

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

Tender for Liquid Sensor

Bids to be submitted online

Tender No.: SDSC SHAR/LSSF PURCHASE/SH202400041301 dated 05-04-2024

A. Tender Details

Tender No :	SDSC SHAR/LSSF PURCHASE/SH202400041301
Tender Date :	05-04-2024
Tender Classification:	GOODS
Purchase Entity :	LSSF PURCHASE
Centre :	SATISH DHAWAN SPACE CENTRE SHAR SRIHARIKOTA (SDSC SHAR)

Liquid Sensor

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 that 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.

Note: PLEASE NOTE THAT THE OFFERS SUBMITTED CONTRACTORY TO ABOVE INSTRUCTIONS WILL BE LIABLE FOR REJECTION. PLEASE ENSURE OFFERS ARE SUBMITTED WITHIN THE DUE DATE

A.1 Tender Schedule

Bid Submission Start Date : **05-04-2024 17:50**

Bid Clarification Due Date : **19-04-2024 17:00**

Bid Submission Due Date : **06-05-2024 16:00**

Bid Opening Date : **06-05-2024 16:00**

Price Bid Opening Date : **07-05-2024 14:30**

B. Tender Attachments

NA

C. Bid Templates

C.1 Technical Bid - Liquid Sensor

1. Liquid sensors - Supply of 40NBX150#, 200mm sensor length Liquid Sensor

Item specifications for Liquid sensors

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Sensor working principle	Ultrasonic tip sensing or Ultrasonic contact technology or Ultrasonic sound wave propagation	Yes / No / Explain		
2	Housing material	Epoxy coated cast Aluminum or Aluminum sand cast	Yes / No / Explain		
3	Sensor & Flange material	SS 316 L / SS 316	Yes / No / Explain		
4	Flange Size	40 NB	Yes / No / Explain		
5	Class Rate	150#	Yes / No / Explain		
6	Length of the sensor from bottom of flange	200 mm	Yes / No / Explain		
7	Excitation Power Supply	24 VDC ($\pm 5\%$)	Yes / No / Explain		
8	Relay output	Hermetically sealed DPDT relay of 5 amps with 24 VDC operation	Yes / No / Explain		
9	Relay contacts for output status monitoring	2 sets of Common, NO & NC potential free contacts	Yes / No / Explain		
10	Electrical conduit connection thread and number of conduits	3/4" NPT	Yes / No / Explain		
11	Repeatability	2mm	Yes / No / Explain		

12	Fail safe	Field Selectable high or low with jumper	Yes / No / Explain		
13	Minimum Operating pressure	15 bar	Yes / No / Explain		
14	Ambient Temperature	Electronics: -10° C to +60° C	Yes / No / Explain		
15	Process Temperature	Transducer: -10° C to +60° C	Yes / No / Explain		
16	Ex-Proof Certification	Shall be Explosion proof certified for use in Group IIC environment Hazardous area.	Yes / No / Explain		

2. Liquid sensors - Supply of 40NBX300#, 200mm sensor length Liquid Sensor

Item specifications for Liquid sensors

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Sensor working principle	Ultrasonic tip sensing or Ultrasonic contact technology or Ultrasonic sound wave propagation	Yes / No / Explain		
2	Housing material	Epoxy coated cast Aluminum or Aluminum sand cast	Yes / No / Explain		
3	Sensor & Flange material	SS 316 L / SS 316	Yes / No / Explain		
4	Flange Size	40 NB	Yes / No / Explain		
5	Class Rate	300#	Yes / No / Explain		
6	Length of the sensor from bottom of flange	200 mm	Yes / No / Explain		
7	Excitation Power Supply	24 VDC (±5%)	Yes / No / Explain		
8	Relay output	Hermetically sealed DPDT relay of 5 amps with 24 VDC operation	Yes / No / Explain		
9	Relay contacts for output status monitoring	2 sets of Common, NO & NC potential free contacts	Yes / No / Explain		

10	Electrical conduit connection thread and number of conduits	3/4" NPT	Yes / No / Explain		
11	Repeatability	2mm	Yes / No / Explain		
12	Fail safe	Field Selectable high or low with jumper	Yes / No / Explain		
13	Minimum Operating pressure	30 bar	Yes / No / Explain		
14	Ambient Temperature	Electronics: -10° C to +60° C	Yes / No / Explain		
15	Process Temperature	Transducer: -10° C to +60° C	Yes / No / Explain		
16	Ex-Proof Certification	Shall be Explosion proof certified for use in Group IIC environment Hazardous area.	Yes / No / Explain		

Supporting Documents required from Vendor

1. Party shall clearly indicate model number of the item and description of each code if any during the tender submission without which offer is not considered.
2. Party shall furnish the relevant catalogue/technical literature highlighting the model no along with the accessories during the tender submission.

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	Installation, operational & maintenance manuals shall be supplied along with the items.	Yes / No / Explain	
2	Material test certificate for the wetted parts/certificate of conformity to be supplied along with the item.	Yes / No / Explain	
3	FM/ATEX or equivalent Explosion proof certificate and weather proof certificate shall be furnished with the item.	Yes / No / Explain	
4	Items shall be manufactured on or after December 2023	Yes / No / Explain	
5	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	
6	In case of Specific Brand items, Please provide Authorization certificate from OEM.	Yes / No / Explain	

7	<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	
8	Delivery Period (Please mention the delivery period required)	Yes / No / Explain	
9	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.	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	<p>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. [The said percentage reconsideration shall be based on guidelines issued by Govt. of India, from time to time]</p>	Yes / No / Explain	
12	<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	
13	<p>Please provide valid/currently using E-mail Id & Contact no. for seeking further clarifications if any</p>	Yes / No / Explain	
14	<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	

15	<p>Taxes: PLEASE CLICK YES, IF TAX/GST IS EXTRA TO YOUR PRICE, THEN ONLY PUT THE TAX/GST RATE IN TAX COLUMN IN PRICE BID. ALSO MENTION GST EXTRA IN REMARKS COLUMN IN PRICE BID. PLEASE CLICK NO, IF YOUR PRICES ARE INCLUSIVE OF GST, IN GST COLUMN PUT 0 (ZERO) IN PRICE BID. ALSO, MENTION GST IS INCLUDED IN PRICE IN REMARKS COLUMN. (HSN/SAC CODE SHALL BE INDICATED FOR EACH ITEM AND ACCORDINGLY MENTION THE GST RATE APPLICABLE AS PER PREVAILING GUIDELINES.) AS PER THE GST NOTIFICATION NO.7/2018-INTEGRATED TAX (RATE) DT 25.01.2018 (A) IN SCHEDULE I 5% (IX) S.NO. 243 (A) AS AMENDED BY NOTIFICATION NO.25/2018-INTEGRATED TAX (RATE) DT 31.12.2018 (B) IN SCHEDULE I 5% - (VIII) ISSUED BY MINISTRY OF FINANCE (DEPT.OF REVENUE), FOR RAW MATERIALS, SPARES, TOOLS AND CONSUMABLES ETC., REQUIRED FOR LAUNCH VEHICLES APPLICABLE GST IS 5%. NO CERTIFICATE IS REQUIRED TO BE ISSUED BY SDSC SHAR.</p>	Yes / No / Explain	
16	Remarks if any	Yes / No / Explain	
17	PART ORDER: We reserve the right to place part order based on item wise L1 offer, if required. Please confirm acceptance for part order.	Yes / No / Explain	
18	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.	Yes / No / Explain	
19	Suppliers are requested to submit your offer only in Indian Rupees. Note: Offers received in Foreign Currency will be rejected.	-	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
1	Liquid sensors - Supply of 40NBX150#, 200mm sensor length Liquid Sensor	2.00 Nos.		-		
2	Liquid sensors - Supply of 40NBX300#, 200mm sensor length Liquid Sensor	2.00 Nos.		-		