

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

Tender for Supply of SS GN2 Receiver & Air Receivers

Bids to be submitted online

Tender No.: SDSC SHAR/LSSF PURCHASE/SH202300021201 dated 28-02-2023

A. Tender Details

Tender No : **SDSC SHAR/LSSF PURCHASE/SH202300021201**

Tender Date : **28-02-2023**

Tender Classification: **GOODS**

Purchase Entity : **LSSF PURCHASE**

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

Supply of SS GN2 Receiver & Air Receivers

Supply of SS GN2 Receiver & Air Receivers

A.1 Tender Schedule

Bid Submission Start Date : **28-02-2023 10:30**

Bid Clarification Due Date : **10-03-2023 14:00**

Bid Submission Due Date : **23-03-2023 16:00**

Bid Opening Date : **24-03-2023 14:30**

Price Bid Opening Date : **24-04-2023 14:30**

B. Tender Attachments

Technical Write-up/Drawings

Document : CHECKLIST TO BE FILLED BY THE CONTRACTOR

Document : TECHNICAL FORMAT TO BE FILLED BY BIDDER

Document : TECHNO-COMMERICAL BID FORMAT

Document : Air receiver drg

Document : GN2 RECEIVER

Document : RFP SPECIFICATIONS

Document : BIDDER MINIMUM QUALIFICATION CRITERIA

Document : EVALUATION CRITERIA

Instructions To Vendors

9. 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 not 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 SS GN2 Receiver & Air Receivers

1. AUTOCLAVE / FABRICATION: Design, Fabrication, Testing and Supply of Stainless Steel Nitrogen receivers as per the Specifications enclosed.

Document : RFP SPECIFICATIONS

2. AUTOCLAVE/FABRICATION:Design, Fabrication, Testing and Supply of Stainless Steel Air receivers as per the Specifications enclosed.

Item specifications for AUTOCLAVE

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Description	Compliance	Yes / No / Explain		
2	Offers shall be submitted in two parts 1) Techno-Commercial Bid, 2) Price bid	YES/NO	Yes / No / Explain		
3	Techno- Commercial un-priced bid format filled and submitted	YES/NO	Yes / No / Explain		
4	Format as per 2.3 in Section-A filled and submitted	YES/NO	Yes / No / Explain		
5	Price details (Detailed Break-up) as per Price bid format filled and submitted	YES/NO	Yes / No / Explain		
6	Proposal Document: As per General terms and condition, Section –A Clause A	YES/NO	Yes / No / Explain		
7	Preparation of bids: As per General terms and condition, Section- A Clause B	YES/NO	Yes / No / Explain		
8	Bid submission: As per General terms and condition, Section –A Clause C	YES/NO	Yes / No / Explain		

9	Bid evaluation: As per General terms and condition, Section-A Clause D	YES/NO	Yes / No / Explain		
10	Delivery Period: As per General terms and condition, Section-A, Clause E , point 1	YES/NO	Yes / No / Explain		
11	Taxes and Duties: As per General terms and condition, Section-A Clause E , point 2	YES/NO	Yes / No / Explain		
12	Make in India: As per General terms and condition, Section-A Clause E , point 3	YES/NO	Yes / No / Explain		
13	Terms of Payments: As per General terms and condition, Section-A Clause E , point 4	YES/NO	Yes / No / Explain		
14	Liquidated damages: As per General terms and condition, Section-A Clause E , point 5	YES/NO	Yes / No / Explain		
15	Warranty: As per General terms and condition, Section-A Clause E , point 6	YES/NO	Yes / No / Explain		
16	Performance bank guarantee: As per General terms and condition, Section-A, Clause E , point 7	YES/NO	Yes / No / Explain		
17	Security deposit: As per General terms and condition, Section-A Clause E , point 8	YES/NO	Yes / No / Explain		
18	Force majeure: As per General terms and condition, Section-A Clause E , point 9	YES/NO	Yes / No / Explain		
19	Secrecy: As per General terms and condition, Section-A Clause E , point 10	YES/NO	Yes / No / Explain		
20	Compliance with security requirements: As per General terms and condition, Section-A, Clause E , point 11	YES/NO	Yes / No / Explain		

21	Confidentiality and proprietary right protection: As per General terms and condition, Section-A, Clause E , point 12	YES/NO	Yes / No / Explain		
22	Terms & Conditions to bidder: As per General terms and condition, Section-A, Clause E , point 13	YES/NO	Yes / No / Explain		
23	Unit rates: As per General terms and condition, Section-A Clause E , point 14	YES/NO	Yes / No / Explain		
24	Surveillance Inspection by Department: As per General terms and condition, Section-A Clause E , point 15	YES/NO	Yes / No / Explain		

Common Specifications (Applicable for all items)

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	ii.Service Conditions:	YES/NO	Yes / No / Explain		
2	a) Medium : Compressed air	YES/NO	Yes / No / Explain		
3	b) Operating Pressure : 15 bar	YES/NO	Yes / No / Explain		
4	c) Design pressure : 20 bar.	YES/NO	Yes / No / Explain		
5	d) Operating Temperature : 50 Deg .C.	YES/NO	Yes / No / Explain		
6	iii.Design standard: ASME SEC.VIII-DIV-1, Latest edition up to 2004 year (up to march).	YES/NO	Yes / No / Explain		
7	iv.Testing:	YES/NO	Yes / No / Explain		
8	a) Hydro test Pressure : As per code.	YES/NO	Yes / No / Explain		
9	b) Pneumatic Leak Test : 6 bar	YES/NO	Yes / No / Explain		

10	v.Fabrication process: Sl.No. 'a' to 'd'	YES/NO	Yes / No / Explain		
11	vi. Approval: Approval by Purchaser/TPI for Design calculations and fabrication drawing prior to commencement of work and Dispatch document prior to dispatch.	YES/NO	Yes / No / Explain		
12	vii.Material of Construction: SA 240 Gr 304L	YES/NO	Yes / No / Explain		
13	viii.Nozzles: Sl.No. 'a' to 'c'	YES/NO	Yes / No / Explain		
14	ix.Earth boss	YES/NO	Yes / No / Explain		
15	x..Name plate	YES/NO	Yes / No / Explain		
16	xi. Lifting lugs	YES/NO	Yes / No / Explain		
17	xii.Accessories required	YES/NO	Yes / No / Explain		
18	xiii. Supporting legs	YES/NO	Yes / No / Explain		
19	xiv.Third party inspection	YES/NO	Yes / No / Explain		
20	xv. QAP	YES/NO	Yes / No / Explain		
21	xvi. Stage inspection	YES/NO	Yes / No / Explain		
22	Design pressures, Tank capacities, shell and Dome Thickness & Allowances and schedule of quantity: Service: GN2 & Air Receivers. As per sl.no 1.3	YES/NO	Yes / No / Explain		

23	Welding as per sl.no. 1.4	YES/NO	Yes / No / Explain		
24	Radiography as per sl.no. 1.5	YES/NO	Yes / No / Explain		
25	Heat treatment as per sl.no. 1.6	YES/NO	Yes / No / Explain		
26	i.Solution annealing	YES/NO	Yes / No / Explain		
27	ii.Stress relieving	YES/NO	Yes / No / Explain		
28	Testing as per sl.no.1.7	YES/NO	Yes / No / Explain		
29	a.Testing of materials	YES/NO	Yes / No / Explain		
30	b.Hydraulic pressure test	YES/NO	Yes / No / Explain		
31	i.Before Hydro test all the surfaces of the tanks shall be mechanically cleaned.	YES/NO	Yes / No / Explain		
32	c.Pneumatic Leak Test	YES/NO	Yes / No / Explain		
33	Material of Construction as per Table-I, sl.no 1.8	YES/NO	Yes / No / Explain		
34	General conditions, PART-II	YES/NO	Yes / No / Explain		
35	Acceptance of QAP as per Annexure - A	YES/NO	Yes / No / Explain		
36	Procedure for Mechanical cleaning, Degreasing Pickling, Passivation and Painting (Inner surface and outer surface) as per Annexure - B	YES/NO	Yes / No / Explain		

37	Surface preparation & painting of epoxy primer Preferable make: Berger/Bombay paints/CDC/GP	YES/NO	Yes / No / Explain		
38	Checklist to be filled by the bidder, Section-C, Section - C, Sl.No: I	YES/NO	Yes / No / Explain		
39	Format to be filled by the bidder, Section-C, Section - C, Sl.No: II	YES/NO	Yes / No / Explain		
40	Confirm Bidder minimum Qualification criteria is filled and submitted, Section - C, Sl.No: III	YES/NO	Yes / No / Explain		
41	Confirm Evaluation criteria is filled and submitted, Section - C, Sl.No: IV	YES/NO	Yes / No / Explain		
42	SUPPLIER TO GIVE POINT WISE CONFIRMATION	COMPLIANCE	Yes / No / Explain		

43	DESIGN,FABRICATION,INSPECTION,TESTING AND SUPPLY OF STAINLESS STEEL NITROGEN RECEIVERS (CAPACITY:1 cu.m) PART - I TECHNICAL SPECIFICATION: Over all dimensions and internal details shall be as per the drawings enclosed.Drg. No. SS/GN2 RECEIVER /01	YES/NO	Yes / No / Explain		
44	SCOPE OF WORK as per Sl.no. 1.2	YES/NO	Yes / No / Explain		
45	i.Type:Vertical, cylindrical with 2:1 Ellipsoidal dished ends.QTY. - 11 Nos.	YES/NO	Yes / No / Explain		
46	ii.Service Conditions: a) Medium : Nitrogen gas	YES/NO	Yes / No / Explain		
47	b) Operating Pressure : 10 bar	YES/NO	Yes / No / Explain		
48	c) Design pressure : 12.5 bar.	YES/NO	Yes / No / Explain		
49	d) Operating Temperature. : 50 Deg .C.	YES/NO	Yes / No / Explain		
50	iii.Design standard: ASME SEC.VIII-DIV-1, Latest edition up to year 2004 (up to march).	YES/NO	Yes / No / Explain		
51	iv.Testing.:	YES/NO	Yes / No / Explain		
52	a) Hydro test Pressure : As per code	YES/NO	Yes / No / Explain		

53	b) Pneumatic Leak Test : 10 bar	YES/NO	Yes / No / Explain		
54	v.Fabrication process: Sl.No. 'a' to 'd'	YES/NO	Yes / No / Explain		
55	DESIGN,FABRICATION, INSPECTION, TESTING AND SUPPLY OF STAINLESS STEEL AIR RECEIVERS (CAPACITY:5 cu.m) PART - I TECHNICAL SPECIFICATION: Over all dimensions and internal details shall be as per the drawings enclosed.Drg. No. SS/AIR RECEIVER /01	YES/NO	Yes / No / Explain		
56	Scope of work as per S.No. 1.2	YES/NO	Yes / No / Explain		
57	Design Parameters for AIR RECEIVER: As per Sl.no 1.2	YES/NO	Yes / No / Explain		
58	i.Type:Vertical, cylindrical with dished ends.QTY. - 03 Nos.	YES/NO	Yes / No / Explain		

Supporting Documents required from Vendor

1. Acceptance and Sign with stamp on the "QAP- Quality Assurance Plan" as per annexure-I of the specifications
2. Fill and submission of "Format to be Filled by Bidder" as per annexure-III of the specifications.
3. Submission of drawings and design calculations.

4. Submission of Specification & Technical data sheets of all supply items.

5. The supplier shall sign and stamp each page of specification as token of acceptance and submit along with the offer

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	The Supplier shall design the Air receivers and prepare detailed fabrication drawings, the design calculations and drawings shall be sent to the purchaser and TPI for approval Before commencement of fabrication works.	Yes / No / Explain	
2	Supplier shall submit the offer along with annexure-I (QAP) and annexure-III (Format to be Filled by Bidder) . Offer will not be considered without submission of Annexure-I and Annexure-III	Yes / No / Explain	
3	The supplier shall submit the offer in adherence with the specifications given. Any deviation or non-conformance shall be clearly spelt out in the offer	Yes / No / Explain	
4	The supplier shall design the GN2 receivers and prepare detailed fabrication drawings, the design calculations and drawings shall be sent to the purchaser and TPI for approval. Before commencement of fabrication works.	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	<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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7	<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.</p> <p>(ii) what would be the percentage of foreign exchange component you have considered in your quote.</p> <p>(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.</p> <p>Please note that in Two part tenders, only percentage should be mentioned otherwise those offers shall be summarily rejected.</p>	Yes / No / Explain	
8	<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	
9	<p>Delivery Period: 08 months from the date of Purchase Order.</p>	Yes / No / Explain	
10	<p>Payment Term :- 100% payment shall be made through PFMS within 30 days of receipt and acceptance of the item at our site or as per clause no.E.4 of General terms and conditions(Section-A) of tender specifications.</p>	Yes / No / Explain	
11	<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	

12	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	
13	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	
14	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	
15	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	
16	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	
17	Remarks if any	Yes / No / Explain	
18	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	

19	<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	
20	Please provide valid/currently using E-mail Id & Contact no. for seeking further clarifications if any	Yes / No / Explain	

21	<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	
22	<p>Please quote applicable GST Rate in Tax column. If your rate is included in price, you have to quote tax as "0" in Tax Column and mention the same in Remarks column.</p>	Yes / No / Explain	

23	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	
24	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	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
1	AUTOCLAVE / FABRICATIO N: Design, Fabrication, Testing and Supply of Stainless Steel Nitrogen receivers as per the Specifications enclosed.	11.00 Nos.		-		
2	AUTOCLAVE /FABRICATI ON:Design, Fabrication, Testing and Supply of Stainless Steel Air receivers as per the Specifications enclosed.	3.00 Nos.		-		