भारत सरकार
अंतरिक्ष विभाग
सतीश धवन अंतरिक्ष केंद्र शार
श्रीहरिकोटा रेंज डा.घ. 524 124
श्री पोट्टि श्रीरामुलु नेल्लूर जिला, आं.प्र., भारत
दूरभाष : +91-8623 245060 (6 जं)
फैक्स : +91-8623 222099

सत्यमेव जयते

Goverment of India
Department of Space
Satish Dhawan Space Centre SHAR
Shriharikota Range P.O. 524 124
SPSR Nellore Dist., AP., India
Telephone : +91-8623 245060 (6 Lines)
Fax : +91-8623 222099

निविदा सूचना सं. NOTICE INVITING TENDER
No. SDSC SHAR/Sr.HPS/PT/SOSE/15/2026-2027

भारत के राष्ट्रपति की ओर से वरि. प्रधान, क्रय एवं भंडार, सतीश धवन अंतरिक्ष केंद्र श्रीहरिकोटा निम्नलिखित वस्तुओं के लिए **ऑनलाइन निविदाएं** आमंत्रित करते हैं /On behalf of the President of India, Sr. Head, Purchase & Stores, SDSC SHAR, Sriharikota invites **online quotations** for the following:

क्र.सं. Sl.No	संदर्भ सं.Ref. No.	विवरण Description	मात्रा Qty.
1	SDSC SHAR/SOSE Purchase/SOSE/SH20260012280101 dated 30.09.2026	Supply of SS fittings for CA Systems at SLC	23 Line items.

निविदा जमा करने की प्रारंभिक तिथि (ऑनलाइन)/Bid Submission Start Date (online) : 30-09-2026, 18:00 hrs.
निविदा स्पष्टीकरण की अंतिम तिथि (ऑनलाइन)/Bid clarification Due date(online) : 06-10-2026, 16:00 hrs.
निविदा जमा करने की अंतिम तिथि (ऑनलाइन)/Bid submission due date (online) : 20-10-2026, 14:00 hrs.
निविदाएं खोलने की तिथि (ऑनलाइन)/Bid opening date(online) : 20-10-2026, 14:05 hrs.
मूल्य निविदाएं खोलने की तिथि (ऑनलाइन)/Price Bid opening date(online) : 26-10-2026, 14:00 hrs.

निविदाकार के लिए निर्देश Instructions to Tenderers:

ईजीपीएस के माध्यम से भेजी गईनिविदाओं पर निविदा शुल्क तथाबयाना जमा राशि लागू नहीं होगी।
Tender fee and EMD not applicable for tenders submitted through EGPS

1) कार्य के सम्पूर्ण विवरण/जानकारी तथा नियम व शर्तों इत्यादि के लिए संलग्न अनुलग्नक को देखें। / For full details/scope of work and terms and conditions etc., please see the enclosed annexures.
2) इच्छुक निविदाकार इसरो के ई-क्रय वेबसाइट **https//:eproc.isro.gov.in** से ई-निविदा डाउनलोड कर सकते हैं तथा अपनी निविदा (बोली) को ई-क्रय पोर्टल पर ऑनलाइन जमा कर सकते हैं \Interested tenderers can download the e-tender from ISRO e-procurement website **https//:eproc.isro.gov.in** and submit the offer online in the e-procurement portal.
3) निविदा दस्तावेज इसरो की वेबसाइट **www.isro.gov.in**, इसरो ई-क्रय वेबसाइट https://eproc.isro.gov.in तथा सतीश धवन अंतरिक्ष केंद्र शार की वेबसाइट www.shar.gov.in पर भी उपलब्ध हैं। इन्हें डाउनलोड करके अपनी निविदा (बोली) को ई-क्रय पोर्टल पर ऑनलाइन जमा किया जाना चाहिए। /Tender documents are also available on ISRO website **www.isro.gov.in**, ISRO e-procurement website https://eproc.isro.gov.in and SDSC SHAR, Sriharikota website www.shar.gov.in. The same can be downloaded and offer shall be submitted online in the e-procurement portal.
4) आखिरी समय पर होने वाली भीड़-भाड कम करने के लिए निविदाकार अपनी निविदा (बोली) ऊपर विनिर्दिष्ट समय के अंदर ही जमा कर दें। नए विक्रेता के रूप में अनुमोदन के लिए आवेदन / अनुरोध पत्र ई-मेल द्वारा निविदा दस्तावेज में अंकित निविदा संख्या का उल्लेख करते हुए ऑनलाइन जमा करें। / Tenderers shall submit their offers within the given time as specified above and last moment rush for bid submission shall be avoided. Request for new vendor approval shall be submitted online and the same shall be intimated by mail (mentioned in the tender document) referring the tender number.
5) चूँकि यह दो भागों वाली निविदा है, अर्थात् तकनीकी एवं वाणिज्यिक भाग और मूल्य भाग, इसलिए निविदाकर्ता को तकनीकी एवं वाणिज्यिक बोली के साथ मूल्य निर्धारण संबंधी कोई भी दस्तावेज़ संलग्न नहीं करना चाहिए। सामान्यतः, यदि भाग-I (तकनीकी प्रस्ताव) हमारी तकनीकी विशिष्टताओं को पूरा नहीं करता है, तो हम भाग-II (मूल्य बोली) नहीं खोलते हैं। निविदा दस्तावेज़/अनुसूची में उल्लिखित मूल्य बोली खोलने की तिथि केवल अस्थायी है। हालाँकि, मूल्य बोली केवल भाग-I के तकनीकी बोली मूल्यांकन के संतोषजनक समापन और विक्रेताओं को पूर्व सूचना के बाद ही खोली जाएगी। / This being a two part tender i.e. Technical & Commercial Part and Price Part, the tenderer should not attach any documents containing Pricing information along with Technical & Commercial Bid. Normally we do not open PART-II (Price bid), if PART-I (Technical Offer) does not meet with our technical specification requirements. Price bid opening date mentioned in the tender document/ Schedule is tentative only. However, price bid opening will be made only after satisfactory completion of Part-I technical bid evaluation and with prior intimation to vendors.
6) वरि. प्रधान क्रय एवं भंडार, सतीश धवन अंतरिक्ष केंद्र श्रीहरिकोटा के पास किसी भी या सभी निविदाओं को स्वीकार / अस्वीकार करने का अधिकार है। / Sr. Head, Purchase and Stores, SDSC-SHAR, Sriharikota reserves the right to accept or reject any/or all the quotations.

वरि. प्रधान क्रय एवं भंडार
Sr. HEAD, PURCHASE AND STORES

Satish Dhawan Space Centre, Sriharikota
सतीश धवन अंतरिक्ष केन्द्र, श्रीहरिकोटा
दिनांक DT:30.09.2026

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

Tender for Supply of SS fittings for CA Systems at SLC

Bids to be submitted online

Tender No.: SDSC SHAR/SOSE Purchase/SH202600122801 dated 30-09-2026

A. Tender Details

Tender No :	**SDSC SHAR/SOSE Purchase/SH202600122801**
Tender Date :	**30-09-2026**
Tender Classification:	**GOODS**
Purchase Entity :	**SOSE Purchase**
Centre :	**SATISH DHAWAN SPACE CENTRE SHAR SRIHARIKOTA (SDSC SHAR)**

Supply of SS fittings for CA Systems at SLC

Supply of SS fittings for CA Systems at SLC

(GEM report id: GEM/GARPTS/27082026/HYUQSP6PGIVG)

[NOTE;
BEING A TWO PART TENDER, WE REQUEST BIDDERS NOT TO DISCLOSE/INDICATE ANY OF THE PRICE WHILE SEEKING/PROVIDING CLARIFICATION. IN CASE IF ANY BIDDERS DISCLOSE ANY OF THE PRICE, THEIR OFFER WILL BE REJECTED. ALSO, PLEASE NOTE THAT BIDS SHALL BE SUBMITTED IN TWO PARTS.
PART-1 :TECHNO-COMMERCIAL PART OF THE BID &
PART -2: PRICE PART OF THE BID.
BIDDERS SHALL NOT DISCLOSE ANY PRICE IN PART-1 AND IF ANY BIDDER DISCLOSES THE PRICE IN THEIR PART-I BID, THEIR OFFERS WILL BE REJECTED.]

A.1 Tender Schedule

Bid Submission Start Date :	**30-09-2026 18:30**
Bid Clarification Due Date :	**06-10-2026 16:00**
Bid Submission Due Date :	**20-10-2026 14:00**
Bid Opening Date :	**20-10-2026 14:05**

Price Bid Opening Date : **26-10-2026 14:00**

B. Tender Attachments

NA

Instructions To Vendors

1. INSTRUCTIONS TO TWO PART TENDER

1. 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.
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.
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: 1. PLEASE NOTE THAT THE OFFERS SUBMITTED CONTRADICTORY TO ABOVE INSTRUCTIONS WILL BE LIABLE FOR REJECTION. PLEASE ENSURE OFFERS ARE SUBMITTED WITHIN THE DUE DATE.
2. BIDDERS SHALL NOT DISCLOSE ANY PRICES IN PART-1 BID AND IF INDICATED, THE OFFERS WILL BE REJECTED.
3. BEING TWO PART TENDER, WE REQUEST YOU NOT TO DISCLOSE / INDICATE ANY OF THE PRICE VALUE WHILE SEEKING / PROVIDING CLARIFICATION. YOU SHOULD INDICATE ONLY IN PERCENTAGE. IN CASE IF YOU DISCLOSE ANY OF THE PRICE AMOUNT YOUR OFFER WILL BE REJECTED.

2. General Instructions to Vendor

1. Instructions to tenderers

TeleNo.08623-225174/226377

Fax No.08623-225170/22-5028

e-Mail ID : hps@shar.gov.in, smpcu1-purchase@shar.gov.in, spsoscfpurchase@shar.gov.in
1. Interested tenderers may, at their option, login to https://eproc.isro.gov.in and submit your offers.

2. TENDER FEE IS NOT APPLICABLE.

3. EARNEST MONEY DEPOSIT IS NOT APPLICABLE IF NOT MENTIONED IN THE RFP SPECIFICATION.
4. Indian agents while quoting on behalf of their principals are requested to attach Principals original quote, necessary authorization letter from their Principals, copy of agency agreement etc. in their bid.

5. TWO PART BIDS: In case of Two part tender, price details shall not be uploaded in the Technical & Commercial Bids (Part I), failing to which the bid will be treated as INVALID.
6. VALIDITY OF OFFER: - In case of single part tender - the validity of offers/tenders should be 90 days. In case of two part tender - 120 days from the date of opening of Part-I bid and 60 days from the date of opening of Part-II bid. Tenders shorter than offer validity mentioned above will not be considered for evaluation.
7. Due date & time: Sufficient time has been allotted for Bid submission. Vendors are requested to complete Bid submission well in advance. Last minute requests for due date extension citing server problems etc. will not be entertained. Bids will not be entertained after the due date and time.

7 (A). Request for the extension of the due date will not be considered.

8.
(a) Bid Opening for Public Tender: In case of Public Tender-Two Part Tenders: Technical and Commercial Bids will be opened on the first day specified for Tender opening. Interested vendors can attend the tender opening session to know the bidding details (Bidders presence is not mandatory to consider the quote for evaluation). Price Bid opening of the selected vendors will be scheduled later and it will be intimated to the selected Bidder (s).

(b) For Limited Tender: Bidders participation is not allowed.

9. Prices are required to be quoted according to the units indicated.

10. Preference will be given to those tenderers offering supplies from ready stocks and on the basis of FOR destination delivery at site.

11. (a) All available technical literature, catalogues and other data in support of the specifications and detail of the items should be furnished as attachments.

(b) Samples, if called for, should be submitted free of all charges by the tenderer and the Purchaser shall not be responsible for any loss or damage thereof due to any reason whatsoever. In the event of non-acceptance of tender, the tenderer will have to remove the samples at his own expense.

(c) Approximate net and gross weight of the items offered shall be indicated in your offer. If dimensions details are available the same should be indicated in your offer.

(d) Specifications: Stores offered should strictly conform to our specifications. Deviations, if any, should be clearly indicated by the tenderer in their quotation. The tenderer should also indicate the Make/Type number of the stores offered and provide catalogues, technical literature and samples wherever necessary. Test certificates wherever necessary should be attached. Whenever options are called for in our specifications, the tenderer should address all such options. Wherever specifically mentioned by us the tenderer could suggest changes to specifications with appropriate response for the same.

12. The purchaser shall be under no obligation to accept the lowest or any tender and reserves the right of acceptance of the whole or any part of the tender or portion of quantity offered and the tenderers shall supply the same at the rates quoted.

13. All amounts shall be indicated both in words as well as in figures. Where there is difference between amounts quoted in words and figures, amount quoted in words shall prevail.

14. The tenderer will be required to furnish a document containing the name of his bankers as well as the latest income-tax clearance certificate duly counter signed by the Income-tax Officer of the Circle concerned under the Seal of his office, if required by the Purchaser.

15. The Purchaser reserves the right to place order on the successful tenderers for additional quantity up to 25% of the quantity offered by them at the rates quoted.

16. Sr. Head, Purchase and Stores, SDSC SHAR SRIHARIKOTA reserves the right to accept or reject any bid in part or full without assigning any reason thereof.

17. Any bidder from a country which shares a land border with India will be eligible to bid in any procurement whether of goods, services (including consultancy services and non-consultancy services) or works (including turnkey projects) only if the bidder is registered with Competent Authority as specified in Office Memorandum no.F.No.6/18/2019-PPD, Ministry of Finance, Department of Expenditure, Public Procurement Division dated 23rd July 2020. All the conditions mentioned in the above OM is applicable for this tender.

18. Micro and Small Enterprises [MSEs]

a). In order to avail the benefits extended by Government of India to the Micro and Small Enterprises

[MSEs] in respect of Goods and Services as per provision of the policy, MSEs registered with District Industries Centre [DIC] or Khadi and Village Industries Commission [KVIC] or Khadi and Village Industries Board [KVIB] or Coir Board or National Small Industries Commission [NSIC] or Directorate of Handicrafts and Handlooms or Udyog Aadhar Memorandum, or any other Body specified by Ministry of MSME have to submit a copy of Valid Certificate with self-attestation along with the Technocommercial bid. No Certificate claiming exemption will be entertained after Tender due date.
b) .MSEs are entitled for [i] issue of Tender documents Free of Cost [ii] Exemption of Earnest Money Deposit [EMD]. However, Performance Security is mandatory for Goods and Services.
c). If the Tenderer[s] is/are SC/ST/Woman entrepreneur owned MSEs, specific mention for the same should be there in the valid certificate submitted by the tenderer.
d) .Tenderers claiming MSME benefit shall furnish copy of UAM No. as uploaded on CPP portal to avail benefit.

19. Public Procurement [Preference to Make in India]:

Public Procurement (Preference to Make in India) order 2017- revision issued by Government of India, Department of Promotion of Industry andInternal Trade [DPIIT] Public Procurement [preference to Make in India] vide Order No P-45021/2/2017-PP(BE II) dated 16/09/2020 or as amended thereafter. The Tenders submitted are subjected these orders.

Bidders are required to submit necessary certificates & documents as detailed in the above referred GOI Order in support of their claim to avail benefit against this order. The bidders who claim Purchase Preference under Make in India Policy shall fulfill all requirements of tender document applicable for Indigenous Manufacturer. FAILURE TO SUBMIT THE REQUIRED DOCUMENTS MAY RENDER A TENDER UNACCEPTABLE.

Local Content means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value, in percent.

Local Supplier: Class-I Local Supplier means a supplier whose product offered for procurement has local content equal to or more than 50%. Class-II Local Supplier means a supplier whose product offered for procurement has local content more than 20% but less than 50%. Non-Local Supplier means a supplier whose product

Margin of Purchase Preference: For being eligible for purchase preference under this clause, the Margin of purchase preference shall be 20% (i.e. L1 plus 20% band). Preference: Purchase Preference shall be given to Class-I Local Supplier only in the manner specified here under:
(a) In the procurement of Goods which are divisible in nature:

i. If L1 is from a Class-I local supplier, the contract for full quantity will be awarded to L1.

ii. If L1 is not a Class-I local supplier, 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the Class-I local supplier will be invited to match the L1 price for the remaining 50% quantity subject to the Class-I local supplier(s)quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such Class-I local supplier subject to matching the L1 price. In case such lowest eligible Class-I local supplier fails to match the L1 price or accepts less than the offered quantity, the next higher Class-I local supplier within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on Class-I local supplier, then such balance quantity may also be ordered on the L1 bidder

(b)In the procurement of Goods which are not divisible in nature:

i. If L1 is Class-I local supplier, the contract for full quantity will be awarded to L1
ii. If L1 is not Class-I local supplier, the lowest bidder among the Class-I local supplier will be invited to match the L1 price subject to the Class-I local supplier(s) quoted price falling within the margin of purchase preference, and the contract shall be awarded to such local supplier subject to matching the L1 price.

iii. In case such lowest eligible Class-I local supplier fails to match the L1, the Class-I local supplier with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the local suppliers within the margin of purchase preference matches the L1 price, then the contract may be awarded to the L1bidder

(c) Class-II local supplier will not get purchase preference

Verification of local content:

i. The Class-I local supplier / Class-II local supplier at the time of biding shall be required to indicate percentage of Local Content and provide self-certification that the items offered meet the local content required for Class-I local supplier/ Class-II local supplier and shall give the details of the location(s) at which the local value addition is made .

ii. False declarations will attract banning of business of the bidder or its successor(s) for a minimum period of three years along with any other penal action as may be deemed fit including rejection of the offer, forfeiture of all dues including EMD/ Security Deposit / banning of the firm.

iii. A supplier who has been debarred by any procuring entity for violation of this order shall not be eligible for preference for procurement for the duration of debarment. It will be the bidders responsibility to provide self-certification, clearly stating that the bidder is not serving debarment from any procuring entity for the tendered item at the time of tendering.

3. STANDARD TERMS & CONDITIONS

1. Tele No.08623-225174/226377
Fax No.08623-225170/22-5028

e-Mail ID : hps@shar.gov.in, spsoscfpurchase@shar.gov.in, smpcu1-purchase@shar.gov.in
1. Instruction to Indigenous Suppliers:
a) Payment Terms shall be as specified in RFP. If not specifically mentioned Our Normal payment term is 100% within 30 days after receipt and acceptance of the item at our site. Please confirm acceptance in your quotation.
b) GST/IGST: Please specify GST percentage, if any, in your offer. Please mention HSN/SAC code in your offer and Our GST No. is. 37HYDF00385A1DZ.
c) Purchase / Price preference to MSEs
Purchase/Price preference will be applicable to the product reservation admissible to the Micro and Small Enterprises. Purchase/Price Preference shall be extended to the MSEs under the Public Procurement Policy for MSEs formulated under the Micro, Small and Medium Enterprises Development Act, 2006. The participating MSEs in a tender, quoting price within the band of L-1 plus 15% may also be allowed to supply a portion of the requirement by bringing down their price to the L-1 price, in a situation where L-1 price is from someone other than an MSE. Such MSEs may be allowed to supply up to 25% of the total tendered value. In case of more than one such eligible MSE, the supply will be shared equally.
Micro & Small Enterprises which have technical capability to deliver the goods & Services as per prescribed technical & quality specifications and may not be able to meet the qualification criterion relating to prior experience-prior turnover may be relaxed as per guidelines issued by Ministry of MSMEs & as amended from time to time.
Interested vendors shall specifically claim the benefit with supporting documents.
d) Purchase / Price preference to Make-in-India Products:
Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document 50%. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is make along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs. 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in-India) order 2017 dated 04.06.2020. In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

2. Instruction to Foreign Suppliers:

a) Payment Terms shall be as specified in RFP. If not specifically mentioned Our normal payment term is SIGHT DRAFT, Please confirm acceptance in your offer, if you insist for L/C, and all bank charges shall be to your account. Confirm acceptance.

b) Please specify whether any export clearance is required in case of an order on you.

c)Warranty/Guarantee applicable for the item shall be mentioned in your offer

d)Special Certification for packing Material : as per Plant Quarantine (Regulation of Control into India) Order 2003, Articles packed with packing material of plant origin viz., hay, straw, wood shavings, wood chips, saw dust, wood waste, wooden pallets, Dunn age Mats, wooden packages, coir pith, pear or sphagnum moss etc., will be allowed entry by Customs only with a Phytosanitary Certificate. In case if a Purchase Order, if you propose to us any of the above material for packing such a certificate issued by your local Plant Quarantine Authority shall be furnished.

e) Confirm whether any Export License is required and for which End User Certificate is to be provided by us, in case of an Order on you. (Enclose format for EUC, if applicable)

f) Either Indian Agent on behalf of the foreign principals or the foreign principal directly can quote against this order, but not both. In either case an Indian agent cannot represent more than one principal against the same tender.

g) In case the quote is in INR we prefer to execute the same on HSS Basis and for which Concessional Customs duty as per Notification no.50/2017 Customs dated 30.06.2017,Serial No.539(A) as amended by Notification no.05/2018 dated 25.01.2018. In case the quote is on Indian Rupee (Outside High Sea Sale), the price shall include taxes and duties if any. We shall not able to provide any duty or IGST tax exemption/concession certificates. If the item quote is of USA make, please quote for all-inclusive price since we prefer to get the item on FOR destination basis.

h) Any bidder from a country which shares a land border with India will be eligible to bid in any procurement whether of goods, services (including consultancy services and non-consultancy services) or works (including turnkey projects) only if the bidder is registered with Competent Authority as specified in Office Memorandum no.F.No.6/18/2019-PPD, Ministry of Finance, Department of Expenditure, Public Procurement Division dated 23rd July 2020. All the conditions mentioned in the above OM is applicable for this tender.

Common terms to Indigenous and foreign suppliers:

3.Warranty

You shall provide applicable warranty for the items offered by you without fail. For the applicable period you shall provide necessary warranty certificate.

4.Performance Bank Guarantee

Towards the performance of the systems during the warranty period you shall submit a performance

bank guarantee equivalent to 3% of the order value to cover the warranty period. This PBG shall be interest free and the same shall be returned to you on successful completion of all contractual obligations. The said PBG shall have a further claim period of 2 months.

5.Security Deposit

On acceptance of the order, you shall submit an interest free amount equivalent to 3% of the total contract/order value towards security deposit. This security deposit is collected towards the performance of the Contract. The said Security Deposit shall be submitted either in the form of Bank Guarantee/Demand Draft/FDR receipts duly endorsed in the name of the centre. The Security Deposit will be returned to you on successful completion of the Contractual obligations; failing which it shall be forfeited/adjusted.

6.Offer Validity : - In case of single part tender - the validity of offers/tenders should be 90 days. In case of two part tender - 120 days from the date of opening of Part-I bid and 60 days from the date of opening of Part-II bid. Tenders shorter than offer validity mentioned above will not be considered for evaluation.

7.Liquidated Damages:

If you fail to deliver the ordered items satisfactorily within the time specified or any extension thereof, Liquidated Damage @ 0.5%(zero point five percent) of the order value or part thereof the un-delivered items for each calendar weeks of delay shall be recovered from your bill. However total Liquidated Damage shall not exceed 10% (ten percent) of the order value.

FORCE MAJEURE:

Should a part or whole work covered under this contract be delayed in delivery/completion of work due to reasons of Force majeure which shall include legal lockouts, strikes, riots, civil commotion, fire, accidents, quarantines, epidemic, acts of God & War, stoppage of deliveries by the Government , freight embargoes etc; the delivery period/completion of work referred to in this Contract shall be extended by a period not in excess of duration of such Force Majeure. The occurrence shall be notified by either party within reasonable time.

8.Offers received through post, courier, fax or email will not be considered.

9. Technical and commercial bid (Part-I) shall not contain any price details. Optional accessories or other price details, if any shall be uploaded in Supporting documents related to Price Bid, to be opened along with Price Bid.

10. In respect of FIM being issued, the fabricator shall submit Bank Guarantee for equivalent sum compulsorily. In case, submission of Bank Guarantee is not possible, the reasons there for shall be clearly mentioned. However, for such cases the fabricators at their cost shall secure such FIM through Insurance Policy with Director, SDSC SHAR as beneficiary. In case of PSU and Government Organization, Indemnity Bond in lieu of Bank Guarantee is acceptable. Balance FIM/Scrap, if any shall be returned along with the supply of the items. Please confirm acceptance in your quotation.

11. SDSC SHAR shall have the right to place part order among the parties for the items for which they are the lowest.

12. Arbitration:

In the event of any dispute/s, difference/s or claim/s arising out of or relating to the interpretation and

application of the Contract, such dispute/s or difference/s or claim/s shall be settled amicably by mutual consultations of the good Offices of the respective Parties and recognizing their mutual interests attempt to reach a solution satisfactory to both the parties. If such a resolution is not possible, within 30 days from the date of receipt of written notice of the existence of such dispute/s, then the unresolved dispute/s or difference/s or claim/s shall be referred to the Sole Arbitrator appointed by the Parties by mutual consent in accordance with the rules and procedures of Arbitration and Conciliation Act 1996 as amended from time to time. The arbitration shall be conducted in Bengaluru in the Arbitration and Conciliation Centre Bengaluru (Domestic and International) as per its rules and regulations. The expenses for the Arbitration shall be shared equally or as may be determined by the Arbitrator. The considered and written decision of the Arbitrator shall be final and binding between the Parties. The applicable language for Arbitration shall be English only.

Work under the Contract shall be continued by the CONTRACTOR during the pendency of arbitration proceedings, without prejudice to a final adjustment in accordance with the decision of the Arbitrator unless otherwise directed in writing by the DEPARTMENT or unless the matter is such that the works cannot be possibly continued until the decision (whether final or interim) of the Arbitrator is obtained.

4. Format for MII declaration

1. (to be printed in letter head) -

Self-Certification under preference to Make in India order Certificate

2. In line with Government Public Procurement Order No. P-45021/2/2017-PP(BE-II)-Part(4)Vol.II dated 19.07.2024 its latest directives/amendments there of, we hereby certify that we M/s. _____are local suppliers and the offered item having local content of _____% [Local content means the amount of value added in India which shall, unless otherwise prescribed by the respective Nodal Ministry, be the total value of the item procured (excluding Net Domestic Indirect Taxes, Transportation, Insurance, Installation, Commissioning, Training and after sales service support like AMC/CMC etc.) minus the value of imported content in the item (including all customs duties) as a proportion of the total value, in percent] as defined in above orders for the material against Tender/Bid No _____ dated _____

3. Details of location at which local value addition will be made as follows:
_____

4. We also understand, false declaration will be breach of the code of integrity under the rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

5. Thanking You

_____
Signature with date
Name
Designation
Official Seal

5. Format for Land Border Sharing Declaration under Rule 144 (X) of GFR 2024

1. (to be printed in letter head)
DECLARATION BY AUTHORISED SIGNATORY OF THE FIRM

2. I, the undersigned, _____ (full names), do hereby declare, in my capacity as _____ of M/s _____ (name of bidder entity), that:

3. 1) I have read the Order (Public Procurement No.1, 2 & 3) dtd 23 Jul 2020 & 24 Jul 2020 office memorandum (OM) No. F.18/37/2020-PPD Dt:08.02.2021, OM NO. F.12/1/2021-PPD (Pt) dated 02.03.2021 and OM No. F.7/10/2021-PPD dated 08.06.2021 and OM No.F.7/10/2021-PPD dated 23.02.2023 on the subject of Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs), 2017 regarding restrictions on procurement from a bidder of a country which shares a land border with India and comply to all the provisions of the Order.

4. I certify that M/s. _____ (name of bidder entity)

5. (A) IS NOT FROM SUCH A COUNTRY

6. (B) IS FROM SUCH A COUNTRY AND HAS BEEN REGISTERED WITH THE COMPETENT AUTHORITY i.e., Department for Promotion of Industry and Internal Trade (DPIIT) (attach evidence of valid registration obtained from DPIIT)

7. (Select any one of the above (A) or (B) and strike off the other)
I hereby certify that this SUPPLIER fulfils all requirements in this regard and is eligible to be considered.

8. 3) I understand that the submission of incorrect data and / or if certificate / declaration given by M/s _____ (name of bidder entity) is found to be false, this would be a ground for debarment and further legal action in accordance with law as per Clause 18 of Procurement Policy Division OM No.F.7/10/2021-PPD dated 23.02.2023

9. AUTHORIZED SIGNATURE: DATE:

_____

(Seal / Stamp of Bidder)

C. Bid Templates

C.1 Technical Bid - Supply of SS fittings for CA Systems at SLC

1. ASTM fittings: Supply of SLIP ON Raised Face Flangees of Size:15NB 150# MOC:304L as per specifications mentioned in the Annexure-I

Document : Annexure-1

2. ASTM fittings:Supply of SLIP ON Raised Face Flangees of Size:25NB 150# MOC:304L as per specifications mentioned in the Annexure-I

3. ASTM fittings:Supply of SLIP ON Raised Face Flangees of Size:40NB 150# MOC:304L as per specifications mentioned in the Annexure-I

4. ASTM fittings:Supply of SLIP ON Raised Face Flangees of Size:25NB 300# MOC:304L as per specifications mentioned in the Annexure-I

5. ASTM fittings:Supply of BLRF flanges of size:25 NB ,150# MOC:304L as per specifications mentioned in the Annexure-I

6. ASTM fittings:Supply of SS fasteners for SORF & BLRF flanges of size:15NB as per specifications mentioned in the Annexure-II

Document : Annexure-II

7. ASTM fittings:Supply of SS fasteners for SORF & BLRF flanges of size:25NB as per specifications mentioned in the Annexure-II

8. ASTM fittings:Supply of SS fasteners for SORF & BLRF flanges of size:40NB as per specifications mentioned in the Annexure-II

9. ASTM fittings:Supply of ONE END NPT THREADED (OET) Coupler of size:15NB, 80 sch MOC:304L as per specifications mentioned in Annexure-III

Document : Annexurre-III

10. ASTM fittings:Supply of ONE END NPT THREADED (OET) NIPPLE of size:15NB, 80 sch MOC:304L as per specifications mentioned in Annexure-III

11. ASTM fittings:Supply of BOTH END NPT THREADED (OET) NIPPLE of size:15NB, 80 sch MOC:304L as per specifications mentioned in Annexure-III

12. ASTM fittings:Supply of Unequal Tee Butt weld of Size: 25x25x15NB SCH40 MOC:304L as per specifications mentioned in Annexure-IV

Document : Annexure-IV

13. ASTM fittings::Supply of Unequal Tee Butt weld of Size: 40x40x25 NB SCH40 MOC:304L as per specifications mentioned in Annexure-IV

14. ASTM fittings::Supply of equal Tee Butt weld of Size: 25x25x25NB SCH40 MOC:304L as per specifications mentioned in Annexure-IV

15. ASTM fittings:Supply of equal Tee Butt weld of Size: 15x15x15NB SCH40 MOC:304L as per specifications mentioned in Annexure-IV

16. ASTM fittings:Supply of Elbow 90 degrees Butt weld of Size: 15NB SCH40 MOC:304L as per specifications mentioned in Annexure-IV

17. ASTM fittings:Supply of Elbow 90 degrees Butt weld of Size: 25NB SCH40 MOC:304L as per specifications mentioned in Annexure-IV

18. ASTM fittings:Supply of Elbow 90 degrees Butt weld of Size: 40NB SCH40 MOC:304L as per specifications mentioned in Annexure-IV

19. ASTM fittings:Supply of concentric reducer butt weld of size:40x25 NB as per specifications mentioned in the Annexure-IV.

20. ASTM fittings:Supply of concentric reducer butt weld of size:25X15 NB as per specifications mentioned in the Annexure-IV.

21. ASTM fittings:Supply of SS U clamps of Size:15NB as per specifications mentioned in the Annexure-V.

Document : Annexure-V

22. ASTM fittings:Supply of SS U clamps of Size:25NB as per specifications mentioned in the Annexure-V.

23. ASTM fittings:Supply of SS U clamps of Size:40NB as per specifications mentioned in the Annexure-V.

Common Specifications (Applicable for all items)

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	AS PER ENCLOSURES		-		

Supporting Documents required from Vendor

1. As per enclosed in Annexures

2. Furnish Latest UDYAM Registration Certificate

3. Land Border Declaration as per GFR Rule No.144(xi)

4. MII Local Content Declaration

5. Compliance to Tender Specifications/Annexure (Note: Do Not Mention any price)

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	As per specification Annexures enclosed	Yes / No / Explain	
2	GST AND OTHER COSTS, IF ANY: As per the Notification No. No. 9/2025 - Integrated tax dated 17.09.2025, S. No. 462 and as per Notification No. 9/2025 - Central tax dated 17.09.2025, S. No. 462 issued by Ministry of Finance (Dept. of Revenue) & Government of Andhra Pradesh, Revenue (Commercial Taxes) Department, G.O.MS.No. 345, Dated: 20.09.2025, S.No.462, SDSC SHAR is eligible to avail GST/IGST @5% for the procurements related to Scientific and technical instruments, apparatus, equipment, accessories, parts, components, spares, tools, mock ups and modules, raw material and consumables required for launch vehicles and satellites and payloads. We will issue End Use Certificate for availing GST/IGST @5%. Hence, kindly confirm your acceptance and submit your price quotation accordingly.	Yes / No / Explain	
3	Please confirm here whether your quoted "UNIT PRICE" in our Price Bid is EXCLUDING GST or INCLUDING GST. ---------- NOTE: If you are not clearly stating "GST is Inclusive OR Extra in basic cost" it will be treated as "GST is included in the quoted Basic/Unit cost in the price bid". Your offer will be evaluated as INCLUSIVE OF GST.	Yes / No / Explain	
4	DELIVERY TERM: FOR-SLC Project, Kulasekarapattinam, Tamil Nadu	Yes / No / Explain	
5	PAYMENT TERM: 100% payment will be made through PFMS within 30 days of receipt and acceptance of the ordered items by our Centre Level Inspection Panel (CLIP) at our site in good condition.	Yes / No / Explain	
6	LIQUIDATED DAMAGES: In case of delay in completion of total scope of work beyond the stipulated delivery period, LD will be levied @0.5% of the PO value per week or part of on undelivered portion as pre-estimated damages subject to a maximum of 10% of the Order value.	Yes / No / Explain	

7	GUARANTEE: The offered items shall have guaranteed for a period of Twelve Months from the date of receipt and acceptance against any manufacturing defects/ bad workmanship. If any defects are noticed during the above period, the same should be rectified/ replaced at FREE OF COST.	Yes / No / Explain	
8	SECURITY DEPOSIT (SD):Security Deposit shall be submitted for 3% of the order value (or as notified by Govt. Of India/ISRO from time to time) in single instalment through Insurance Surety Bonds/ Account Payee Demand Draft/ Bankers Cheque/ Fixed Deposit Receipts or Bank Guarantee (including e-Bank Guarantee) from a Commercial bank executed on Rs.200/- non-judicial stamp paper or payment online in an acceptable form within 14 days after receipt of Purchase Order valid till completion of the Delivery period plus 60 days claim period. This security deposit shall not carry any interest and shall be returned to you only after successful completion of total scope of work. In case of poor performance/ non performance of the contractual obligation security deposit shall be forfeited. In case of non submission of Security deposit within the stipulated period, this order shall be liable to be cancelled.	Yes / No / Explain	
9	PERFORMANCE BANK GUARANTEE(PBG): A Bank Guarantee for 3% of the order value (or as notified by Govt. Of India/ISRO from time to time) shall be provided towards the performance of the system. PBG may be furnished in the form of Insurance Surety Bonds/ Account Payee Demand Draft/ Bankers Cheque/ Fixed Deposit Receipts or Bank Guarantee from a Commercial bank executed on Rs.200/- non-judicial stamp paper valid till the successful completion of Guarantee period plus 60 days. This will not carry any interest and shall be returned to you after successful completion of Guarantee period against your request. In case of non-performance/poor performance the Bank Guarantee shall be forfeited.	Yes / No / Explain	

10	COMBINED BANK GUARANTEE/PERFORMANCE SECURITY: In case, if You are unable to provide two separate BGs, i.e., one for SD and one for PBG, You can submit a combined BG for SD & PBG for 3% of the Order value valid till the completion of total contractual obligation (i.e. Delivery period plus Guarantee period plus 60 days). Please confirm.	Yes / No / Explain	
11	Items supplied shall be of the Make specified. Offers other than these makes will not be considered. Please mention the offered make.	Yes / No / Explain	
12	In case of Specific Brand items, please provide Authorization certificate from OEM.	Yes / No / Explain	
13	Compliance to the Technical specifications shall be mentioned.	Yes / No / Explain	
14	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 100% (selected by Buyer) percentage of total QUANTITY. Please specify whether you belong to MSE or not. If YES, supporting documents shall be uploaded.	Yes / No / Explain	

15	Make-In-India (MII) Clause: For this procurement, provisions contained in Public Procurement (Preference to Make in India), Order 2017 issued by Department for Promotion of Industry and Internal Trade (DPIIT), Ministry of Commerce & Industries vide letter No. P-45021/2/2017-PP(BE-II) dated 16.09.2020 & directives related shall be followed. Accordingly, you are requested to indicate the percentage of local content in the material, clearly mentioning the details of location(s) at which value addition is made in line with clause 9 to O.M dated 16.09.2020 referred above. 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.	Yes / No / Explain	
16	The bidder shall provide compliance to Order No. F.No.6/18/2019 PPD dated 23.07.2020 and amendments thereof by Ministry of Finance, Department of Expenditure, Public Procurement Division regarding restrictions on procurement from a bidder of a country which shares a land border with India and comply to all the provisions of the Order. In this regard, you shall certify that the bidder entity is not from such a country or, is from such a country, has been registered with the Competent Authority.	Yes / No / Explain	
17	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 is 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. Tenderer shall ensure the same.	Yes / No / Explain	

18	FORCE MAJEURE: If at any time during the continuance of the order the performance in whole or part by either party of any obligation under this order shall be prevented or delayed by reasons of any war, hostility, acts of public enemy, civil commotion, sabotage, fire, floods, lightening, epidemic, quarantine restrictions, strikes, go-slow, lockout or acts of God, notice of which is given either party to the other within 21 days from the date of occurrence thereof, neither party shall be reasons of such eventually be entitled to terminate this order nor shall either party have any claim for damages against the other in respect of such non-performance or delay in performance.	Yes / No / Explain	
19	ARBITRATION:- The Contract shall be interpreted, construed and governed by the Laws in India. In the event of any dispute/s, difference/s or claim/s arising out of or relating to the interpretation and application of the Work Package Order(s), such dispute/s or difference/s or claim/s shall be settled amicably by mutual consultations of the good Office of the respective Parties and recognizing their mutual interests attempt to reach a solution satisfactory to both the parties. If such a resolution is not possible, within 30 days from the date of receipt of written notice of the existence of such dispute/s, then the unresolved dispute/s or difference/s or claim/s shall be referred to the Sole Arbitrator appointed by the Parties by mutual consent in accordance with the rules and procedures of Arbitration and Conciliation Act 1996 as amended from time to time. The arbitration shall be conducted in Bengaluru in the Arbitration and Conciliation Centre - Bengaluru (Domestic and International) as per its rules and regulations. The expenses for the Arbitration shall be shared equally or as may be determined by the Arbitrator. The considered and written decision of the Arbitrator shall be final and binding between the Parties. The applicable language for Arbitration shall be English only.	Yes / No / Explain	

20	VALIDITY OF OFFER: The validity of the offers/tenders should be 120 days from the date of opening of the Bids.Tender shorter than offer validity mentioned above will not be considered for evaluation.	Yes / No / Explain	
21	Please send your queries through clarification provision only. However, bidder may also send a copy to smpcu1-purchase@shar.gov.in duly quoting tender number. Contact No.08623-22-6377.	Yes / No / Explain	
22	Please furnish details of person to contact, i.e., Name of the person, valid E-Mail ID, Mobile No/Land Line No, etc., for further communication.	Yes / No / Explain	
23	BEING A TWO PART TENDER, WE REQUEST BIDDERS NOT TO DISCLOSE/INDICATE ANY OF THE PRICE WHILE SEEKING/PROVIDING CLARIFICATION. IN CASE IF ANY BIDDERS DISCLOSE ANY OF THE PRICE, THEIR OFFER WILL BE REJECTED. ALSO, PLEASE NOTE THAT BIDS SHALL BE SUBMITTED IN TWO PARTS. PART-1: TECHNO-COMMERCIAL, PART OF THE BID & PART -2: PRICE PART OF THE BID. BIDDERS SHALL NOT DISCLOSE ANY PRICE IN PART-1 AND IF ANY BIDDER DISCLOSES THE PRICE IN THEIR PART-I BID, THEIR OFFERS WILL BE REJECTED.	Yes / No / Explain	
24	Remarks, if any	Yes / No / Explain	
25	DELIVERY SCHEDULE: Items shall be delivered within four (04) months from the date of release of Purchase Order. Please confirm your acceptance.	Yes / No / Explain	
26	Pre-delivery Inspection: Pre-delivery inspection of the material shall be carried out by our Centre Level Inspection Panel (CLIP) team at your site before dispatch. Please inform readiness of the material in advance of 20 days for arranging pre-delivery inspection.	Yes / No / Explain	

27	EVALUATION CRITERIA : Evaluation will be made on Group Wise L1 offer, details as follows: Group -1: Items specified in Annexure-I ; Group-2: Items specified in Annexure-II; Group-3: Items specified in Annexure- III; Group-4: Items specified in Annexure- IV & Group-5: Items specified in Annexure- V. Please confirm acceptance for Group Wise L1 order and also note that items in each group is not splittable.	Yes / No / Explain	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
1	ASTM fittings: Supply of SLIP ON Raised Face Flangees of Size:15NB 150# MOC:304L as per specifications mentioned in the Annexure-I	350.00 Nos.		-		
2	ASTM fittings:Supply of SLIP ON Raised Face Flangees of Size:25NB 150# MOC:304L as per specifications mentioned in the Annexure-I	120.00 Nos.		-		

3	ASTM fittings:Supply of SLIP ON Raised Face Flangees of Size:40NB 150# MOC:304L as per specifications mentioned in the Annexure-I	10.00 Nos.		-		
4	ASTM fittings:Supply of SLIP ON Raised Face Flangees of Size:25NB 300# MOC:304L as per specifications mentioned in the Annexure-I	50.00 Nos.		-		
5	ASTM fittings:Supply of BLRF flanges of size:25 NB ,150# MOC:304L as per specifications mentioned in the Annexure-I	35.00 Nos.		-		
6	ASTM fittings:Supply of SS fasteners for SORF & BLRF flanges of size:15NB as per specifications mentioned in the Annexure-II	2300.00 Nos.		-		

7	ASTM fittings:Supply of SS fasteners for SORF & BLRF flanges of size:25NB as per specifications mentioned in the Annexure-II	900.00 Nos.		-		
8	ASTM fittings:Supply of SS fasteners for SORF & BLRF flanges of size:40NB as per specifications mentioned in the Annexure-II	130.00 Nos.		-		
9	ASTM fittings:Supply of ONE END NPT THREADED (OET) Coupler of size:15NB, 80 sch MOC:304L as per specifications mentioned in Annexure-III	300.00 Nos.		-		
10	ASTM fittings:Supply of ONE END NPT THREADED (OET) NIPPLE of size:15NB, 80 sch MOC:304L as per specifications mentioned in Annexure-III	150.00 Nos.		-		

11	ASTM fittings:Supply of BOTH END NPT THREADED (OET) NIPPLE of size:15NB, 80 sch MOC:304L as per specifications mentioned in Annexure-III	340.00 Nos.		-		
12	ASTM fittings:Supply of Unequal Tee Butt weld of Size: 25x25x15NB SCH40 MOC:304L as per specifications mentioned in Annexure-IV	125.00 Nos.		-		
13	ASTM fittings::Supply of Unequal Tee Butt weld of Size: 40x40x25 NB SCH40 MOC:304L as per specifications mentioned in Annexure-IV	5.00 Nos.		-		
14	ASTM fittings::Supply of equal Tee Butt weld of Size: 25x25x25NB SCH40 MOC:304L as per specifications mentioned in Annexure-IV	50.00 Nos.		-		

15	ASTM fittings:Supply of equal Tee Butt weld of Size: 15x15x15NB SCH40 MOC:304L as per specifications mentioned in Annexure-IV	100.00 Nos.		-		
16	ASTM fittings:Supply of Elbow 90 degrees Butt weld of Size: 15NB SCH40 MOC:304L as per specifications mentioned in Annexure-IV	160.00 Nos.		-		
17	ASTM fittings:Supply of Elbow 90 degrees Butt weld of Size: 25NB SCH40 MOC:304L as per specifications mentioned in Annexure-IV	140.00 Nos.		-		
18	ASTM fittings:Supply of Elbow 90 degrees Butt weld of Size: 40NB SCH40 MOC:304L as per specifications mentioned in Annexure-IV	10.00 Nos.		-		
19	ASTM fittings:Supply of concentric reducer butt weld of size:40x25 NB as per specifications mentioned in the Annexure-IV.	10.00 Nos.		-		

20	ASTM fittings:Supply of concentric reducer butt weld of size:25X15 NB as per specifications mentioned in the Annexure-IV.	10.00 Nos.		-		
21	ASTM fittings:Supply of SS U clamps of Size:15NB as per specifications mentioned in the Annexure-V.	460.00 Nos.		-		
22	ASTM fittings:Supply of SS U clamps of Size:25NB as per specifications mentioned in the Annexure-V.	825.00 Nos.		-		
23	ASTM fittings:Supply of SS U clamps of Size:40NB as per specifications mentioned in the Annexure-V.	20.00 Nos.		-		

Common charges (Applicable for all items)

Additional Charges, if any (P&F, Freight etc.)	

Annexure-I

SPECIFICATIONS FOR SUPPLY OF STAINLESS-STEEL FORGED FLANGES

Item : SLIP ON RAISED FACE (SORF) Flanges and BLRF with concentric serrations.
Material : Forged Stainless-steel Flanges, as per ASTM A 182 F 304 L

Schedule of quantities:

Sl.No.	Item	Size	Class rating #	MOC	Qty (No.)
1	SORF	15NB	150#	304L	350
2	SORF	25 NB	150#	304L	120
3	SORF	40 NB	150#	304L	10
4	SORF	25 NB	300 #	304L	50
5	BLRF	25 NB	150 #	304 L	35

1. All Flanges shall conform to **ANSI B 16.5**, serrated raised face. Weld neck flanges shall be suitable for Welding of pipe confirms to **ANSI B 36.19**. Edge preparation shall be as per **ANSI B16.25.**
2. Flanges shall be of forged quality and made of **ASTM A 182 F 3O4L.** The details of size, material, the schedule for flanges and quantity are given in the above.
3. Detailed Chemical analysis as per ANSI, mechanical testing as per **ASTM-A370** and IGC test as per **A262 Practice-E** shall be **carried out on raw materials & finished products, one per heat/lot number.**
4. Test certificates shall be produced during inspection. ***All testing charges shall be included in the quoted price.***
5. Material supplied should be guaranteed for 12 months from the date of supply.
6. All material shall be Pickled and Passivated as per **ASTM A380.**
7. Purchaser reserves the right to inspect the material at any stage.
8. Supplier has to inform the purchaser well in advance regarding the readiness of material.
9. **Packing**: All flanges shall be closed properly with plastic caps to avoid damage of edges and raised face during transit. The cost of the same shall be included in the offer. Material shall be wrapped in polythene sheet and packed in a wooden box as seaworthy package.
10. MARKING: All flanges shall be clearly marked indicating the following
    - Manufacturer's reference (i.e. Trade name)
    - Nominal Pipe Size
    - Pressure Rating (Class #)
    - Material Grade Designation
    - Heat treatment and Lot number

Sl. No.	Characteristics/ type of check	Ref. Document	Method of check (verification)	Quantum of inspection		
				Supplier	TPI scope	Purchaser
8	IGC testing one sample per heat number/Lot Number &microstructure examination	ASTM-A262 Practice – E/ASTM E112	Verification of material test certificates	100% R	100% R	100% R
9	Final Documentation	As per P.O	Verification of Documents/ Certificates	100% R	100% R	100% R

Legend: R-Review, W-Witness, H-Hold

$-Supplier shall procure the raw material with MIL test certificate traceability.

List of probable makes or equivalent to meeting the indent specifications.

1. Sanghvi Forging & engineering ltd
2. Sawan engineers pvt ltd
3. Rajmani fittings pvt ltd
4. Rajendra Industrail corporation
5. RD Forge.
6. Gujarat Infra pipes (p) ltd.
7. Mechwell fittings

Annexure-II

Specification for supply of SS fasteners

Supply of Stainless Steel fully threaded studs with two numbers of hexagonal nuts and two numbers of washers (one set consists of 1 no of stud + 2 nos of nuts + 2 nos of washers).

S.No	Stud	Qty(No)
1	Size:M12 X 1.5 X 75 mm long	2300
2	Size:M16 X 2.0 X 85 mm long	900
3	Size:M20 X 3.0 X 100 mm long	130

1.Studs and nuts shall be confirming as follows:

Studs : ASTM A 193 Gr.B8M/latest std

Nuts : ASTM A 194 Gr.8M/latest std

Washers : SS 316

2. The process of manufacture of studs shall be as given below:
   - Receipt of rolled rods of required size and quantity.
   - Cutting to required lengths.
   - Solution Annealing as per standards
   - Samples for Chemical, Mechanical and IGC test drawn.
   - Cylindrical grinding to achieve required dimensions.
   - Thread rolling
   - Pickling and Passivation followed by thorough washing with DM water.
   - Checking with nuts.
   - Chemical Test for finished products.
3. All threads shall be made by Thread rolling method only. Threading by machining is not allowed.
4. All Nuts shall be of forged quality, cast nuts will not be acceptable. Nuts shall be tested as per standard specified.
5. Material tests shall be conducted as per code specified. Chemical & physical tests and IGC tests shall be carried out in Government recognized laboratories only. Minimum of one specimen shall be drawn from each heat and each size as per QAP.

List of probable makes or equivalent to meeting the indent specifications.

1. Venkatewara Industries, Chennai
2. Mechwell fittings , Ahmedabad
3. Tec aero devices, Hyderabad
4. Lee hydraulics, Hyderabad
5. Dabir, Thane
6. VK technical works, Hyderabad

Annexure-III

SPECIFICATIONS FOR SUPPLY OF STAINLESS-STEEL PIPE NIPPLES

Pipe nipples:

- All pipe nipples shall be from seamless pipe only. Welded pipes are not acceptable.
- Material of construction: ASTM A 312 TP 304L
- All threads shall be NPT Type.

Schedule of Quantities:

Sl.no.	DESCRIPTION	SCH	Qty (Nos.)
SS 304L PIPE FITTINGS			
1.	15NB ONE END NPT THREADED (OET) Coupler	80	300
2.	15NB ONE END NPT THREADED (OET) NIPPLE, Length: 100 mm	80	150
3.	15NB BOTH END NPT THREADED (BET) NIPPLE, Length: 100 mm	80	340

General conditions:

1. All the Finished Product materials shall be tested for Chemical composition, Micro Structure examination, Mechanical tests (Strength, hardness & % of elongation) as per standard. IGC test shall be conducted as per ASTM standard A262 Practice-E as per QAP.

   The cost for chemical, micro-structure examination, mechanical & IGC test shall be included in the offer itself.

   - All the tests shall be carried out by NABL approved laboratory.
   - If any of the finished product testing is not possible due to size constraint, then alternative plan will be finalized.
2. Sampling for Material Testing: One sample from each lot/Heat shall be given for physical, chemical and IGC tests.
3. Dimensions of fittings shall conform to ANSI standard and material construction of shall confirm to ASTM.
4. All nipples and couplers shall be solution Annealed as per code.
5. All nipples and couplers shall be pickled and passivated as per ASTM A380.
6. All nipples and couplers shall be chemically etched with details like, size, class, rating, type, material and heat number.
7. All the External/Internal threaded portions shall be protected with plastic caps to avoid damage to the threaded ends.

List of probable makes or equivalent to meeting the indent specifications.

1. Sanghvi Forging & engineering ltd
2. Sawan engineers pvt ltd
3. Rajmani fittings pvt ltd
4. Rajendra Industrail corporation
5. RD Forge.
6. Gujarat Infra pipes (p) ltd.
7. Mechwell fittings

Annexure-IV

SPECIFICATIONS FOR SUPPLY OF STAINLESS-STEEL FORGED FITTINGS

A. Butt weld fittings:

A1. Fittings with Butt-Weld ends, are to be made from pipes, minimum one order higher thickness schedule pipes shall be used as base material However, the edge preparation of fittings shall as per ANSI B16.25.

A2. Material of construction: ASTM A 403 Gr. WPS 304L.

A3. All fittings shall be of seamless quality. Butt-Weld Tees shall be of swaged type only. Welded construction is not acceptable.

A4. Dimension as per ANSI B16.9, B16.28 Edge preparation as per ANSI B16.25.

Schedule of Quantities:

Sl.no.	DESCRIPTION	SCH	Qty(Nos.)
SS 304L PIPE FITTINGS			
1.	25x25x15NB UNEQUAL TEE BUTT WELD	40	125
2.	40x40x25NB UNEQUAL TEE BUTT WELD	40	5
3.	25NB EQUAL TEE BUTT WELD	40	50
4.	15NB EQUAL TEE BUTT WELD	40	100
5.	15NB ELBOW 90 DEGREES BUTT WELD	40	160
6.	25NB ELBOW 90 DEGREES BUTT WELD	40	140
7.	40NB ELBOW 90 DEGREES BUTT WELD	40	10
8.	40x25 NB CONCENTRIC REDUCER BUTT WELD	40	10
9.	25x15 NB CONCENTRIC REDUCER BUTT WELD	40	10

General conditions:

1. All the Finished Product materials shall be tested for Chemical composition, Micro Structure examination, Mechanical tests (Strength, hardness & % of elongation) as per standard. IGC test shall be conducted as per ASTM standard A262 Practice-E as per QAP.

   The cost for chemical, MICRO-structure examination, mechanical & IGC test shall be included in the offer itself.

   - All the tests shall be carried out by NABL approved laboratory.
   - If any of the finished product testing is not possible due to size constraint, then alternative plan will be finalized.

		Practice-E			
5	Verification of Micro structure examination reports	As per Std	100 %H	100%R	100%R
6	Visual inspection	As per P.O	100%W	10% W	10% R
7	Dimensional inspection	As per P.O	100%W	10% W	10% R
8	Verification of etching of Symbol, size, Class rating, type, material and Heat/Lot number.	As per P.O	100%W	100% R	100% R
9	Final documentation	As per P.O	100%H	100% R	100% R

Legend: R-Review, W-Witness, Hold-H

List of probable makes or equivalent to meeting the indent specifications.

1. Sanghvi Forging & engineering ltd
2. Sawan engineers pvt ltd
3. Rajmani fittings pvt ltd
4. Rajendra Industrail corporation
5. RD Forge.
6. Gujarat Infra pipes (p) ltd.
7. Mechwell fittings

Annexure-V

Specification for supply of Stainless Steel U- Clamps

1.Supply of SS U-clamps (partially threaded) with four Nos. of hexagonal nuts, four Nos. of 1.5 thick plain washers and one No. of 2 mm thick shim plate as given in Drg.No: LSSF/SUNS/U-CLAMP /2024-01 and the Table-1.

1. Material of U-Clamp Set and Foundation Bolts:

U-Clamps	- **ASTM A 193 Gr. B8** (SS 304)
Nuts	- **ASTM A 194 Gr. B8** (SS 304)
Washers	- SS 304
Shim plates	- SS 304

2. Dimensional Details of U-Clamps:

One set containing 1 No. of U-clamp + 4 Nos. of Hexagonal nuts + 4 Nos. of plain washers + 1 No. of 2 mm thick Shim plate.

Table-1

S. No	Pipe size (NB)	Pipe O.D (mm)	Shim plate L x B (mm)	U-Clamp Dimensions (MM)					Nut size	Qty (NOS)
				D1	H1	H2	E	D2	--	
1.	15	21.3	70 x 50	26	55	35	34	6	M6 X 1.5	460
2.	25	33.4	80 x 50	38	70	42	42	8	M6 X 1.5	825
3.	40	48.3	100 x 50	53	85	42	65	8	M6 X 1.5	20

3. General Condition:

1. Threads of U-clamps shall be made by thread rolling only without burrs to have a better finish and strength.
2. All the U-clamps, nuts shall be pickled and passivated as per standard procedure ASTM-A380. The final finish of items shall be bright finish.
3. Clamps thread ends shall be made as per IS 1368 and thread dimensions shall be as per IS 4218

4. Testing:

1. After fabrication, U-clamps, nuts, washer and shim plate shall be tested for mechanical and chemical properties (**one number of samples in each size and each heat number of the U-clamp set**) in a Government approved laboratory.
2. Total testing charges should be quoted in their offer itself.

7.U-Clamp Drawing

