

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

Tender for Supply of Raw Acid Tank

Bids to be submitted online

Tender No.: SDSC SHAR/PCR Purchase/SH202400061301 dated 04-06-2024

A. Tender Details

Tender No :	SDSC SHAR/PCR Purchase/SH202400061301
Tender Date :	04-06-2024
Tender Classification:	GOODS
Purchase Entity :	PCR Purchase
Centre :	SATISH DHAWAN SPACE CENTRE SHAR SRIHARIKOTA (SDSC SHAR)

Supply of Raw Acid Tank

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/28052024/RBG6D64IOWQG

A.1 Tender Schedule

Bid Submission Start Date :	04-06-2024 17:30
Bid Clarification Due Date :	15-06-2024 17:00
Bid Submission Due Date :	02-07-2024 13:00
Bid Opening Date :	02-07-2024 15:30
Price Bid Opening Date :	04-07-2024 15:00

B. Tender Attachments

Technical Write-up/Drawings

Document : Tender Specification Document

Document : Tende drawing

Instructions To Vendors

C. Bid Templates

C.1 Technical Bid - Supply of Raw Acid Tank

1. TANK

Design, Fabrication, Inspection, Testing, and Supply of Raw Acid tank to Propellant Complex, Rasayani, ISRO, Raigad District, Maharashtra as per attached Specifications

2. ERECTION AND COMMISSIONING

Transportation & Erection of Raw Acid tank at Propellant Complex, Rasayani, ISRO, Raigad District, Maharashtra as per attached Specifications

3. INSPECTION

Third party Inspection charges at Manufacture's site (Charges will be paid against documentary evidence "on actuals" or quoted cost, whichever is lower)

4. Miscellaneous

Removal of the existing tank

Common Specifications (Applicable for all items)

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Volumetric Capacity	30 m3	Yes / No / Explain		
2	Quantity Required	01 no.	Yes / No / Explain		
3	Design, Fabrication, Inspection, Testing, Supply, & Erection of Raw Acid tank	As per Tender Specification Document	Yes / No / Explain		
4	Tank Design Input Parameters	As per clause no. 2 of Tender Specification Document	Yes / No / Explain		
5	Material of Construction	As per Table – 01 under clause 3 of Tender Specification Document	Yes / No / Explain		

6	Welding	100% GTAW process shall be adopted with high purity Argon gas shielding, right from root to final passes for all butt welds (Long seams, 'C' seams, nozzles, pipe to flange joints) and all internal and external welds including fillet welds	Yes / No / Explain		
7	Welding technique	Double operating welding technique shall be employed for butt joints	Yes / No / Explain		
8	Filler wire for Welding	Aluminium Filler wire of minimum 99.8% purity shall be used (equivalent to AWS A5.10)	Yes / No / Explain		
9	Minimum plate width as 1.2 to 1.5 m	To minimize the number of weld joints successful bidder shall select the minimum plate width as 1.2 to 1.5 m	Yes / No / Explain		
10	Ultrasonic testing of the plates	Ultrasonic testing of the plates shall be carried out as per ASTM B 594 standard	Yes / No / Explain		
11	Material Testing	All materials shall be tested for physical & chemical test parameters as per applicable codes in Reputed Government approved testing lab prior to fabrication	Yes / No / Explain		
12	Pressue Testing	Hydraulic Water fill test shall be carried out as per Approved QAP for the tank and also Pneumatic leak test with GN2 / Air at 0.5 bar (g)	Yes / No / Explain		
13	Mechanical Cleaning	As per clause no. 8 of Tender Specification Document	Yes / No / Explain		
14	Tank sealing	As per clause no. 8.1 of Tender Specification Document	Yes / No / Explain		
15	TPI agency	The supplier has to engage one of the TPI agency from among DNV/LLOYDS / TUV / BVQI	Yes / No / Explain		

16	Stub ends fabrication	All stub ends shall be fabricated from bars by machining without any welding as per clause no. 12 and Table no. - 02 of Tender Specification Document	Yes / No / Explain		
17	Raw material availability / source	Raw material availability / source of raw materials shall be indicated in the technical offer to avoid delay in the equipment fabrication after placement of PO. Towards this, necessary 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	Yes / No / Explain		
18	PQR (Procedure Qualification Record) & WPS (Welding Procedure Specifications)	Vendor has to submit TPI reviewed PQR (Procedure Qualification Record) & WPS (Welding Procedure Specifications) for purchaser approval	Yes / No / Explain		
19	Welder Qualification	No welding shall be undertaken without approval of the welding procedure. Welders, before being engaged, must be qualified as per AWS. 6G qualified welder only shall be engaged	Yes / No / Explain		
20	Radiography	100% of all butt weld joints. •Radiographs have to be carried out with a sensitivity of 2-2T as per ASME sec V. Additional specifications as per clause 5.B of tender specification document	Yes / No / Explain		
21	Delivery Schedule	As per clause 10.C of tender specification document	Yes / No / Explain		

Supporting Documents required from Vendor

- 1. Signed and scanned tender specification document as a token of acceptance of all clauses, terms & conditions**
- 2. Documentary Evidence of ISO 9001 or equivalent certification in the area of manufacturing activities endorsed by TPI agency either by DNV/LLOYDS / TUV / EIL / BVQI or equivalent agency**
- 3. Documentary evidence of possession of in-house machinery like Plasma cutting machine, plate rolling machine, welding machine capable of Aluminum welding, etc.**
- 4. Minimum 3 work orders / Purchase orders executed during previous 3 years period shall be submitted in this regard.**
- 5. The Bidder shall submit documentary evidence towards design & manufacturing of tanks / pressure vessels made up of Aluminum material of similar capacity (20/30 m³ or higher)**
- 6. 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**
- 7. Submission of signed Annexure - 5**
- 8. Submission of signed Annexure - 3**
- 9. Submission of signed Annexure - 2**
- 10. Submission of signed Annexure - 1**
- 11. Bidder shall submit latest solvency certificate issued during ongoing financial year of minimum value of Rs. 15 lakhs from scheduled / nationalized bank**
- 12. The Bidder should have minimum average annual turnover of not less than a value of Rs 60 lakhs per year in the previous three Audited financial years**
- 13. Bidder shall submit CA certified audited statement of financial status and Profit & Loss statement for preceding three years**
- 14. IT/ TDS certificate shall be submitted for preceding three financial years**

15. Documentary proof shall be submitted with the offer for one order of value of Rs. 32 lakhs or two orders of value of Rs 24 Lakhs each or three orders of Rs. 16 Lakhs each during preceding three Audited financial years in this regard

16. Bidder shall also submit corresponding work completion certificates / Inspection Release Note (by TPI agency) from the respective purchasers.

17. In case of MSME / MSE bidders, certificate mentioning Activity as “Manufacturing” under National Industrial Classification is mandatory

18. Firm establishment / MSME / MSE certificate indicating nature of work as Manufacturing / Fabrication or equivalent shall be submitted with the technical bid.

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	The supplier has to engage one of the TPI agency from among DNV/LLOYDS/TUV/BVQI. The inspection Charges for TPI shall be paid against submission of documentary proof. However, the approximate TPI charges shall be quoted separately in price bid only	Yes / No / Explain	
2	All necessary Equipments like welding machine, Gas cutting set, Grinding M/C, etc and Consumables like Welding Electrodes, Gases, Grinding Wheels, paints, brushes, etc., required for carrying out the above work shall be in the scope of the bidder	Yes / No / Explain	
3	All material handling support, skilled and semi-skilled manpower required for carrying out the above work shall be in the scope of the bidder.	Yes / No / Explain	
4	The supplier along with the consignment shall supply three copies of production master files as per clause no. 10 d of this Tender Specification Document	Yes / No / Explain	
5	Total scope of work shall be carried out by Single successful bidder and the order will not be splitted	Yes / No / Explain	
6	Compliance to QAP as per Annexure – 4 and confirmation for updation after placement of PO	Yes / No / Explain	
7	The successful bidder shall submit detailed design calculations to Purchaser before fabrication	Yes / No / Explain	
8	Successful bidder shall supply 2 sets of required PTFE gaskets for all the nozzle interfaces, blind flanges for all the nozzle interfaces	Yes / No / Explain	
9	The attached drawing no. PCR/LSSF/0221/R0 of tank with this tender specification is for indicative purposes only	Yes / No / Explain	
10	Welding machine, Gas cutting set, Grinding M/C, etc, and Consumables like Welding Electrodes, Gases, Grinding Wheels, paints, brushes, etc., including material handling support, manpower required for carrying out works shall be in the scope of the bidder	Yes / No / Explain	

11	The scope of work also includes the removal of existing Raw Acid tank f about 1800 kg weight located at around 4 m height from the plant premises. The bidder shall arrange necessary equipments & resources to execute the removal of existing Raw Acid tank.	Yes / No / Explain	
12	Tank removal work involves dismantling of the 16 nos. of flanged nozzle connections and corresponding spool pieces. The schedule of these works for execution shall be discussed with the purchaser and to be finalized before dispatch of the new unit to PCR	Yes / No / Explain	
13	Delivery:Transportation, Unloading, Erection and commissioning shall be carried out by the bidder at Propellant Complex Rasayani, A Unit of SDSC, ISRO, Tal.: Panvel, Dist.: Raigad, PIN-410207, Maharashtra	Yes / No / Explain	
14	Purchaser reserves the right to include third party inspection requirement or delete the same, while releasing the purchase order.	Yes / No / Explain	
15	The supplier has to engage DNV/LLOYDS / TUV / BVQI as a THIRD-PARTY Inspection agency. The inspection Charges for Third Party Inspection shall be paid against submission of documentary proof	Yes / No / Explain	
16	The attached proposed QAP will form the basis for the final QAP. Any improvements / modifications in the QAP shall be binding on the successful bidder.	Yes / No / Explain	
17	The intended Raw Acid tank is proposed to be a one – to – one replacement of existing unit in the operational CNA / N2O4 plant. Hence the new unit has to be dimensionally correct.	Yes / No / Explain	
18	All materials shall be tested for physical & chemical test parameters as per applicable codes in Reputed Government approved testing lab prior to fabrication	Yes / No / Explain	
19	Material test certificate shall be furnished to Third Party Inspection (TPI) agency for review and then to purchaser for approval	Yes / No / Explain	

20	QAP to be prepared prior to fabrication and shall be submitted to the Purchaser for approval. All activities to be carried out as per approved QAP only	Yes / No / Explain	
21	TPI Charges will be paid against documentary evidence “on actuals” or quoted cost, whichever is lower	Yes / No / Explain	
22	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 and FREIGHT charges.	Yes / No / Explain	
23	<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	

24	<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	
25	<p>PAYMENT TERM :- As per clause 11(vii) of tender specification documents.</p>	Yes / No / Explain	
26	<p>Delivery Schedule: As per clause 10 of the tender specification documents.</p>	Yes / No / Explain	
27	<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	

28	<p>Warranty:- As per clause 11 (viii) of the tender specification documents.</p>	Yes / No / Explain	
29	<p>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.</p>	Yes / No / Explain	
30	<p>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.</p>	Yes / No / Explain	
31	<p>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.</p>	Yes / No / Explain	

32	<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	
33	<p>Please provide valid/currently using E-mail Id & Contact no. for seeking further clarifications if any</p>	Yes / No / Explain	
34	<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	
35	<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	

36	<p>Arbitration & Reconciliation:</p> <p>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.</p> <p>ii. The award of the Arbitrator shall be binding upon the parties to the dispute.</p> <p>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.</p> <p>iv. The cost of arbitration shall be borne equally by both the parties.</p> <p>v. Work under the contract shall be continued during the arbitration proceedings.</p>	Yes / No / Explain	
37	All other Terms and Conditions are as per specification documents.	Yes / No / Explain	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
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1	TANK Design, Fabrication, Inspection, Testing, and Supply of Raw Acid tank to Propellant Complex, Rasayani, ISRO, Raigad District, Maharashtra as per attached Specifications	1.00 Job					
2	ERECTION AND COMMISSIONING Transportation & Erection of Raw Acid tank at Propellant Complex, Rasayani, ISRO, Raigad District, Maharashtra as per attached Specifications	1.00 Job					
3	INSPECTION Third party Inspection charges at Manufacture's site (Charges will be paid against documentary evidence "on actuals" or quoted cost, whichever is lower)	1.00 Job					
4	Miscellaneous Removal of the existing tank	1.00 Job					