

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

Tender for Supply of Stainless Steel wire braided PTFE inner core convoluted hoses as per the enclosed specifications

Bids to be submitted online

Tender No.: SDSC SHAR/LSSF PURCHASE/SH202200176001 dated 11-01-2023

A. Tender Details

Tender No : **SDSC SHAR/LSSF PURCHASE/SH202200176001**

Tender Date : **11-01-2023**

Tender Classification: **GOODS**

Purchase Entity : **LSSF PURCHASE**

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

Supply of Stainless Steel wire braided PTFE inner core convoluted hoses as per the enclosed specifications

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A.1 Tender Schedule

Bid Submission Start Date : **11-01-2023 13:59**

Bid Clarification Due Date : **24-01-2023 17:00**

Bid Submission Due Date : **09-02-2023 16:00**

Bid Opening Date : **10-02-2023 14:30**

Price Bid Opening Date : **10-03-2023 14:30**

B. Tender Attachments

Technical Write-up/Drawings

Document : Detailed specification and QAP document

Instructions To Vendors

2. We are proposing to invite Tenders in Two Parts viz., Part-I Techno and Commercial & Part-II Price. All Tenderers are requested to follow carefully the following instructions before preparing their offer.

1.PART- I- TECHNO COMMERCIAL BID -

(1)This part should contain detailed Specifications of the items quoted by you along with Technical Literature and Leaflets if any.

(2)All the Commercial terms and Conditions applicable also should be indicated separately under separate heads.

(3)The Commercial terms such as delivery terms, delivery period, payment terms, warranty, validity of the offer, Installation & Commissioning, Duties and Taxes etc shall come into this.

(4)Either Technical Specifications or Terms & Conditions as above should be very clearly reflected items wise with reference to the items called for in the tender.

(5)Please note those Prices should not be indicated in this part.

(6)Any deviations from the Technical Specifications and Commercial Terms shall be indicated separately.

2.PART II PRICE BID

(1)The prices applicable for the items, item wise in response to the tender shall come into this part.

(2)Tender shall indicate very clearly item wise prices with reference to their Technical Offer.

C. Bid Templates

C.1 Technical Bid - Supply of Stainless Steel wire braided PTFE inner core convoluted hoses as per the enclosed specifications

1. Braided Hoses: Supply of SS wire braided -PTFE -inner core flexible hose as per the enclosed specifications. With hose identification tag name: SLP-UT/MLP-N

Item specifications for Braided Hoses

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	For detailed specifications and Qualification Acceptance Plan(QAP)	See the Enclosed specification and QAP	Yes / No / Explain		

2. Braided Hoses: Supply of SS wire braided -PTFE -inner core flexible hose as per the enclosed specifications. With hose identification tag name: SLP-UT/MLP-U

Item specifications for Braided Hoses

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	For detailed specifications and Qualification Acceptance Plan(QAP)	See the enclosed specification and QAP	Yes / No / Explain		

3. Braided Hoses: Supply of SS braided -PTFE -inner core flexible hose as per the enclosed specifications. With hose identification tag name: SLP-RFDS-GS2/PS2-N- MLP-1

Item specifications for Braided Hoses

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	For detailed specifications and Qualification Acceptance Plan(QAP)	See the enclosed specifications and QAP	Yes / No / Explain		

4. Braided Hoses: Supply of SS braided -PTFE -inner core flexible hose as per the enclosed specifications. With hose identification tag name: SLP-RFDS-GS2/PS2-U- MLP-1

Item specifications for Braided Hoses

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	For detailed specifications and Qualification Acceptance Plan(QAP)	See the enclosed specifications and QAP	Yes / No / Explain		

5. Braided Hoses: Supply of SS wire braided -PTFE -inner core flexible hose as per the enclosed specifications. With hose identification tag name: SLP-RFDS-L40 -N-C15

Item specifications for Braided Hoses

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	For detailed specifications and Qualification Acceptance Plan(QAP)	See the enclosed specifications and QAP	Yes / No / Explain		

6. Braided Hoses: Supply of SS wire braided -PTFE -inner core flexible hose as per the enclosed specifications. With hose identification tag name: SLP-RFDS-L40 -U-C15

Item specifications for Braided Hoses

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	For detailed specifications and Qualification Acceptance Plan(QAP)	See the enclosed specifications and QAP	Yes / No / Explain		

7. Braided Hoses: Supply of SS wire braided -PTFE -inner core flexible hose as per the enclosed specifications. With hose identification tag name: SLP-RFDS-L110 -N

Item specifications for Braided Hoses

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	For detailed specifications and Qualification Acceptance Plan(QAP)	See the enclosed specifications and QAP	Yes / No / Explain		

8. Braided Hoses: Supply of SS wire braided -PTFE -inner core flexible hose as per the enclosed specifications. With hose identification tag name: SLP-RFDS-L110 -U

Item specifications for Braided Hoses

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	For detailed specifications and Qualification Acceptance Plan(QAP)	See the enclosed specifications and QAP	Yes / No / Explain		

9. Braided Hoses:Supply of SS wire braided -PTFE -inner core flexible hose as per the enclosed specifications. With hose identification tag name:SLP-MLP-Stage-UVGPN/U

Item specifications for Braided Hoses

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	For detailed specifications and Qualification Acceptance Plan(QAP)	see the enclosed specification and QAP	Yes / No / Explain		

Common Specifications (Applicable for all items)

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Packing and transport	Hoses should be packed properly to avoid damage /crushing during transportation, loading and unloading.	Yes / No / Explain		
2	Scope of Supply:	Manufacture, inspection, testing, packing and delivery of flexible hoses as per the given specification	Yes / No / Explain		

3	Hoses construction and features	All hoses shall be made of Teflon (PTFE) Inner Core, reinforced with stainless steel SS 304 or SS 304L wire braiding. Hoses(for both convoluted and smooth bore) shall be of Electro Static Dissipation conductive in nature.	Yes / No / Explain		
4	Number of wires required for braiding and braiding pattern to be specified by vendor	To be given by supplier	Yes / No / Explain		
5	End fittings and loose flanges material of construction	All end fittings like; hoses ends, stub ends shall be of A182 F 304 or 304L materials. (However No welding shall be attempted on the end fittings). Loose flanges shall be of A 182 F 304 / 304L materials. All end fittings shall be supplied with End closures of Aluminium/SS Material. Flanged ends shall be covered with plastic covers.	Yes / No / Explain		
6	End fittings assembly mechanism	The hoses end fittings supplied shall conform to the specifications and they shall be permanently attached to hoses by crimping or swaging.	Yes / No / Explain		
7	All stub ends and loose flanges shall conform to	ANSI B 16.5 with serrations	Yes / No / Explain		
8	Manufacturing compliance standard and Bend radius of the hoses compliance details	All flexible hoses shall be manufactured in accordance with MIL standard or equivalent quality. Supplier has to submit the drawings and specify recommended minimum static and dynamic bend radius of hose. Bend radius of hose in accordance with SAE AS 620, SAE AS 1946 or MIL-DTL-25579.	Yes / No / Explain		

9	Copper and its alloys should not be used anywhere in the hose assembly as they are not compatible with service media.	Nil	Yes / No / Explain		
10	End fittings: Raw material shall be procured only from reputed manufacturer with Mill Test Certificates traceability. Materials used for manufacturing the items shall be tested in Government approved lab for mechanical, chemical and IGC tests.	Mechanical test certificate, Chemical analysis test certificates, IGC test reports shall be provided	Yes / No / Explain		
11	Stub ends and forged loose flanges shall be procured from reputed manufacturers only with material compliance test certificates.	Mechanical test certificate, Chemical analysis test certificates, IGC test reports shall be provided	Yes / No / Explain		
12	Threaded end fittings shall be machined from	Forged stainless steel bars/rods. Material Test Certificates shall be provided	Yes / No / Explain		
13	All the hoses and end fittings should be cleaned .	as per standard procedure/practice/manufacturer's standard	Yes / No / Explain		
14	Splicing/jointing of hoses to make up the full length is not acceptable.	Not Acceptable	Yes / No / Explain		

15	Burst Pressure and bend radius details of all the hoses mentioned in the indent are minimum requirement and shall be specified by supplier based on the design of the hose	shall be specified BY SUPPLIER	Yes / No / Explain		
16	INSPECTION:	Inspection of hoses shall be carried out by the purchaser prior to dispatch at manufacturers site as per enclosed QAP and supplier shall ensure that QAP is strictly followed in all stages of manufacturing, Testing & Inspection.	Yes / No / Explain		
17	Documents to be supplied along with the consignment	<ol style="list-style-type: none"> 1. Certificate of hydro test with water (carried out on each hose assembly) 2. Certificate of leak test with Nitrogen (carried out on each hose assembly) 3. Certificate of Burst pressure test (If required needs to be carried out on one hose as part of batch acceptance) 4. Visual, dimensional checks, material certificates (chemical, Mechanical & IGC) and final inspection reports 5. Compliance certificates for Cleanliness, Thread Check and Ball check verification reports 	Yes / No / Explain		

18	All the hoses shall be hydro tested as per QAP. In addition to hydro test, all hoses shall be pneumatic leak tested with Nitrogen gas at operating pressure.	Hydro Test media: de-mineralized water of less than 25 ppm of chloride content	Yes / No / Explain		
19	Hose assemblies shall be supplied with SS/Aluminium tags,	indicating Tag No., Size, and Material of construction, Year of manufacturing and maximum operating pressure.	Yes / No / Explain		
20	Wherever material of construction is not mentioned,	it shall be of SS 304/304L only. No carbon steel or any other material is accepted.	Yes / No / Explain		
21	Drawing: Detailed Drawing, indicating all Dimensions and Material of construction need to be submitted	for Purchaser's approval, after placement of Purchase Order and before commencing production. All correspondence should be made in English only.	Yes / No / Explain		
22	Burst Pressure of hose shall meet to the minimum requirement as per the table-3 provided in detailed specification sheet.	If required one 50NB hose shall be burst tested in presence of purchaser	Yes / No / Explain		
23	Hoses should be guaranteed for .	12 months from the date of receipt and acceptance of material at our site	Yes / No / Explain		
24	For detailed specifications and Qualification Acceptance Plan(QAP)	See the enclosed Specification and QAP	Yes / No / Explain		

Supporting Documents required from Vendor

1. Certificate of previous burst test report on 50NB size hose with suitable end fittings

- 2. All the tender documents has to be signed, stamped and submitted along with the offer**
- 3. Document indicating that bidder in the field of manufacturing / supplying of similar type of hoses for the past 5 years(Excluding the years 2020 and 2021)**
- 4. Details of test facilities and equipments**
- 5. Company profile or credentials in the field of SS braided PTFE inner core hoses**
- 6. Purchase order execution details of similar hoses by masking the value of the items**

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	If required supplier needs to carry out burst pressure test on one meter length 50NB hose with 300 class loose flange with stub end on both sides.	Yes / No / Explain	
2	Delivery Term: Please quote your rates on FOR- SDSC SHAR, Sriharikota basis including P&F & freight charges. If you quote YES or ACCEPTED or NOTED or AS PER TENDER SPECIFICATIONS, it means your prices are FOR- Sriharikota basis including P&F and FREIGHT charges. Even if you quote P&F and FREIGHT charges are extra in price bid or at any other place, this only holds good.	Yes / No / Explain	
3	Taxes: Please mention applicable GST rate against each items (respective HSN/SAC code also to be mentioned) Mention your GST registration details. GST No. for SHAR- GSTIN: 37AAAGS1366J1Z1	Yes / No / Explain	

4	<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 25% (selected by Buyer) percentage of total QUANTITY.</p> <p>Clearly specify whether you are eligible for MSE Preference. If YES, supporting documents shall be uploaded.</p>	Yes / No / Explain	
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5	<p>As per Notification No. 05/2018 CUSTOMS Dtd. 25.01.2018 ISRO is eligible to reduced rate of customs duty @ 10.775% (CD@5% plus Surcharge@10% plus IGST@5%). In case of foreign component involved, We will provide Customs Duty Exemption Certificate in case of Import Orders/ imported supplies/ High Sea Sales. In this connection, tenderer has to provide the following.</p> <p>(i) Please indicate whether your rate is inclusive of this Customs duty @ 10.775% or extra. (ii) what would be the percentage of foreign exchange component you have considered in your quote. (iii) List of items with approximate quantities which require customs duty exemption certificate to be provided.</p> <p>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. Please note that in Two part tenders, only percentage should be mentioned otherwise those offers shall be summarily rejected.</p>	Yes / No / Explain	
6	<p>VALIDITY OF OFFER: - The validity of offers/tenders should be 180 days from the date of opening of the tenders. Tenders shorter than offer validity mentioned above will not be considered for evaluation.</p>	Yes / No / Explain	
7	<p>Delivery Period:</p>	Yes / No / Explain	
8	<p>Payment Term :- 100% payment shall be made through PFMS within 30 days of receipt and acceptance of the item at our site.</p>	Yes / No / Explain	
9	<p>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 for the delayed period of supply/ scope of work.</p>	Yes / No / Explain	

10	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	
11	Performance Bank Guarantee (PBG) :- You have to submit a PBG from a Nationalised / Scheduled Bank for 3 % of the order value at the time of supply valid till the completion of warranty period plus 60 days towards claim period.	Yes / No / Explain	
12	Security Deposit (SD) :- 3 % value of the order shall be deposited with SDSC within 10 days from the date of the Purchase Order towards security deposit in the form of Bank Guarantee towards performance of the Contract valid till completion of the contract period plus sixty days towards claim period. (This will be returned by SDSC immediately on execution of the order satisfactorily as per order terms. If not, the amount will be forfeited). NOT REQUIRED FOR LANDED COST BELOW RS.5 LAKHS.	Yes / No / Explain	
13	In case, if parties are unable to provide two separate BGs, i.e., one for SD & one for PBG, they can submit a combined BG for SD & PBG for 3 % of the Order value valid till the completion of total contractual obligation (i.e., Supply period plus warranty period plus 60 days). Please confirm.	Yes / No / Explain	
14	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.	Yes / No / Explain	
15	Remarks if any	Yes / No / Explain	
16	In case of foreign orders: (a) Please specify whether any Export clearance is required. (b) Please specify whether any agency commission is involved or not	Yes / No / Explain	

17	<p>Special conditions against Indian Agents submitting quotations in Foreign Currency.</p> <p>(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.</p> <p>(b) Copy of Agency agreement with the Foreign Principal, precise relationship between them and their mutual interest in the business.</p> <p>(c) The enlistment of the Indian Agent with Director-General of Supplies & Disposals under the Compulsory Registration Scheme of Ministry of Finance.</p>	Yes / No / Explain	
18	Please provide valid/currently using E-mail Id & Contact no. for seeking further clarifications if any	Yes / No / Explain	

19	<p>For this procurement, bids from Class-I & class-II Local Suppliers 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 04.06.2020 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: Order no: F.No.6/18/2019 PPD dated 23.07.2020 of Department of Expenditure), Ministry of Finance Under Public procurement division for the General Financial rule (GFRs).</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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20	<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	
21	<p>PART ORDER: We reserve the right to place part order based on item wise L1 offer, if required. Please confirm acceptance for part order.</p>	Yes / No / Explain	
22	<p>Do you have Unique GeM Seller ID? If YES, provide details If NO, 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/acceptance of contract. Tenderers shall ensure the same.</p>	Yes / No / Explain	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
1	Braided Hoses: Supply of SS wire braided - PTFE -inner core flexible hose as per the enclosed specifications .With hose identification tag name: SLP-UT/MLP-N	16.00 Nos.		-		

2	Braided Hoses: Supply of SS wire braided - PTFE -inner core flexible hose as per the enclosed specifications .With hose identification tag name: SLP-UT/MLP-U	16.00 Nos.				
3	Braided Hoses: Supply of SS braided - PTFE -inner core flexible hose as per the enclosed specifications . With hose identification tag name: SLP-RFDS-GS2/PS2-N-MLP-1	2.00 Nos.				
4	Braided Hoses: Supply of SS braided - PTFE -inner core flexible hose as per the enclosed specifications . With hose identification tag name: SLP-RFDS-GS2/PS2-U-MLP-1	2.00 Nos.				
5	Braided Hoses: Supply of SS wire braided - PTFE -inner core flexible hose as per the enclosed specifications .With hose identification tag name: SLP-RFDS-L40 -N-C15	8.00 Nos.				

6	Braided Hoses: Supply of SS wire braided - PTFE -inner core flexible hose as per the enclosed specifications . With hose identification tag name: SLP-RFDS-L40 -U-C15	8.00 Nos.				
7	Braided Hoses: Supply of SS wire braided - PTFE -inner core flexible hose as per the enclosed specifications . With hose identification tag name: SLP-RFDS-L110 -N	2.00 Nos.				
8	Braided Hoses: Supply of SS wire braided - PTFE -inner core flexible hose as per the enclosed specifications . With hose identification tag name: SLP-RFDS-L110 -U	2.00 Nos.				
9	Braided Hoses:Supply of SS wire braided - PTFE -inner core flexible hose as per the enclosed specifications . With hose identification tag name:SLP-MLP-Stage-UVGPN/U	4.00 Nos.				