

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

**Tender for Supply of ground servicing Pneumatic rigs for CPCS and associated spare flow components and spare kits for flow components**

**Bids to be submitted online**

**Tender No.: SDSC SHAR/LSSF PURCHASE/SH202200142801 dated 16-11-2022**

## **A. Tender Details**

Tender No :	<b>SDSC SHAR/LSSF PURCHASE/SH202200142801</b>
Tender Date :	<b>16-11-2022</b>
Tender Classification:	<b>GOODS</b>
Purchase Entity :	<b>LSSF PURCHASE</b>
Centre :	<b>SATISH DHAWAN SPACE CENTRE SHAR SRIHARIKOTA (SDSC SHAR)</b>

### **Supply of ground servicing Pneumatic rigs for CPCS and associated spare flow components and spare kits for flow components**

Supply of ground servicing Pneumatic rigs for CPCS and associated spare flow components and spare kits for flow components

#### **A.1 Tender Schedule**

Bid Submission Start Date :	<b>16-11-2022 16:30</b>
Bid Clarification Due Date :	<b>25-11-2022 14:47</b>
Bid Submission Due Date :	<b>15-12-2022 16:00</b>
Bid Opening Date :	<b>16-12-2022 14:30</b>
Price Bid Opening Date :	<b>15-01-2023 14:30</b>

## **B. Tender Attachments**

### **Technical Write-up/Drawings**

**Document : specifications for supply of Rigs**

### **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 item 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 ground servicing Pneumatic rigs for CPCS and associated spare flow components and spare kits for flow components

#### 1. PNEUMATIC EQUIPMENT

Design, engineering, procurement of flow components, fabrication, testing, & supply of pneumatic servicing rig [Gaseous Helium (GHe)] as per the Dwg No: LSSF/CGS/PSRGHe-01/R0(attachement1) & as per the technical specifications

#### Item specifications for PNEUMATIC EQUIPMENT

SI No	Specification	Value	Compliance	Offered Specification	Remark
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1	GHe Servicing rig brief details (attachment 1)	<p>Medium :GHe(Gaseous Helium) Range of SS Pipe Sizes:15NB,25NB Range of Pipe sch:40sch to 160sch Tube size:6mm and 1.35thick Range of Flow rate :160NM3/Hr to 20NM3/Hr Range of working pressure:400bar to 2.0bar Procurement of Flow components:EP Ball valves ,manual globe /needle valves/pressure regulators/safety relief valves /gauge shutoff valves /Filters Instruments :Pressure Gauges/Pressure transmitters/solenoid valves , Testing on equipment :DP/Radiography/hydro/pneumatic /functional Fabrication:For pipe SS TIG welding and structure:ARC welding cleaning of pipelines: For Oxygen gas usage delivery :to SHAR</p>	Yes / No / Explain		
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## 2. PNEUMATIC EQUIPMENT

**Design, engineering, procurement of flow components fabrication, testing, & supply of pneumatic servicing rig [Gaseous Nitrogen(GN2)] Dwg. No: LSSF/CGS/PSR-GN2-01/R0 (attachment 2)& as per the technical specifications**

### Item specifications for PNEUMATIC EQUIPMENT

SI No	Specification	Value	Compliance	Offered Specification	Remark
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1	GN2 Servicing rig brief details (attchement2)	<p>Medium :GN2(Gaseous Nitrogen) Range of SS Pipe Sizes:15NB,25NB Range of Pipe sch:40sch to 160sch Tube size:6mm and 1.35thick Range of Flow rate :260NM3/Hr to 20NM3/Hr Range of working pressure:400bar to 2.0bar Procurement of Flow components:EP Ball valves ,manual globe /needle valves/pressure regulators/safety relief valves /gauge shutoff valves /Filters Instruments :Pressure Gauges/Pressure transmitters/solenoid valves , Testing on equipment :DP/Radiography/hydro/pneumatic /functional Fabrication:For pipe SS TIG welding and structure:ARC welding cleaning of pipelines: For Oxygen gas usage delivery :to SHAR</p>	Yes / No / Explain		
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### 3. EQUIPMENT SPARES

Spares for flow components and spare kits for the flow components for GHe pneumatic servicing rig as per Annexure-6

#### Item specifications for EQUIPMENT SPARES

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Spare flow components and spare kits for the GHe servicing rig	Model numbers shall be same as selected for GHe pneumatic equipment and as per annexure 6	Yes / No / Explain		

#### 4. EQUIPMENT SPARES

Spares for flow components and spare kits for the flow components for GN2 pneumatic servicing rig as per Annexure-6

#### Item specifications for EQUIPMENT SPARES

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Spare flow components and spare kits for the GN2 servicing rig	Model numbers shall be same as selected for GN2 pneumatic equipment and as per annexure 6	Yes / No / Explain		

#### Common Specifications (Applicable for all items)

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Procurement of items: Confirm to procure flow components, pipes & piping elements from the manufacturers or their authorized Dealer/agents only	To be confirmed by bidder	Yes / No / Explain		
2	The bidder shall submit the details of the machinery/machinery power available/required for realization of the equipment as in- house	To be confirmed by bidder	Yes / No / Explain		
3	Piping software for generation fabrication drawings and isometrics	To be confirmed by bidder	Yes / No / Explain		
4	the 6G Qualified TIG Welder (min. of 3 welders) & ITI Qualified fitters (min. of 3) for carrying out works	To be confirmed by bidder	Yes / No / Explain		

5	Skilled workers for carrying out the Qualification/assembly and testing	To be confirmed by bidder	Yes / No / Explain		
6	Equipment for carrying out operations like pipe bending, cutting & grinding	To be confirmed by bidder	Yes / No / Explain		
7	Hydro and pneumatic testing equipment	To be confirmed by bidder	Yes / No / Explain		
8	Oxygen cleaning of the pipe spools after fabrications	To be confirmed by bidder	Yes / No / Explain		
9	Identified engineers for generating the test reports /design reports	To be confirmed by bidder	Yes / No / Explain		
10	Acceptance of the bidder w.r.t each annexure of tender document	To be confirmed by bidder	Yes / No / Explain		
11	Acceptance to Overview of System, Scope of Work & Supply, and Design for Guide Lines, fabrication, testing and conditioning, Assembly & Integrated Testing of Equipment, Panels & Inspection as given in Annexure 1.	To be confirmed by bidder	Yes / No / Explain		



12	Acceptance to Bid submission, offer validity, taxes, payments, payment terms and other purchase terms and conditions, delivery and general conditions are as given in Annexure-2.	To be confirmed by bidder	Yes / No / Explain		
13	Acceptance to technical specifications of pneumatic servicing rigs as given in Annexure 3.	To be confirmed by bidder	Yes / No / Explain		
14	Acceptance to technical specifications of flow components, instrumentation and piping elements, Conditions for Procurement of Flow Components and testing of flow components is as given in Annexure-4.	To be confirmed by bidder	Yes / No / Explain		
15	Acceptance to the schedule of flow components as given in Annexure-5.	To be confirmed by bidder	Yes / No / Explain		
16	Acceptance to supply the list of spare flow components and spare kits same as model numbers selected for rigs as given in Annexure-6	To be confirmed by bidder	Yes / No / Explain		

17	Tentative Quality Assurance Plan for flow components, piping elements, & fabrication, testing & assembly as given in Annexure-7.	To be confirmed by bidder	Yes / No / Explain		
18	Acceptance to generate final QAP and which shall be acceptable to both and shall be finalized before opening the price bid. Party shall submit the finalized QAP along with the Techno commercial bid.	To be confirmed by bidder	Yes / No / Explain		
19	Party shall submit the details of the flow component make, constructional drawings ,bore size, PN rating, end connections and submit the technical specifications of the flow component as given in Annexure-8	To be confirmed by bidder	Yes / No / Explain		
20	Party shall give compliance to the Minimum Qualification Criteria as given in Annexure-9	To be confirmed by bidder	Yes / No / Explain		

21	Party shall give compliance to the Bid Evaluation Criteria as given in Annexure-10	To be confirmed by bidder	Yes / No / Explain		
22	Acceptance to Equipment Wise P & I (attachment 1 & 2) diagrams are given in Annexure-11	To be confirmed by bidder	Yes / No / Explain		
23	Part order acceptance to the quoted price: Part order will be issued as follows (GN2 RIG and GN2 rig spare flow components and spare kits for flow components) and(GHE rig and GHe rig spare flow components and spare kits for flow components).Rig and its spares together will be considered for splitting the order	To be confirmed by bidder	Yes / No / Explain		

24	Total cost of equipment shall be inclusive of all charges (Eg. P&F, transportation Testing ,Customs duty and any other charges as applicable ) except GST (Applicable HSN code shall be mentioned along with offer. No extra cost /Additional shall be mentioned in the offer	To be confirmed by bidder	Yes / No / Explain		
25	Acceptance to the delivery schedule of 16weeks from the date of purchase order	To be confirmed by bidder	Yes / No / Explain		
26	Any deviations shall be submitted separately with company stamp and signature of authorized	To be confirmed by bidder	Yes / No / Explain		
27	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	To be confirmed by bidder	Yes / No / Explain		

28	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	To be confirmed by bidder	Yes / No / Explain		
29	The percentage of local content should be specifically mentioned in the offer, without which it will be summarily rejected	To be confirmed by bidder	Yes / No / Explain		

**Supporting Documents required from Vendor**

**1. Make of the flow components, constructional drawings, finalized QAP and proofs for minimum qualification criteria and other details in document shall be submitted 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	Along with rigs and spares ,3 Sets of test reports of all elelemnts and rigs and warranty certificates shall be submitted	Yes / No / Explain	
2	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	
3	<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	

4	<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.  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	
5	<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	
6	<p>Delivery Term: PLEASE QUOTE YOUR RATES ON FOR SDSC SHAR, SRIHARIKOTA BASIS INCLUDING P&amp;F &amp; FREIGHT. IF YOU SAY YES/ACCEPTED/NOTED/AS PER TENDER SPECIFICATIONS HERE, IT MEANS YOUR PRICES ARE FOR SRIHARIKOTA BASIS INCLUDING P&amp;F AND FREIGHT CHARGES. EVEN IF YOU QUOTE P&amp;F/FREIGHT CHARGES ARE EXTRA IN PRICE BID OR AT ANY OTHER PLACE, THIS ONLY HOLDS GOOD.</p>	Yes / No / Explain	
7	<p>Delivery Period : Delivery schedule shall be as per Tender Specification Sl.No.11 (page no.15 &amp; 16).</p>	Yes / No / Explain	

8	Payment Term :- 100% payment shall be made through PFMS within 30 days of receipt and acceptance of the item at our site.	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.  Note: Warranty and PBG is not applicable for spares (Indent SI.No.3 & 4). However, warranty and PBG is applicable to the equipment (indent SI.No.01 & 02)	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	Special conditions against Indian Agents submitting quotations in Foreign Currency. (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. (b) Copy of Agency agreement with the Foreign Principal, precise relationship between them and their mutual interest in the business. (c) The enlistment of the Indian Agent with Director-General of Supplies & Disposals under the Compulsory Registration Scheme of Ministry of Finance.	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 &amp; 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 &amp; Industries vide letter No. P-45021/2/2017-PP(BE-II) dated 04.06.2020 and subsequent amendment &amp; directives shall be followed. Accordingly, offer will be evaluated &amp; 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 &amp; 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: Part order will be issued as follows (GN2 RIG and GN2 rig spare flow components and spare kits for flow components) and (GHE rig and GHe rig spare flow components and spare kits for flow components).Rig and its spares together will be considered for splitting the 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
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1	PNEUMATIC EQUIPMENT Design, engineering, procurement of flow components, fabrication, testing, & supply of pneumatic servicing rig [Gaseous Helium (GHe)] as per the Dwg No: LSSF/CGS/P SRGHe-01/R0(attachment1) & as per the technical specifications	3.00 Nos.		-		
2	PNEUMATIC EQUIPMENT Design, engineering, procurement of flow components fabrication, testing, & supply of pneumatic servicing rig [Gaseous Nitrogen(GN2)] Dwg. No: LSSF/CGS/P SR-GN2-01/R0 (attachment 2)& as per the technical specifications	3.00 Nos.		-		
3	EQUIPMENT SPARES Spares for flow components and spare kits for the flow components for GHe pneumatic servicing rig as per Annexure-6	1.00 Lot		-		

4	EQUIPMENT SPARES Spares for flow components and spare kits for the flow components for GN2 pneumatic servicing rig as per Annexure-6	1.00 Lot		-		
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**Common charges (Applicable for all items)**

<b>FREIGHT PER COMMON</b>	
<b>P&amp;F PER COMMON</b>	