

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

**Tender for Design, Fabrication, Supply, Testing, Erection &
Commissioning of Vertical, Cylindrical & Fixed Cone Roof Furnace Oil
(FO) Storage Tanks**

Bids to be submitted online

Tender No.: SDSC SHAR/PCR Purchase/SH202200119101 dated 07-09-2022

A. Tender Details

Tender No : **SDSC SHAR/PCR Purchase/SH202200119101**

Tender Date : **07-09-2022**

Tender Classification: **GOODS**

Purchase Entity : **PCR Purchase**

Centre : **SATISH DHAWAN SPACE CENTRE SHAR SRIHARIKOTA
(SDSC SHAR)**

Procurement of Design, Fabrication, Supply, Testing, Erection & Commissioning of Vertical, Cylindrical & Fixed Cone Roof Furnace Oil (FO) Storage Tanks

This is a Two Part Public Tender for Procurement of Design, Fabrication, Supply, Testing, Erection & Commissioning of Vertical, Cylindrical & Fixed Cone Roof Furnace Oil (FO) Storage Tanks

A.1 Tender Schedule

Bid Submission Start Date : **07-09-2022 17:00**

Bid Clarification Due Date : **16-09-2022 14:00**

Bid Submission Due Date : **07-10-2022 14:00**

Bid Opening Date : **07-10-2022 14:30**

Price Bid Opening Date : **12-10-2022 14:30**

B. Tender Attachments

Technical Write-up/Drawings

Document : Tender Specification Document

Document : 30 cum FO tanks indicative drawing

Document : 20 cum FO tanks indicative drawing

Document : Tank farm Layout

Instructions To Vendors

C. Bid Templates

C.1 Technical Bid - Design, Fabrication, Supply, Testing, Erection & Commissioning of Vertical, Cylindrical & Fixed Cone Roof Furnace Oil (FO) Storage Tanks

1. TANKS

Design, Fabrication & Supply of Vertical, Cylindrical & Fixed Cone Roof Furnace Oil (FO) Storage Tanks to Propellant Complex, Rasayani, ISRO (PCR) : 30 m3 capacity

2. TANKS

Design, Fabrication & Supply of Vertical, Cylindrical & Fixed Cone Roof Furnace Oil (FO) Storage Tanks to Propellant Complex, Rasayani, ISRO (PCR): 20 m3 capacity

3. ERECTION AND COMMISSIONING

Testing, Erection & Commissioning, etc. of items against sl. no. 1 at Propellant Complex Rasayani, ISRO (PCR)

Item specifications for ERECTION AND COMMISSIONING

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	Detailed Specification	refer Annexure	Yes / No / Explain		

4. ERECTION AND COMMISSIONING

Testing, Erection & Commissioning, etc. of items against sl. no. 2 at Propellant Complex Rasayani, ISRO (PCR)

Item specifications for ERECTION AND COMMISSIONING

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	Detailed Specification	refer Annexure	Yes / No / Explain		

5. TPI

Approximate Third Party Inspection charges for both at Manufacture's site as well as purchaser's erection site towards sl.no. 1 to 4 as above (Charges will be paid against documentary evidence "on actuals" or quoted cost, whichever is lower)

Common Specifications (Applicable for all items)

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply of 30 cubic meter capacity Furnace Oil tanks - 2 nos.	Height: 3.0 m, Diameter: 3.55 m	Yes / No / Explain		
2	Supply of 20 cubic meter capacity Furnace Oil tanks - 2 nos.	Height: 3.0 m, Diameter: 2.95 m with heating coil and insulation	Yes / No / Explain		
3	Code of practice for design, fabrication and erection of vertical mild steel cylindrical welded oil storage tank	IS:803	Yes / No / Explain		
4	Material of construction for nozzle pipes & fittings	As per IS:2062	Yes / No / Explain		
5	Heating Coil material of construction	ASTM SA179	Yes / No / Explain		
6	Gaskets for manholes and nozzles fitted with blind flanges	As per IS 2712	Yes / No / Explain		
7	Bolts and nuts for all nozzles fitted with blind flanges	As per IS: 1367 or ASTM A-307 Gr. B or A-193	Yes / No / Explain		
8	Bolts and nuts for all structural	As per IS: 1363	Yes / No / Explain		
9	Heating coil pipes	Shall be of seamless quality	Yes / No / Explain		
10	Level Control System	3 level switches for high, low and extra low level of oil in the tank shall be provided for all the tanks	Yes / No / Explain		
11	Mechanical level indicator	Float and board type to be provided for each tank. Material of construction for all components is SS304/SS316	Yes / No / Explain		

12	DRAWINGS AND DOCUMENTS	As per clause no. 2.4 of the attached Tender Specification document	Yes / No / Explain		
13	Tank fabrication	As per clause nos. 3.1 to 3.12 of the attached Tender Specification document	Yes / No / Explain		
14	INSPECTION AND TESTING	As per clause nos. 4.1 to 4.6.5 of the attached Tender Specification document	Yes / No / Explain		
15	Calibration	Strapping and calibration of all tanks shall be done in accordance with IS: 2007 & 2008 (Latest editions)	Yes / No / Explain		
16	PAINTING	As per clause nos. 4.8 of the attached Tender Specification document	Yes / No / Explain		
17	Material of construction for tank roof, shell and bottom plates	As per IS:2062 Grade E250 Quality A Specifications	Yes / No / Explain		
18	Plates used for construction of Equipment	Free from any lamination and manufacturing defects by grid method ultrasonic testing as per IS – 4225	Yes / No / Explain		

Supporting Documents required from Vendor

1. Bidder shall submit the documentary evidence indicating the tank / vessel design capabilities of similar capacity (20/30 m³ or higher) during previous 3 years period by submitting relevant PO copies having design scope.

2. Details of work of similar type – minimum 3 nos. completed by providing copies of purchase orders during the preceding three years

3. Bidder shall submit audited statement of financial status for preceding three years ending with 2021-22

4. IT/ TDS certificate shall be submitted for preceding three financial years ending with 2021-22

5. The Bidder shall submit at least one order of value of Rs. 40 lakhs or two orders of value of Rs 30 Lakhs each or three orders of Rs. 20 Lakhs each during preceding three Audited financial

years ending with 2021-22.

6. Firm establishment certificate indicating nature of work

7. Bidder shall submit the documentary evidence indicating tank / vessel erection & commissioning works by submitting relevant PO copies / inspection reports during previous 3 years period

8. Bidder shall sign and submit tender specification document as a token of acceptance of all Tender conditions

9. Annexures – 1 to Annexure – 3 shall be filled, signed and to be uploaded on the portal under Vendor Solicited Documents section

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	Delivery Schedule: Erection and commissioning within 2 weeks from the date of PCR site clearance.	Yes / No / Explain	
2	Delivery Schedule: The supply scope of work as per this specification document shall be completed within maximum period of 4 months from the date of drawing approval.	Yes / No / Explain	
3	Bidder shall submit audited statement of financial status for preceding three years ending with 2021-22	Yes / No / Explain	
4	IT/ TDS certificate shall be submitted for preceding three financial years ending with 2021-22	Yes / No / Explain	
5	Considering the interconnected nature of work involved, order splitting is not envisaged and order may be placed on technically suitable overall lowest offer	Yes / No / Explain	
6	Submit Firm establishment certificate indicating nature of work.	Yes / No / Explain	
7	The Bidder shall have executed at least one order of value of Rs. 40 lakhs or two orders of value of Rs 30 Lakhs each or three orders of Rs. 20 Lakhs each during preceding three Audited financial years ending with 2021-22.	Yes / No / Explain	
8	Bidder shall submit the documentary evidence indicating tank / vessel erection & commissioning works by submitting relevant PO copies and inspection reports / work completion certificates during previous 3 years period	Yes / No / Explain	
9	Bidder shall submit the documentary evidence indicating the tank / vessel design capabilities of similar capacity (20/30 m ³ or higher) during previous 3 years period by submitting relevant PO copies having design scope	Yes / No / Explain	
10	The Bidder shall be a party who has manufactured tanks & pressure vessels and executed similar / identical works during previous 3 years period	Yes / No / Explain	

11	Bids from manufacturers / fabricators alone will be considered for evaluation. Bids from agents / traders / distributors / dealers, etc. will not be considered for evaluation	Yes / No / Explain	
12	Delivery Schedule: Successful bidder shall submit design calculations & proposed drawing within 2 weeks after release of PO for purchaser's approval.	Yes / No / Explain	
13	Delivery terms: Material handling support, skilled and semiskilled manpower required for carrying out the above work shall be in the scope of the bidder	Yes / No / Explain	
14	Delivery terms: All necessary Equipments like welding machine, Gas cutting set, Grinding M/C, etc, and Consumables like Welding Electrodes, Gases, Grinding Wheels, paints, brushes, etc., for carrying out the above work shall be in the scope of the bidder	Yes / No / Explain	
15	Delivery:Transportation, 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	
16	SCOPE OF SERVICES:As per clause nos. 6 of the attached Tender Specification document	Yes / No / Explain	
17	Third Party Inspection: The supplier has to engage DNV/LLOYDS / TUV / EIL / BVQI as a THIRD-PARTY Inspection agency.	Yes / No / Explain	
18	P & F charges, if any, please mention percentage/amount. Note: Suppliers are requested to explicitly state whether Quoted percentage is Extra or Inclusive, If Not i.e, if you quote as "YES/Accepted /Noted/ As per tender specifications" it will be treated as included in the quoted basic cost. Only percentage should be mentioned in Techno-Commercial part otherwise offer shall be summarily rejected.	Yes / No / Explain	

19	<p>Taxes: GST if any, please mention percentage (HSN/SAC code shall be indicated for each item and accordingly mention the GST Rate applicable as per prevailing guidelines.)</p> <p>Note: Suppliers are requested to explicitly state whether Quoted percentage/amount is Extra or Inclusive, If Not i.e, if you quote as "YES/Accepted /Noted/ As per tender specifications" it will be treated as included in the quoted basic cost.</p>	Yes / No / Explain	
20	<p>As per Office Memorandum No 6/9/2020-PPD dated 24/08/2020 of Department of Expenditure, it shall be mandatory for sellers providing Goods and Services to Central Government Organizations to be registered on GeM and obtain a Unique GeM Seller ID, at the time of Placement of Order/ contract. Successful Tenderer shall ensure the same and provide Unique GeM Seller ID at the time of placement of order/ contract.</p>	Yes / No / Explain	
21	<p>Please mention your GST registration details & enclose a copy of GST Registration.</p>	Yes / No / Explain	
22	<p>Delivery Term:- FOR, PCR, Rasayani</p>	Yes / No / Explain	
23	<p>Freight charges, if any. If YES please mention the percentage. Note: Please state Whether Quoted percentage/amount is Extra or Inclusive, if not it will be treated as included in the quoted cost.</p> <p>Only percentage should be mentioned in Techno-Commercial part otherwise offer shall be summarily rejected.</p>	Yes / No / Explain	

24	<p>Payment Term :-</p> <p>(1) 100% payment shall be made within 30 days of erection & commissioning and acceptance of the system at our site.</p> <p>(2) In case of advance payment, for the purpose of evaluation, interest factor shall be loaded on the amount so paid as advance for the delivery period quoted as per MCLR of State Bank of India prevailing on the date of tender opening. Further, for any delay in executing the contract, Purchaser shall recover interest on the amount paid as advance for the delayed period at the MCLR of State Bank of India prevailing on the date of the payment besides other remedies available for breach of the contract.</p> <p>(3) Advance payment, if any, shall not exceed 30% of the contract value to private firms and 40% of contract value to a State or Central Government agencies or a Public Sector Undertaking.</p> <p>(4) Advance payments shall be against Bank Guarantee (BG) of the equivalent value of Advance payment executed on minimum 100 Rupees non-judicial stamp paper and valid till two months beyond the completion of erection, commissioning and acceptance of the system.</p>	Yes / No / Explain	
25	<p>Liquidated Damages (LD) :- Since delivery is the essence of this order, LD will be levied @ 0.5% per week or part thereof subject to a maximum of 10% of the order value for the delayed period of scope of work.</p>	Yes / No / Explain	
26	<p>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.</p>	Yes / No / Explain	

27	<p>Performance Bank Guarantee (PBG) :- Vendor has to furnish a Performance Bank Guarantee worth 3% of the basic contract value through Bank Guarantee (BG) or Fixed Deposit Receipt (FDR) or Demand Draft (DD) or Bankers Cheque (BC) from any of the Scheduled Banks executed on minimum 100 Rupees non-judicial stamp paper and shall be valid for a period of sixty days beyond the date for completion of warranty obligations.</p>	Yes / No / Explain	
28	<p>Security Deposit (SD) :- Successful Vendor has to furnish a Security Deposit ,within 14 days of receipt of order, worth 3% of the basic contract value through Bank Guarantee (BG) or Fixed Deposit Receipt (FDR) or Demand Draft (DD) or Bankers Cheque (BC) from any of the Scheduled Banks executed on minimum 100 Rupees non-judicial stamp paper and should be valid for a period of sixty days beyond the date for completion of the Purchase Order.</p> <p>In case the vendor fails to furnish the security deposit within the specified date or extended due date, the Purchase Order/Contract shall be cancelled.</p> <p>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	
29	<p>SD cum PBG: In case, you are unable to provide two separate BGs, i.e., one for SD & one for PBG, you can submit a combined BG for SD & PBG, within 14 days of receipt of order, for 3 % of the Order value valid till the completion of total contractual obligation (i.e., Supply period plus warranty period plus 60 days).</p>	Yes / No / Explain	
30	<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	

31	Validity of Offer :- The validity of the offers / tenders should be 120 days from the date of opening of the tenders. Tenders shorter than offer validity mentioned above will not be considered for evaluation.	Yes / No / Explain	
32	The Contractor shall verify/certify the conduct of the work force. If any of the work force misbehaves or commits any misconduct, PCR/SDSC SHAR reserves the right to refuse permission to such persons to enter the premises and such work force shall be withdrawn by the contractor immediately.	Yes / No / Explain	
33	The Contractor shall employ Indian Nationals above age of 18 years only.	Yes / No / Explain	
34	The Contractor should comply all Labour Laws, Minimum Wages Act, Payment of Employees Provident Fund, ESI and Bonus under workmen Compensation Act and other laws applicable from time to time.	Yes / No / Explain	
35	Please provide an undertaking for the compliance of all Labour Laws as applicable from time to time including Minimum Wages Act, Payment of ESI/ EPF/ GST etc.	Yes / No / Explain	
36	INCOME TAX: Income Tax at the prevailing rate as applicable from time to time shall be deducted from the successful Bidders bill as per the Income Tax Act, 1961 and the rules there-under or any re-enactment or Modifications thereof.	Yes / No / Explain	
37	Remarks if any	Yes / No / Explain	
38	Please provide valid/currently using E-mail Id & Contact No. for seeking further clarifications if any	Yes / No / Explain	

39	<p>For this procurement, bids from Class-I & class-II Local Suppliers ONLY are admissible. Hence provisions contained in Public Procurement (Preference to Make in India), Order 2017 issued by Department for Promotion of Industry and Internal Trade (DIPP), Ministry of Commerce & Industries vide letter No. P-45021/2/2017-PP(BE-II) dated 16.09.2020 and subsequent amendment & directives shall be followed. Accordingly, offer will be evaluated & processed in conformation with above referred GOI order (Specially mentioned below). The bidder shall provide compliance and undertaking as per order and hereafter amendments:</p> <p>(a) Class-I local supplier means a supplier or service provider, whose goods, service or works offered for procurement, has local content equal to or more than 50%, as defined under order.</p> <p>(b) Class-II local supplier means a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%, as defined under this Order.</p> <p>You are requested to provide Self Declaration Certificate that the offered Item meets Local Content Requirement of Class 1 or Class 2 as per Make in India(MII) Policy, clearly indicating the Percentage of local content & the details of Location(s) at which value addition is made in the offered product.</p> <p>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	
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40	<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% 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 total QUANTITY. Clearly specify whether you are eligible for MSE Preference. If YES, supporting documents shall be uploaded.</p>	Yes / No / Explain	
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41	<p>Border Sharing Compliances : Please refer OM 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 above OM shall be complied.</p> <p>Please provide following declaration on letter head of the bidder w.r.t. border sharing compliances</p> <p>I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India. I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered.</p> <p>Where applicable, evidence of valid registration by the Competent Authority shall be attached.</p> <p>Please note that if the declaration is found false, your offer will be rejected.</p>	Yes / No / Explain	
42	<p>No Employment Claim: The manpower engaged in executing the order will be treated as employees of contractor only and under no circumstances they will have any right to claim any employment, regular or otherwise, under PCR/SDSC SHAR/ISRO.</p>	Yes / No / Explain	
43	<p>PCR/SDSC SHAR will not be responsible for any contingency arising while erection and commissioning work in PCR/SDSC SHAR premises. The contractor shall be responsible for the safety of the work force. PCR/SDSC SHAR shall not be responsible for any accident/injury/loss of life of work force due to natural calamities, accidents or any reason.</p>	Yes / No / Explain	
44	<p>As this is a two-part tender, bidders should submit documents containing price details in PRICE BID only. Any sort of declaration of price/s or If documents with price details are submitted with techno-commercial part, such tenders will be treated as invalid.</p>	Yes / No / Explain	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
1	TANKS Design, Fabrication & Supply of Vertical, Cylindrical & Fixed Cone Roof Furnace Oil (FO) Storage Tanks to Propellant Complex, Rasayani, ISRO (PCR) : 30 m3 capacity	2.00 Nos.		-		
2	TANKS Design, Fabrication & Supply of Vertical, Cylindrical & Fixed Cone Roof Furnace Oil (FO) Storage Tanks to Propellant Complex, Rasayani, ISRO (PCR): 20 m3 capacity	2.00 Nos.		-		
3	ERECTION AND COMMISSIONING Testing, Erection & Commissioning, etc. of items against sl. no. 1 at Propellant Complex Rasayani, ISRO (PCR)	1.00 Job		-		

4	ERECTION AND COMMISSIONING Testing, Erection & Commissioning, etc. of items against sl. no. 2 at Propellant Complex Rasayani, ISRO (PCR)	1.00 Job		-		
5	TPI Approximate Third Party Inspection charges for both at Manufacture's site as well as purchaser's erection site towards sl.no. 1 to 4 as above (Charges will be paid against documentary evidence "on actuals" or quoted cost, whichever is lower)	1.00 Job		-		

Common charges (Applicable for all items)

FREIGHT PER COMMON	
P&F PER COMMON	