

**GOVERNMENT OF INDIA  
DEPARTMENT OF SPACE  
SATISH DHAWAN SPACE CENTRE SHAR SRIHARIKOTA (SDSC SHAR)  
NELLORE**

**Tender for Design, Fabrication and Supply of Acid Circulation Cooler**

**Bids to be submitted online**

**Tender No.: SDSC SHAR/PCR Purchase/SH202400069201 dated 04-06-2024**

## A. Tender Details

Tender No :	<b>SDSC SHAR/PCR Purchase/SH202400069201</b>
Tender Date :	<b>04-06-2024</b>
Tender Classification:	<b>GOODS</b>
Purchase Entity :	<b>PCR Purchase</b>
Centre :	<b>SATISH DHAWAN SPACE CENTRE SHAR SRIHARIKOTA (SDSC SHAR)</b>

## Design, Fabrication and Supply of Acid Circulation Cooler

1. This is a two-part tender. Bidders should submit documents containing price details in PRICE BID only. If documents with price details/price details are submitted with techno-commercial part, such tenders will be treated as invalid and rejected.
2. In case the bidder proposes any other payment terms in deviation with the standard terms mentioned above, it may be noted that applicable cash flow implications will be loaded on the prices quoted for commercial comparison of the offers. If advance payments are insisted by the bidders, interest at the rate of MCLR (Marginal Cost Linked Rate) as notified by State Bank of India from time to time shall be loaded on the prices for price comparison.
3. GeM Availability Report and Past Transaction Summary (GeMARPTS) Report ID: GEM/GARPTS/04062024/VENH4BMP6545

### A.1 Tender Schedule

Bid Submission Start Date :	<b>04-06-2024 18:00</b>
Bid Clarification Due Date :	<b>11-06-2024 14:00</b>
Bid Submission Due Date :	<b>03-07-2024 14:00</b>
Bid Opening Date :	<b>03-07-2024 14:30</b>
Price Bid Opening Date :	<b>10-07-2024 14:30</b>

## **B. Tender Attachments**

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

**Document : Tender Specification Document**

**Document : Tende drawing \_ 02**

**Document : Tende drawing \_ 01**

### **Instructions To Vendors**

## C. Bid Templates

### C.1 Technical Bid - Design, Fabrication and Supply of Acid Circulation Cooler

#### 1. Acid Cooler

#### DESIGN, FABRICATION and SUPPLY OF ACID CIRCULATION COOLER

#### 2. INSPECTION

#### Third Party Inspection Charges

#### Item specifications for INSPECTION

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	TPI Charges	Approximate Third-Party Inspection charges for the works at Manufacture's site shall be quoted in the price bid. Charges will be paid against documentary evidence "on actuals" or quoted cost, whichever is lower	Yes / No / Explain		

#### Common Specifications (Applicable for all items)

SI No	Specification	Value	Compliance	Offered Specification	Remark
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1	Design of Acid circulation cooler including detailed engineering, procurement of raw materials, fabrication, testing at supplier's premises, inspection by the Third Party Inspection Agency (TPIA) & Purchaser, Degreasing/de scaling and painting	As per the specifications and standards mentioned in this tender specification document	Yes / No / Explain		
2	Delivery to Propellant Complex, Rasayani, Raigad District, Maharashtra, PIN-410207	As per the specifications and standards mentioned in this tender specification document	Yes / No / Explain		
3	Process design data	As per Table-1 of attached tender specification document	Yes / No / Explain		
4	Design code:	As per manufacturer standard, TEMA – B, ASME , Section VIII, Div-I, Latest Edition	Yes / No / Explain		
5	Welding :	TIG for all Conc. Nitric Acid /Brine wetted parts	Yes / No / Explain		
6	Radiography	All butt joints : 100%	Yes / No / Explain		
7	Material of construction	As per Table-2 & Drg. No. : PCR/LSSF/0121A/01 of this tender specification document	Yes / No / Explain		
8	Interface Connection Details:	As per Table-3 & Drg. No. : PCR/LSSF/0121A/01 of this tender specification document	Yes / No / Explain		
9	Design Requirements	As per clause No. 7 of this tender specification document	Yes / No / Explain		
10	INSPECTION & TESTING	As per clause No. 8 of this tender specification document	Yes / No / Explain		

11	FABRICATIO N	As per clause No. 9 of this tender specification document	Yes / No / Explain		
12	Testing of materials	As per clause Nos. 9.5.1 of this tender specification document	Yes / No / Explain		
13	Hydro testing	As per clause Nos. 9.5.3 of this tender specification document	Yes / No / Explain		
14	Pneumatic Leak Test	As per clause Nos. 9.5.5 of this tender specification document	Yes / No / Explain		
15	Mechanical Cleaning	As per clause Nos. 9.5.8 of this tender specification document	Yes / No / Explain		
16	Painting	As per clause Nos. 9.5.9 of this tender specification document	Yes / No / Explain		
17	Delivery of Acid Circulation Cooler	As per clause Nos. 14.1 to 14.4 of this tender specification document	Yes / No / Explain		
18	All other terms, clauses & Supply conditions	As per applicable clauses of this tender specification document	Yes / No / Explain		
19	Details shall be submitted within 30 days to TPIA and Purchaser for approval before commencement of fabrication after receipt of purchase order	Thermal and mechanical design calculations etc., Fabrication drawings, General arrangement drawing, indicating nozzle sizes, nozzle orientation, Overall dimensions, Bill of materials etc.	Yes / No / Explain		

### Supporting Documents required from Vendor

- 1. Bidder shall submit latest solvency certificate issued during ongoing financial year of minimum value of Rs. 10 lakhs from scheduled / nationalized bank**
- 2. Documentary evidence of minimum average annual turnover of not less than a value of Rs 36 lakhs per year in the previous three Audited financial years**
- 3. Bidder shall submit CA certified audited statement of financial status and Profit & Loss statement for preceding three years**
- 4. IT/ TDS certificate shall be submitted for preceding three financial years**

- 5. Documentary proof shall be submitted with the offer, one order of value of Rs. 20 lakhs or two orders of value of Rs 14 Lakhs each or three orders of Rs. 10 Lakhs each during preceding three Audited financial years in this regard**
- 6. Bidder shall submit documentary evidence endorsed by TPI agency like DNV/LLOYDS/TUV/EIL/BVQI or equivalent agency towards Quality requirements of Bidder's organization as ISO 9001 certified in the area of manufacturing activities**
- 7. Bidder shall submit required documentary evidence of in-house machinery like Plasma cutting machine, plate rolling machine, welding machine capable of Aluminum welding, etc. and all other machinery required to complete the job**
- 8. Bidder shall submit the documentary evidence (relevant PO copies) indicating the tank / vessel / heat exchanger design capabilities of similar capacity or higher made up of Aluminum material during previous 3 years period**
- 9. Bidder shall also submit corresponding work completion certificates / Inspection Release Note (by TPI agency) from the respective purchasers of the completed work orders**
- 10. Minimum 3 work orders / Purchase orders executed during previous 3 years period shall be submitted towards manufacturing of tanks / pressure vessels / heat exchangers made up of Aluminum material**
- 11. Documentary evidence indicating the availability & conformance/commitment of raw material supply from sub-vendor to the bidder shall be submitted as a mandatory requirement for technical bid evaluation**
- 12. Firm establishment / MSME / MSE certificate indicating nature of work shall be submitted with the technical bid. In case of MSME / MSE bidders, certificate mentioning Activity as "Manufacturing" under National Industrial Classification is mandatory**

5 additional documents can be uploaded by the vendor

## C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	Equipment should be one to one replacement to existing equipment as per attached indicative Drg. No. : PCR/LSSF/0121A/01	Yes / No / Explain	
2	Three copies of production master files shall be supplied by the fabricator along with the Acid Circulation Cooler as per clause no. 10 of attached tender specification document	Yes / No / Explain	
3	The Acid Circulation Cooler shall be dispatched at positive pressure of 0.5 bar(g) filled with dry Nitrogen / air (Pressure gauge with an isolation valve shall be mounted on one of the nozzle for monitoring the pressure).	Yes / No / Explain	
4	Delivery Term: Please quote your rates on FOR- PCR, RASAYANI basis including P&F, Transportation, Freight, Unloading charges etc. If you quote YES or ACCEPTED or NOTED or AS PER TENDER SPECIFICATIONS, it means your prices are FOR-PCR, RASAYANI basis including P&F, Unloading, FREIGHT charges etc.	Yes / No / Explain	
5	<p>GST Rate: As per the notification No. 6/2018-Central Tax (Rate) dt:25.01.2018 Sr. No. (ix) of (A) in Schedule-I and notification No. 7/2018-Integrated Tax (Rate) dt: 25.01.2018 Sr. No. (ix) of (A) in Schedule-I, issued by Ministry of Finance (Dept. of Revenue), PCR/SDSC SHAR/ISRO eligible for concessional rate of GST at a rate of 5% against the Exemption certificate provided by buyer as per prevailing norms. Therefore, GST for this tender shall be considered as 5%, while submitting the bid.</p> <p>Mention your GST registration details. GST No. for PCR- GSTIN: 27AAAGS1366J1Z2</p>	Yes / No / Explain	



6	<p>Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1 plus 15% (Selected by Buyer) of margin of purchase preference/price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 100% of total QUANTITY. Clearly specify whether you are eligible for MSE Preference. If YES, supporting documents shall be uploaded.</p>	Yes / No / Explain	
7	<p>PAYMENT TERM :- 100% payment within 30 days on supply and completion of job and certified by user division.</p>	Yes / No / Explain	
8	<p>Delivery schedule: As per clause 14.1 of the tender specification document</p>	Yes / No / Explain	
9	<p>Liquidated Damages: If the vendor fails to execute the order within the time specified in the order or any extension thereof, PCR/SDSC SHAR shall recover from the supplier as liquidated damages a sum of one half percentage (0.5%) of the ordered price of the undelivered stores for each calendar week of delay and part thereof. The total liquidated damages shall not exceed Ten percent (10%) of the order price. The delivery date stipulated in the order released by PCR will be the essence of the order.</p>	Yes / No / Explain	

10	Warranty:- As per clause 14.5 of the tender specification document.	Yes / No / Explain	
11	Performance Bank Guarantee: Vendor has to furnish a Performance Bank Guarantee worth 3% of the contract value through Bank Guarantee or Fixed Deposit Receipt or Demand Draft or Bankers Cheque from any of the Scheduled Banks executed on non-judicial stamp paper of appropriate value and shall be valid for a period of sixty days beyond the date for completion of warranty obligations.	Yes / No / Explain	
12	Security Deposit: - Successful Vendor has to furnish a Security Deposit worth 3% of the contract value through Bank Guarantee or Fixed Deposit Receipt or Demand Draft or Bankers Cheque from any of the Scheduled Banks executed on non-judicial stamp paper of appropriate value and should be valid for a period of sixty days beyond the date for completion of the Purchase Order. In case the vendor fails to furnish the security deposit, the Purchase Order/Contract may be cancelled. In the event of non-execution of the Purchase Order or breach of any terms and conditions of the Purchase Order, the Security Deposit shall be forfeited.	Yes / No / Explain	
13	SD cum PBG: Supplier can furnish single Bank Guarantee along with order acknowledgement towards Security Deposit (SD) & Performance Bank Guarantee (PBG) for an amount equivalent to 3% of order value obtained from a Nationalized/Scheduled Bank executed on non-judicial stamp paper of appropriate value and shall be valid till completion of total contractual obligation plus 60 days (i.e. Supply period plus warranty period plus 60 days). In case the vendor fails to furnish the BG towards Security Deposit or BG towards SD cum PBG after receipt of order, the Purchase Order/Contract may be cancelled. In the event of non-execution of the Purchase Order or breach of any terms and conditions of the Purchase Order, the BG towards Security Deposit or BG towards SD cum PBG shall be forfeited.	Yes / No / Explain	

14	<p>Make in India: Please refer OM No. P45021/2/2017-PP (BE-II) dated 16.09.2020 and all amendments, issued by Govt. of India w.r.t to Make in India policy, and indicate percentage of local content along with detailed break up of local content without mentioning any price details and provide self-certification that the item offered meet the local content requirement for Class-I Local Supplier/Class-II Local Supplier and provide details of the location(s) at which the local value addition is made. Please note that if the declaration is found false, your offer will be rejected without assigning any reason thereof. Only Class-I and Class-II local supplier are eligible to participate in this tender. It may be noted that Local Content shall not include services such as Transportation, Insurance, Installation, Commissioning, Training and after sales service support like AMC/CMC etc.</p>	Yes / No / Explain	
15	<p>Please provide valid/currently using E-mail Id &amp; Contact no. for seeking further clarifications if any</p>	Yes / No / Explain	
16	<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 transport worthy packing.</p>	Yes / No / Explain	
17	<p>Border Sharing Compliances : Please refer OM/order No.: F. No. 6/18/2019-PPD dt: 23.07.2020 issued by Govt. of India w.r.t. Border Sharing compliances. All the provisions mentioned in the said OM/order shall be complied. Please provide certificate w.r.t. border sharing compliances as per the said OM/order. Please note that if the declaration is found false, your offer will be rejected.</p>	Yes / No / Explain	

18	<p>Arbitration &amp; Reconciliation:  i. In case amicable settlement is not reached in the event of any dispute of difference arising out of the execution of the contract or the respective rights and liabilities of the parties or in relation to interpretation of any provision by the Supplier in any manner touching upon the contract, such dispute or difference shall (except as to any matters, the decision of which is specifically provided for therein) be referred to the sole arbitration of the arbitrator appointed by PCR.  ii. The award of the Arbitrator shall be binding upon the parties to the dispute.  iii. Subject as aforesaid, the provisions of Arbitration and Reconciliation Act 1996 (India) or statutory modifications or re-enactments thereof and the rules made there under and for the time being in force shall apply to the arbitration proceedings under this clause. The venue of the arbitration shall be held at Panvel, Raigarh District, Maharashtra and the language of the proceedings shall be in English. Subject to the above, the Courts at Panvel, Raigarh Dist., Maharashtra alone shall have the jurisdiction to deal any disputes between the Parties pertaining to the contract.  iv. The cost of arbitration shall be borne equally by both the parties.  v. Work under the contract shall be continued during the arbitration proceedings.</p>	Yes / No / Explain	
19	All other Terms and Conditions are as per tender specification documents.	Yes / No / Explain	

### C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
1	Acid Cooler DESIGN, FABRICATIO N and SUPPLY OF ACID CIRCULATIO N COOLER	1.00 Nos.		-		

2	INSPECTION Third Party Inspection Charges	1.00 Job		-		
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