutual interest in the business. (c) Copy of registration and item empanelment of the Indian agent.	Yes / No / Explain	

27	The tenders received from Indian agents on behalf of their foreign Principals/OEMs (in cases where the Principals/OEMs also submit their tenders simultaneously for the same item/product in the same tender) the same will be not be considered.	Yes / No / Explain	
28	Purchase/Preference to MSEs: Purchase/Price Preference shall be extended to the MSEs under the Public Procurement Policy for MSEs formulated under the Micro, Small & Medium Enterprises Development Act 2006. Necessary authenticated documentary evidences shall be submitted along with your offer. NOTE: This is not applicable for foreign Suppliers.	Yes / No / Explain	
29	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	

30	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	
31	Local content in %	Yes / No / Explain	

### C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
1	MECHANICAL RAW MATERIALS Supply of Ti-6Al-4V Rod of Φ 35X (1000-1500) Length as per ISRO:GMMP S:3102F:- FB/HR:2020 and technical annexure I.	150.00 KG		-		

2	MECHANICAL RAW MATERIALS Supply of Ti-6Al-4V Rod of $\Phi$ 220X (1000-1500) Length as per ISRO:GMMP S:3102F:- FB/HR:2020 and technical annexure I.	940.00 KG		-		
3	MECHANICAL RAW MATERIALS Supply of Ti-6Al-4V Rod of $\Phi$ 125X (1000-1500) Length as per ISRO:GMMP S:3102F:- FB/HR:2020 and technical annexure I.	275.00 KG		-		
4	MECHANICAL RAW MATERIALS Supply of Ti-6Al-4V Rod of $\Phi$ 160X (1000-1500) Length as per ISRO:GMMP S:3102F:- FB/HR:2020 and technical annexure I.	710.00 KG		-		
5	MECHANICAL RAW MATERIALS Supply of Ti-6Al-4V Rod of $\Phi$ 80X (1000-1500) Length as per ISRO:GMMP S:3102F:- FB/HR:2020 and technical annexure I.	220.00 KG		-		

**Common charges (Applicable for all items)**

<b>Installation &amp; Configuration</b>	
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Other Costs, if any (Value)	
Taxes, if any (Percentage)	