

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

**Tender for Supply, Installation and commissioning of 3 tonne weighing system (Electro Magnetic Force balanced/compensated technology) with indicator**

**Bids to be submitted online**

**Tender No.: SDSC SHAR/LSSF PURCHASE/SH202500019601 dated 24-03-2025**

## **A. Tender Details**

Tender No : **SDSC SHAR/LSSF PURCHASE/SH202500019601**

Tender Date : **24-03-2025**

Tender Classification: **GOODS**

Purchase Entity : **LSSF PURCHASE**

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

### **Supply, Installation and commissioning of 3 tonne weighing system (Electro Magnetic Force balanced/compensated tchnology) with indicator**

Supply, Installation and commissioning of 3 tonne weighing system (Electro Magnetic Force balanced/compensated tchnology) with indicator

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

Bid Submission Start Date : **24-03-2025 16:30**

Bid Clarification Due Date : **31-03-2025 15:20**

Bid Submission Due Date : **21-04-2025 16:00**

Bid Opening Date : **22-04-2025 16:30**

Price Bid Opening Date : **22-05-2025 16:30**

## B. Tender Attachments

NA

## C. Bid Templates

### C.1 Technical Bid - Supply, Installation and commissioning of 3 tonne weighing system (Electro Magnetic Force balanced/compensated technology) with indicator

#### 1. ELECTRONIC WEIGHING BALANCE

supply, installation and commissioning of 3 tonne electronic weighing system (electromagnetic force balanced/compensated principle) with indicator and standard connectivity to PC/PLC

#### Item specifications for ELECTRONIC WEIGHING BALANCE

supply, installation and commissioning of 3 tonne electronic weighing system (electromagnetic force balanced/compensated principle) with indicator and standard connectivity to PC/PLC

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Technology/Principle of operation	EMF compensation, EMF balanced	Yes / No / Explain		
2	Platform Size	1500 x 1500mm	Yes / No / Explain		
3	Platform Height	197...222 mm (including load plate)	Yes / No / Explain		
4	Material of Construction Base Frame	Stainless steel SS 304, Non-Corrosive (will be used for weighing water and other corrosive liquids)	Yes / No / Explain		
5	Material of Construction Load Plate	Stainless steel SS 304, Non-Corrosive (will be used for weighing water and other corrosive liquids)	Yes / No / Explain		
6	Material Test Certificates	To be provided for load plate and base frame and indicator	Yes / No / Explain		
7	IP Protection	IP68 certified protection	Yes / No / Explain		
8	Weighing Range	0 - 3000 kg	Yes / No / Explain		

9	Readability	50 gram	Yes / No / Explain		
10	Repeatability	50 gram	Yes / No / Explain		
11	Linearity	± 500 grams of full scale	Yes / No / Explain		
12	Operating Environment, Temperature range °C	- 10 to + 40° degree Celsius, RH: < 70 %, non-condensing	Yes / No / Explain		
13	Power supply	230 V, 50 Hz, Indian plug type / 24 V DC, Power rating to be specified. (DC power supply in the scope of Department)	Yes / No / Explain		
14	Pre-delivery Inspection	Compliance to performance specifications should be demonstrated at Suppliers premises before dispatch.	Yes / No / Explain		
15	Provision for Adjusting height/level	To be provided	Yes / No / Explain		
16	Sprit Level for height/level adjustment	To be provided	Yes / No / Explain		
17	Specifications for Indicator	Details from sl.no. 18 to 25	Yes / No / Explain		
18	Measurement/Display indicator that has standard connectivity to PC/PLC with associated software and accessories	To be provided (interface options: Analog Output, EtherNet/IP, Modbus TCP)	Yes / No / Explain		
19	Indicator readability	50 grams	Yes / No / Explain		
20	IP Protection for indicator	IP69K	Yes / No / Explain		
21	Indicator enclosure type	Panel mount stainless steel	Yes / No / Explain		
22	Keypad for indicator	HMI with numeric keypad, navigation keys, function keys, softkeys and application keys for clear, Tare	Yes / No / Explain		
23	Display	Backlit LCD graphic display	Yes / No / Explain		

24	Tare table for indicator	Provision for taring of weights should be available	Yes / No / Explain		
25	Internal memory alibility for indicator	Access previous transaction records, searchable by date or transaction number.	Yes / No / Explain		
26	Calibration	1. Provision for User Calibration of the system should be provided. 2. Provision to program the multi-step/Look-up table in the indicator to be provided.	Yes / No / Explain		
27	Documents to be provided 1	a) Operational and maintenance manuals should be provided.	Yes / No / Explain		
28	Documents to be provided 2	b) Manufactures catalogue and specification data sheet.	Yes / No / Explain		
29	Documents to be provided 3	c) Certificate of calibration for the weighing system to prove its performance specifications to be provided during dispatch. Calibration certificate for earlier supplied product with same specification to be provided when submitting quotation.	Yes / No / Explain		
30	Documents to be provided 4	d) Certificate for environment protection (IP68 for Platform scale and IP69K for indicator)	Yes / No / Explain		
31	Documents to be provided 5	e) Procedure for calibration (Hard Copy) to be documented with snapshots of the indicator at each step to be provided.	Yes / No / Explain		
32	Documents to be provided 6	f) Material test certificates	Yes / No / Explain		

33	Conditions of supply 1	Supply, Installation, commissioning and satisfactory demonstration of specifications by vendor at SDSC. Arrangement of Standard weights and their loading and unloading by department at SDSC.	Yes / No / Explain		
34	Conditions of supply 2	Pre-delivery Inspection at vendor site. All the technical requirements and support required to be provided by the party for testing during inspection.	Yes / No / Explain		

**Document : Technical and general specifications**

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

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Bidder shall submit relevant certificates, data, documentary proofs along with quotation. Bidder shall furnish all the details fully and explicitly.	for compliance by vendor	Yes / No / Explain		
2	Bids of the parties which are not meeting the following criteria will not be considered for evaluation and will be rejected without seeking any further clarifications.	for compliance by vendor	Yes / No / Explain		

3	Bidder shall be Original Equipment Manufacturer (OEM) or Authorised dealer of OEM with the experience of execution of similar projects and in operation for the last three years from the date of tender enquiry.	for compliance by vendor	Yes / No / Explain		
4	Authorised dealer should submit certificate of dealership issued by OEM.	for compliance by vendor	Yes / No / Explain		
5	Bidder shall have at least 5 years' experience in the field of supplying weighing systems	for compliance by vendor	Yes / No / Explain		
6	Bidder should submit copy of purchase order(s) that are executed not earlier than 5 years from date of tender, regarding supply of at least 2 numbers of weighing systems (Electromagnetic force balanced/compensated) with capacity not less than 1.0 tonne.	for compliance by vendor	Yes / No / Explain		

7	The bidder should have an establishment in India in providing services and maintenance support along with all type of spares for the offered weighing system.	for compliance by vendor	Yes / No / Explain		
8	Documentary proof of the establishment, service setup and other resources required for prompt service to be furnished by the bidder along with the offer.	Mention contact address and contact no.	Yes / No / Explain		
9	Bidder should guarantee that the model being supplied will not be obsolete within 10 years after supply and spares will be available for the system during the same period	for compliance by vendor	Yes / No / Explain		
10	The product(s) delivered should be latest and manufacturing date should not be earlier than 2024	for compliance by vendor	Yes / No / Explain		
11	Bidder should submit a test plan for carrying out tests at 1. At supplier's site 2. During installation and commissioning at SDSC	Test plan to be provided	Yes / No / Explain		



12	The department reserves the right to evaluate the tenderer in case of need or as per department's requirement. The tenderer shall co-operate for the vendor evaluation.	for compliance by vendor	Yes / No / Explain		
13	IT/ TDS certificate and Balance Sheet shall be submitted for last 3 year. Documentary evidence for the same shall be provided along with the techno-commercial bid.	for compliance by vendor	Yes / No / Explain		
14	Important notes ISRO-SHAR reserves right to verify the information/data furnished by Bidder. If the same is found as fault or with any deviation the bid will be rejected.	for compliance by vendor	Yes / No / Explain		
15	Only those Bidders who are found suitable & meeting all above qualification Criteria/requirements will be finally qualified for opening the Price Bids for evaluation	for compliance by vendor	Yes / No / Explain		

16	Please note that the "BID" without above mentioned documents/information in support of the eligibility criteria will be summarily rejected.	for compliance by vendor	Yes / No / Explain		
17	Delivery: Delivery is the essence of the PO. Delivery period of the items mentioned in the PO, installation and commissioning shall be within 12 weeks from the date of receipt of purchase order by the party.	for compliance by vendor	Yes / No / Explain		
18	Our payment terms will be 100% within 30 days after receipt, installation, commissioning and acceptance of items at purchaser's (SDSC-SHAR, Sriharikota) site.	for compliance by vendor	Yes / No / Explain		

19	Bidder need to submit Unpriced price bid copy indicating the description of all the cost elements considered, without indicating the price. Tenderer shall note that indication of price in the techno-commercial bid shall lead to disqualification of bid.	for compliance by vendor	Yes / No / Explain		
20	In view of Two-Part Tender, the Offers submitted contrary to above instructions will be summarily rejected	for compliance by vendor	Yes / No / Explain		
21	The tenderer has to confirm the technical specifications point-wise. Deviations if any, from the technical specifications shall be brought out clearly in the offer by highlighting the same.	for compliance by vendor	Yes / No / Explain		

22	The Electronic Platform weighing system shall carry a warranty for the trouble-free operation for a period of 1 year from the date of installation and commissioning at our site.	for compliance by vendor	Yes / No / Explain		
23	1.Bid Selection Procedure and Process of Pre-Qualification Step -1: Technical Bids will be opened and scrutinized for meeting all technical specification and supply conditions	For Info to Vendor	Yes / No / Explain		
24	Step -2: Short listing based on documents submitted, satisfying all the eligibility criteria given above by the Party or individual along with their Bid / application. (Non-submission of any document as given in above list within stipulated time leads to rejection of Bid)	For Info to Vendor	Yes / No / Explain		

25	Step-3: Subsequently Bidder's competency, their technical achievements and financial status will be evaluated suitable for this project. Feedbacks from Bidder's clients will be verified.	For Info to Vendor	Yes / No / Explain		
26	Step - 4: If required, visit will be made to their factory/ Party by technical team (ISRO or third party) for assessing the capability of manufacturer.	For Info to Vendor	Yes / No / Explain		
27	Step - 5: Visit to sites, wherever required by technical team (ISRO)	For Info to Vendor	Yes / No / Explain		

### Supporting Documents required from Vendor

1. a) Operational and maintenance manual should be provided.
2. b) Manufactures catalogue and specification data sheet.
3. c) Certificate of calibration for the weighing system to prove its performance specifications.
4. d) Certificate for environment protection (IP68 for Platform scale and IP69K for indicator)
5. e) Procedure for calibration (Hard Copy) to be documented with snapshots of the indicator at each step to be provided.

5 additional documents can be uploaded by the vendor

## C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	Installation and demo by vendor at Flow Lab, LSSF, SDSC-SHAR	Yes / No / Explain	
2	Pre-delivery inspection at vendor site. Compliance to Specifications to be demonstrated by vendor.	Yes / No / Explain	
3	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	
4	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 RAMARKS 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.	Yes / No / Explain	

5	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	
6	Please mention your GST registration details & enclose a copy of GST Registration. GST No. for SHAR- GSTIN: 37AAAGS1366J1Z1	Yes / No / Explain	
7	Delivery Schedule : within 12 weeks from the date of receipt of purchase order or as per Tender specifications:	Yes / No / Explain	
8	Payment Term :-100% within 30 days after receipt, installation, commissioning and acceptance of items at purchaser?s (SDSC-SHAR, Sriharikota) 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 scope of work	Yes / No / Explain	
10	Warranty:- Warranty for the offered item shall be from the date of installation and commissioning 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	Validity of Offer :-  The validity of the offers / tenders should be 90 days (in case of single part tender) and 120 days (in case two part tender) from the date of opening of the tenders. Tenders shorter than offer validity mentioned above will not be considered for evaluation.	Yes / No / Explain	
16	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	
17	Remarks if any	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>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. Clearly specify whether you are eligible for MSE Preference. If YES, supporting documents shall be uploaded.</p>	Yes / No / Explain	
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### C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
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1	ELECTRONIC WEIGHING BALANCE supply, installation and commissioning of 3 tonne electronic weighing system (electromagnetic force balanced/compensated principle) with indicator and standard connectivity to PC/PLC	1.00 Nos.		-		
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