

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

**Tender for Contract for servicing, testing and refilling of CO2 Fire
Extinguishers and Cartridges**

Bids to be submitted online

Tender No.: LPSC/LVF/LP202200051701 dated 19-09-2022

A. Tender Details

Tender No :	LPSC/LVF/LP202200051701
Tender Date :	19-09-2022
Tender Classification:	SERVICES
Purchase Entity :	LVF
Centre :	LIQUID PROPULSION SYSTEMS CENTRE, VALIAMALA (LPSC)

Contract for servicing, testing and refilling of CO2 Fire Extinguishers and Cartridges

For and on behalf of the President of India, the Head, Purchase & 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 enrolment, 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 :	17-09-2022 11:31
Bid Clarification Due Date :	21-09-2022 14:21
Bid Submission Due Date :	17-10-2022 14:00
Bid Opening Date :	17-10-2022 14:30

B. Tender Attachments

Technical Write-up/Drawings

Document : Price Bid

Document : Spare List

Instructions To Vendors

C. Bid Templates

C.1 Technical Bid - Contract for servicing, testing and refilling of CO2 Fire Extinguishers and Cartridges

1. CAMC FOR FIRE EXTINGUISHER

Hydro testing of 2 Kg CO2 Fire Extinguisher

2. CAMC FOR FIRE EXTINGUISHER

Hydro testing of 4.5 Kg CO2 Fire Extinguisher

3. CAMC FOR FIRE EXTINGUISHER

Hydro Testing of CO2 Cartridges

4. CAMC FOR FIRE EXTINGUISHER

Refilling of 2kg and 4kg CO2 Fire Extinguishers

5. CAMC FOR FIRE EXTINGUISHER

Refilling of CO2 Cartridge

6. CAMC FOR FIRE EXTINGUISHER

Painting of 2Kg CO2 Fire Extinguisher

7. CAMC FOR FIRE EXTINGUISHER

Painting of 4.5Kg CO2 Fire Extinguishers

8. CAMC FOR FIRE EXTINGUISHER

Painting of CO2 Cartridges

9. CAMC FOR FIRE EXTINGUISHER

Service charge for fire extinguisher & cartridges

10. CAMC FOR FIRE EXTINGUISHER

Transportation charges for fire extinguishers and cartridges

Common Specifications (Applicable for all items)

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	The work involves Hydro-Testing, painting and the refilling of CO2 in CO2 Extinguishers & cartridges and replacement of defective consumables i.e. washers, stickers etc.		-		
2	Rates shall be quoted separately for refilling of CO2, hydro testing, painting, transportation and various spare parts like cylinder valves, connecting flexible hoses, syphon tubes, etc		-		
3	Carbon-dioxide fire extinguishers shall be tested as per IS:5844-1970. The test pressure shall be 250 kg/cm ² (As per the IS 2190:2010).		-		

4	<p>After hydro testing, Hydro test date shall be punched on bottom ring or on cylinder body of CO2 extinguisher. Test certificate shall be provided which will be valid for further five years from the date of testing.</p>		-		
5	<p>The extinguisher/c cartridge should not be refilled/painted if failed in Hydrostatic testing. In case the cylinder/ cartridge is bought for refilling during the hydrostatic test validity period, only refilling shall be done by the contractor.</p>		-		
6	<p>All the replacement spares shall be of genuine and shall confirm to relevant standards. Check nut/seal nut of gas cartridge shall be as per IS 4949:2006 and valve shall be as per the IS: 3224:2002 (Reaffirmed 2007).</p>		-		
7	<p>Painting of CO2 cylinders is on need based and depending upon the condition of existing painting.</p>		-		

8	If the painting is called for, the surface of extinguishers should be cleaned and made smooth by removing old paint completely and three coats i.e. one coat of primer and two coats of Post Office Red to be applied.		-		
9	After painting good quality Stickers of operational procedures of the concerned type of extinguishers shall be pasted on the extinguishers. This shall be done only with the approval of LPSC.		-		
10	Care should be taken while doing painting jobs for CO2 extinguishers/ Cylinders so that original punch marks i.e. CO2 cylinder No., water capacity, CCoE No., TW & NW markings etc. should remain visible after painting also.		-		

11	Purity of carbon dioxide gases to be refilled should be as per BIS (IS-307) for fire-fighting. Party has to provide certificate of the purity of gas filled along with each lot.		-		
12	All the parts shall be checked before refilling and the parts, which are found to be defective and require replacement, are to be intimated to LPSC before replacement. All the defective parts replaced should be handed over to LPSC.		-		
13	The transportation of Fire extinguishers and Cartridges from LPSC, Valiamala to the service provider's facility and back, are under the scope of the party. The party shall collect the items on intimation from the intending officer within stipulated time.		-		

14	Contractor has to strictly follow the delivery schedule failing which LD clause will be imposed for the particular lot, which is delayed.		-		
15	After testing, Original Test Reports are to be submitted to LPSC along with the bill for payment.		-		
16	The plastic instruction stickers will be pasted on each CO2 fire extinguisher as per our sample. One piece of sample will be provided by us and then the rest of stickers will be prepared by the supplier and pasted on the CO2 fire extinguishers.		-		

Supporting Documents required from Vendor

- 1. The contractor shall submit the price bid as enclosed**
- 2. The contractor should have undertaken similar works in any Industrial Units during last 3 years and documentary proof (Work order/Completion Certificate) shall be submitted along with the offer.**
- 3. The contractor & their facilities for Testing of high-pressure cylinders (CO2) shall be recognized/ approved by CCOE and documentary proof for the same shall be submitted along with the offer.**
- 4. If the contractor does not have CCOE approved test facility, they shall submit the details and certificate of the test facility where the testing of cylinders is proposed to be carried out.**

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	The fire extinguishers and cartridges after servicing will be inspected and verified upon receipt, before making payment.	Yes / No / Explain	
2	Original Test Reports are to be submitted to LPSC along with the bill for payment.	Yes / No / Explain	
3	The quantity mentioned in the tender is tentative only. LPSC may increase or decrease the quantity based on the actual requirement. The party has to quote per unit for each type of CO2 extinguishers/catridges.	Yes / No / Explain	
4	The contract shall remain valid for a period of TWO year from the date of issue of the purchase order. The contract may be extended to the further period of one year thereof on same rate, terms & conditions, if required at the discretion of LPSC.	Yes / No / Explain	
5	Contractor shall quote the rates in accordance to schedule of rates and applicable GST shall be clearly mentioned.	Yes / No / Explain	
6	The payment shall be on a prorata basis asper the work carried for each lot of cylinders sent for refilling, hydrotesting of CO2 extinguishers/catridges.	Yes / No / Explain	
7	ISRO is eligible for Customs Duty Concession vide Notification No. 050/2017 539 A-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	
8	Installation Charges, if any shall be mentioned (If mentioned as EXTRA OR INCLUDED in your quote, please mention the percentage in Vendor Terms Column).	Yes / No / Explain	
9	Payment Term: As per point No.6 of supply conditions.	Yes / No / Explain	

10	P & F charges, if any, shall be mentioned (If mentioned as EXTRA OR INCLUDED in your quote, please mention the percentage in Vendor Terms Column).	Yes / No / Explain	
11	Delivery Term: As mentioned in the Tender	Yes / No / Explain	
12	Freight charges, if any, shall be mentioned (If mentioned as EXTRA OR INCLUDED in your quote, please mention the percentage in Vendor Terms Column).	Yes / No / Explain	
13	Whether applicable GST percentage mentioned in offer (If mentioned as EXTRA OR INCLUDED in your quote, please mention the percentage in Vendor Terms Column).	Yes / No / Explain	
14	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 Vendor Terms column OR if already mentioned in your quote please mention as already furnished in the quote)	Yes / No / Explain	
15	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 10% of the order value for the delayed period.	Yes / No / Explain	
16	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.	Yes / No / Explain	
17	Security Deposit (SD) (only for order value above Rs.5 Lakh): You have to furnish a Bank Guarantee from a Nationalised / Scheduled Bank in 200 Rs. 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. (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	

18	<p>Performance Bank Guarantee (PBG) : You have to submit a PBG from a Nationalised / Scheduled Bank in 200 Rs. 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 per the format provided by the Department.</p> <p>OR</p> <p>3% OF THE ORDER VALUE SHALL BE WITH HELD TILL THE COMPLETION OF WARRANTY PERIOD PLUS 60 DAYS.</p>	Yes / No / Explain	
19	<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	
20	<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	
21	<p>Validity of Offer : (a)The validity of the offers should be 90 days (in case of single part tender) from the date of opening of the tenders. (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 having shorter offer validity will not be considered for evaluation</p>	Yes / No / Explain	
22	<p>Bank Details, viz., Bank Name, Branch, Address, Account No., IFSC (Details to be given in Vendor Terms Column)</p>	Yes / No / Explain	
23	<p>PAN No. (Details to be furnished in Vendor Terms Column)</p>	Yes / No / Explain	
24	<p>GST No. (Details to be given in Vendor Terms Column)</p>	Yes / No / Explain	
25	<p>Purchase Order to be placed on whom (Please mention the Address, Phone No. & E-mail id)</p>	Yes / No / Explain	

26	Local content involved in the quoted item shall be declared/ certified in percentage.	Yes / No / Explain	
27	Furnish the details of place(s) where the value addition for the quoted item takes place.	Yes / No / Explain	
28	State whether MSE or not. If yes, please provide the necessary documentary proof	Yes / No / Explain	
29	HSN Code of offered items	Yes / No / Explain	
30	Other terms, if any shall be mentioned in Vendor Terms column	Yes / No / Explain	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Other Costs, if any	Remark
1	CAMC FOR FIRE EXTINGUISHER Hydro testing of 2 Kg CO2 Fire Extinguisher	100.00 Nos.		-			
2	CAMC FOR FIRE EXTINGUISHER Hydro testing of 4.5 Kg CO2 Fire Extinguisher	75.00 Nos.		-			
3	CAMC FOR FIRE EXTINGUISHER Hydro Testing of CO2 Cartridges	300.00 Nos.		-			
4	CAMC FOR FIRE EXTINGUISHER Refilling of 2kg and 4kg CO2 Fire Extinguishers	1000.00 KG		-			

5	CAMC FOR FIRE EXTINGUISHER Refilling of CO2 Cartridge	300.00 Nos.		-			
6	CAMC FOR FIRE EXTINGUISHER Painting of 2Kg CO2 Fire Extinguisher	100.00 Nos.		-			
7	CAMC FOR FIRE EXTINGUISHER Painting of 4.5Kg CO2 Fire Extinguishers	100.00 Nos.		-			
8	CAMC FOR FIRE EXTINGUISHER Painting of CO2 Cartridges	100.00 Nos.		-			
9	CAMC FOR FIRE EXTINGUISHER Service charge for fire extinguisher & cartridges	475.00 Nos.		-			
10	CAMC FOR FIRE EXTINGUISHER Transport charges for fire extinguishers and cartridges	6.00 Lot		-			

Common charges (Applicable for all items)

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