भारत सरकार
अंतरिक्ष विभाग
सतीश धवन अंतरिक्ष केंद्र शार
श्रीहरिकोटा रेंज डा.घ. 524 124
श्री पोट्टि श्रीरामुलु नेल्लूर जिला, आं.प्र., भारत
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सत्यमेव जयते

Goverment of India
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निविदा सूचना सं. TENDER NOTICE NO. SDSC SHAR/Sr.HPS/PT/RO-LSSF/26/2025-2026

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 President of India, Sr. Head, Purchase and Stores, SDSC SHAR, SRIHARIKOTA invites on line quotations for the following.

क्र.सं. Sl No	संदर्भ सं. Ref. No.	विवरण Description	मात्रा Qty.
01.	**SDSC SHAR /LSSF PURCHASE /LSSF/2025000975 [Public Tender – Two Part]**	**Supply of SS Pipe Flanges & Pipe Fittings**	**1 Lot**

निविदा दस्तावेजों को डाउनलोड करने की अंतिम तिथि Last Date for downloading of tender documents : 23.09.2025 at 14:00 hrs.
ऑनलाइन निविदा जमा करने की अंतिम तिथि Due Date for submission of bids online : 23.09.2025 at 14:00 hrs.
निविदाएं खोलने की नियत तिथि Due Date for opening of tenders : 23.09.2025 at 14:05 hrs.

निविदाकार के लिए निर्देश Instructions to Tenderers:

निविदाएं ईजीपीएस के माध्यम से ही भेजी जाएं तथा कोई निविदा शुल्क लागू नहीं होगा।
Bids shall be submitted on line through EGPS only and No tender fee shall be applicable.

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 की ई-खरीद वेबसाइट इसरो न्यू ई-प्रोकुरमेंट www.eproc.isro.gov.in से ई-निविदा डाउनलोड और अपनी निविदा ई-खरीद पोर्टल पर ऑनलाइन जमा कर सकते हैं। डाक / वाहक / स्वयं द्वारा प्राप्त निविदाओं पर विचार नहीं किया जाएगा। / Interested tenderers can download the e-tender from ISRO e-procurement website www.eproc.isro.gov.in and submit the offer on line in the e-procurement portal. Offers sent physically by post/courier/in person will not be considered.

3) निविदा दस्तावेज इसरो की वेबसाइट www.isro.gov.in इसरो न्यू ई-प्रोकुरमेंट वेबसाइट www.eproc.isro.gov.in तथा सतीश धवन अंतरिक्ष केंद्र शार की वेबसाइट www.shar.gov.in पर भी उपलब्ध हैं। इन्हें केवल ई-खरीद पोर्टल से डाउनलोड और निविदा ऑनलाइन जमा कर सकते हैं। / Tender documents are also available on ISRO website www.isro.gov.in,ISRO New e-procurement website www.eproc.isro.gov.in and SDSC SHAR, Sriharikota website www.shar.gov.in. The same can be down loaded and offer submitted on line in the new e-procurement portal only.

4) निर्धारित तिथि/समय के पश्चात प्राप्त बोलियों पर विचार नहीं किया जाएगा। / Quotations received after the due date/time will not be considered.

5) 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.

6) GeM GARPTS Report ID: GEM/GARPTS /17072025/R8L291C9BU2C

दिनांक DT: 01.09.2025

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

Annexure-1

TECHNICAL SPECIFICATION FOR SUPPLY OF SS 304L PIPE FITTINGS & FLANGES

I. Scope of Work: The scope of work covers procurement of raw materials, fabrication/manufacture, testing, inspection, packing, forwarding and delivery of **SS 304L Pipe fittings and flanges** as per the given technical specification furnished in **Part-1 & Part-2**.

II. The supplier of SS pipe fittings & SS flanges should be a manufacturer. **Traders and dealers are not allowed to quote.**

III. Bidder has to supply the items sizes and quantities **(Lot)** as per below table-1

Sl. No	Item Description	UOM	Qty
1	Supply of SS 304L Pipe flanges & fittings	Lot	01

Table-1
Lot contain the following sizes & quantities

Sl. No	Item description	Qty in Nos
1	**Manufacturing, testing and supply of 150 NB Sch40 90° LR Elbow MOC:304L,**	20
2	100NB Sch40 90° LR Elbow MOC:304L	170
3	80NB Sch40 90° LR Elbow MOC:304L	350
4	50NB Sch40 90° LR Elbow MOC:304L	460
5	40NB Sch40 90° LR Elbow MOC:304L	200
6	25NB Sch40 90° LR Elbow MOC:304L	150
7	15NB Sch40 90° LR Elbow MOC:304L	210
8	15NB Sch160 90° LR Elbow MOC:304L	60
9	25NB Sch160 90° LR Elbow MOC:304L	70
10	**100NB Sch40 45° LR Elbow MOC:304L**	30
11	80NB Sch40 45° LR Elbow MOC:304L	120
12	50NB Sch40 45° LR Elbow MOC:304L	90
13	40NB Sch40 45° LR Elbow MOC:304L	30
14	25NB Sch40 45° LR Elbow MOC:304L	100
15	25NB Sch160 45° LR Elbow MOC:304L	50
16	15NB Sch40 45° LR Elbow MOC:304L	70
17	15NB Sch60 45° LR Elbow MOC:304L	40
18	**150NB Sch40 Equal Tee MOC:304L**	25
19	100NB Sch40 Equal Tee MOC:304L	50
20	80NB Sch40 Equal Tee MOC:304L	220
21	50NB Sch40 Equal Tee MOC:304L	120
22	40NB Sch40 Equal Tee MOC:304L	60
23	25NB Sch40 Equal Tee MOC:304L	120
24	25NB Sch160 Equal Tee MOC:304L	40
25	15NB Sch40 Equal Tee MOC:304L	90
26	15NB Sch160 Equal Tee MOC:304L	40
27	**150X150X100 Sch40 unequal Tee MOC:304L**	10
28	150X150X80 Sch40 unequal Tee MOC:304L	20
29	150X150X50 Sch40 unequal Tee MOC:304L	10

30	100X100X80 Sch40 unequal Tee MOC:304L	10
31	100X100X50 Sch40 unequal Tee MOC:304L	20
32	100X100X40 Sch40 unequal Tee MOC:304L	10
33	80X80X50 Sch40 unequal Tee MOC:304L	70
34	80X80X40 Sch40 unequal Tee MOC:304L	50
35	50X50X40 Sch40 unequal Tee MOC:304L	80
36	50X50X25 Sch40 unequal Tee MOC:304L	110
37	40X40X15 Sch40 unequal Tee MOC:304L	75
38	40X40X25 Sch40 unequal Tee MOC:304L	50
39	25X25X15 Sch40 unequal Tee MOC:304L	40
40	25X25X15 Sch160 unequal Tee MOC:304L	30
41	**100X80 Sch 40s Concentric MOC:304L**	30
42	100X65 Sch 40s Concentric MOC:304L	8
43	100X50 Sch 40s Concentric MOC:304L	50
44	100X40 Sch40s Concentric MOC:304L	20
45	80X50 Sch40 Concentric MOC:304L	50
46	80X40 Sch40 Concentric MOC:304L	40
47	80X15 Sch40 Concentric MOC:304L	40
48	50X40 Sch40 Concentric MOC:304L	50
49	50X25 Sch40 Concentric MOC:304L	70
50	50X15 Sch40 Concentric MOC:304L	70
51	40X25 Sch40 Concentric MOC:304L	40
52	40X15 Sch40 Concentric MOC:304L	70
53	25X15 Sch40 Concentric MOC:304L	90
54	**100X80 Sch 40S Eccentric Reducer MOC:304L**	15
55	100X50 Sch 40s Eccentric Reducer MOC:304L	15
56	100X40 Sch40 Eccentric Reducer MOC:304L	10
57	80X50 Sch40 Eccentric Reducer MOC:304L	10
58	80X40 Sch40 Eccentric Reducer MOC:304L	10
59	65X50 Sch40 Eccentric Reducer MOC:304L	10
60	50X40 Sch40 Eccentric Reducer MOC:304L	20
61	50X25 Sch40 Eccentric Reducer MOC:304L	20
62	40X25 Sch40 Eccentric Reducer MOC:304L	20
63	40X15 Sch40 Eccentric Reducer MOC:304L	10
64	25X15 Sch40 Eccentric Reducer MOC:304L	30
65	**100NB, Sch40 SS304L, Butt Weld Pipe end Cap**	25
66	80NB, Sch40 SS304L, Butt Weld Pipe end Cap	35
67	50NB, Sch40 SS304L,Butt Weld Pipe end Cap	20
68	40NB, Sch40 SS304L, Butt Weld Pipe end Cap	20
69	25NB, Sch40 SS304L,Butt Weld Pipe end Cap	20
70	15NB, Sch40 SS304L, Butt Weld Pipe end Cap	30
71	**15NB SCH40S Pipe nipple Both end threaded(Male) MOC:304L**	70
72	25NB SCH40 Pipe nipple Both end threaded(Male) MOC:304L	70
73	15NB SCH80 Pipe nipple Both end threaded(Male) MOC:304L	90
74	15NB SCH40 nipple one end threaded(Male)	90
75	25NB SCH40 nipple one end threaded(Male)	30
76	15NB SCH80 Pipe nipple one end threaded(Male)	60
77	25NB SCH80 Pipe nipple one end threaded(Male)	30
78	**15NB x 3000#, Socket weld Equal Tee MOC:304L**	30
79	15NB x 6000#, Socket weld Equal Tee MOC:304L	30

80	15NB x 9000#, Socket weld Equal Tee MOC:304L	30
81	15NB x 3000#, SW OET-F Pipe Coupling	70
82	15NB x 6000#, SW OET-F Pipe Coupling	70
83	15NB x 9000#, SW OET-F Pipe Coupling	30
84	15NB x 3000#, Socket Weld Pipe Coupling	30
85	25NB x 3000#, Socket Weld Pipe Coupling	20
86	**15NB X 15NB, 3000#, Threadolet, MOC:304L**	110
81	15NB X 25NB, 3000#, Threadolet, MOC:304L	50
88	15NB X 40NB, 3000#, Threadolet, MOC:304L	30
89	**15NB X 15NB, 3000#, Sockolet, MOC:304L**	30
90	25NB X 15NB, 3000#, Sockolet, MOC:304L	30
91	**Pipe End flanges, SS304L, WNRF, Sch40, 15NB X 150#**	360
92	25NB X 150#	255
93	40NB X 150#	260
94	50NB X 150#	525
95	80NB X 150#	450
96	100NB X 150#	210
97	50NB X 300#	30
98	80NB X 300#	30
99	15NB X 600#, sch 160	55
100	25NB X 600# sch 160	20
101	**Pipe End flanges, MOC: SS304L, SORF, 15NB X 150#**	100
102	25NB X 150#	60
103	40NB X 150#	35
104	50NB, 150#	65
105	80NB, 150#	50
106	100NB X 150#	30
107	**Blind Flanges MOC: SS304, 100NBX150#, BLDF Flange**	45
108	80NBX150#, BLDF Flange	45
109	50NBX150#, BLDF Flange	75
110	40NBX150#, BLDF Flange	40
111	25NBX150#, BLDF Flange	60
112	15NBX150#, BLDF Flange	70
113	50NBX300#, BLDF Flange	35

1.0 **Technical Specifications for SS Pipe Fittings:**

1.1 Fittings with Butt-Weld ends are to be made from pipes, **minimum one order higher thickness schedule pipes shall be used as base material up to 160 Sch**. However, the edge preparation of fittings shall be as per **ANSI B 16.25.**

1.2 All fittings are to be of seamless quality. Butt-Weld Tees shall be of swaged (or) forming only. **No where welded/forged construction is acceptable.** The details of the pipe fittings like size, material, class rating, schedule, quantities are given in the table-1.

1.3 Nonstandard fittings shall be made as per manufacturers standard wherever applicable.

1.4 Dimension of Butt weld fittings shall conform to **ANSI-B16.9 & B16.28** and material of construction of ASTM Standard specified in the Schedule.

1.5 All fittings shall be **Solution Annealed** as per code **A403WP304L**.

1.6 All fittings shall be Laser printed with details like, size, class rating, type, material, heat/Lot number and trade symbol.

1.7 Detailed Chemical analysis as per ANSI-304L, mechanical testing as per **ASTM-A370** and IGC test as per **A262 Practice-E/B** shall be **carried out on raw materials for one sample per heat or lot number.**

1.8 All fittings shall be **pickled and passivated as per standard procedures ASTM-A380**.

1.9 **PMI & Micro structure examination** on finished product (**one sample per heat or lot number**) shall be carried out as per standard procedure and the samples for testing will be selected by Purchaser during inspection.

2.0 **Technical Specification for SS Pipe Flanges:**

2.1 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.**

2.2 Flanges shall be of forged quality and made of **ASTM A 182 F 304L.** The details of size, material, the schedule for the WNRF/Blind flanges and quantity are as given in table-1.

2.3 Detailed Chemical analysis as per ANSI-304L, mechanical testing as per **ASTM-A370** and IGC test as per **A262 Practice-E/B** shall be **carried out on raw materials for one per heat/lot number.**

2.4 **PMI & Micro structure examination on** finished product (**one per heat/lot number**) shall be carried out as per standard procedure and the samples for testing will be selected by Purchaser during inspection.

2.5 All flanges shall be **pickled and Passivated as per standard procedures ASTM-A380**.

3.0 **General Conditions:**

3.1 **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. All fittings & flange material shall be wrapped in polythene sheet and packed in a wooden box as seaworthy package.

3.2 **MARKING**: All SS Pipe fittings & flanges shall be clearly marked indicating the following. The details shall be laser printed on each fitting.

- Manufacturer's reference (i.e. Trade name)
- Nominal Fitting/Flange Size
- Primary Pressure Rating (Class #)
- Face Designation (including Schedule in case of WNRF flanges)
- Material Grade Designation
- Heat Number and Lot number

3.3 Test certificates shall be produced during inspection. All testing charges shall be included in the quoted price.

3.4 All the tests shall be carried out by NABL approved laboratory.

3.5 Purchaser has the right to inspect at any stage during course of manufacturing.

3.6 PMI has to be carried out to all the finished items before dispatch.

3.7 Quoted unit price includes the procurement of raw materials, fabrication/manufacture, testing, inspection, packing, forwarding and delivery.

3.8 All the pipe fittings & flanges shall be inspected and cleared by Purchaser's Representative prior to Dispatch strictly as per the QAP (table-5).

3.9 Purchaser will select few samples & witness for Micro-structure examination during Pre Delivery Inspection (PDI). All other analysis test certificates will be reviewed.

3.10 Inspection shall be carried out by Purchaser's Representative at supplier's premises and the dispatch clearance will be given only after satisfactory completion of inspection.

3.11 Supplier has to inform the purchaser well in advance (at least two weeks in advance) regarding the readiness of material.

3.12 Bidder has to confirm point wise for the specifications as given in **Annexure-2**, without which offer cannot be considered. If any deviation from the specification has to be brought out separately with a reason.

3.13 **Production of Master file:** Three hard copies of production master file shall be supplied along with one digital copy (CD containing Scanned Originals) and shall contain the following,

- Dimensional & Visual check reports.
- All Material Analysis reports & heat treatment charts
- IGC & Micro analysis Reports.
- Final inspection Report / Release note.

3.14 All the above reports/Test Results shall be bound neatly and produced along with dispatch.

3.15 The purchaser has right to cancel the order at any stage, if the supplier is not meeting the technical specifications and QAP(Table-5)

3.16 Supplier shall **supply all the ordered items within six months** from the date of purchase order released.

3.17 Bidder has to accept 100% PMI inspection on the supply items at the time of pre-delivery inspection.

4.0 **COMMERCIAL TERMS AND CONDITIONS**

4.1 **Offer Validity:** The validity of the offers / tenders should be 120 days from the date of opening of the tenders. Tenders with offer validity less than the period mentioned above, will not be considered for evaluation.

4.2 **GST:** As per the Notification No. 6/2018-Central Tax (Rate) dt:25.01.2018 A(ix) S.No.243A (88 or any other chapter) as amended by Notification No.24/2018-Central Tax (Rate) Dt: 31.12.2018 b(viii) S.No.243B issued by Ministry of Finance (Dept. of Revenue) & Government of Andhra Pradesh, Revenue (Commercial Taxes-II) Department, G.O. MS. No. 93 Dated: 19-02-2018 A(ix) S.No.243A and as per the Notification No. 7/2018-Integrated Tax (Rate) dt:25.01.2018 A(ix) S.No.243A (88 or any other chapter) as amended by Notification No.25/2018-Integrated Tax (Rate) Dt: 31.12.2018 b(viii) S.No.243B issued by Ministry of Finance (Dept. of Revenue), **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 payload. we will issue only End-Use Certificate for availing GST/IGST @5%. **Hence, submit your price quotation by considering 5% GST.**

4.3 **Liquidated Damages** - Since delivery is the essence of this order, in case of delay in completion of total scope of work beyond the stipulated delivery period, Liquidated Damage will be levied @ 1/2% per week or part thereof on undelivered portion as pre-estimated damages subject to a maximum of 10% of total order value.

4.4 **WARRANTY**: Material supplied should be warranty for 12 months from the date of receipt, acceptance at SDSC SHAR Stores.

4.5 **COMBINED BANK GUARANTEE (Performance Security):** To ensure due performance of the contract, please furnish performance security for 03% of the value of the Purchase Order within 15 days of award/release the contract as per the format issued by the purchaser. Performance Security may be furnished in the form of Insurance Security Bonds, Account Payee Demand Draft, Fixed Deposit Receipt from a commercial Bank, Bank Guarantee (including e-Bank Guarantee) from a Commercial bank executed on Rs.200/- non-judicial stamp paper or online payment in an acceptable form and shall be valid till the completion of total contractual obligation (i.e., Supply period PLUS commissioning period PLUS warranty period PLUS 60 days). This will not carry any interest and shall be returned to you after successful completion of contractual obligations against your request.

In case of non-performance/poor performance/breach of contractual obligations, bank Guarantee shall be forfeited and in case if the vendor fails to furnish the performance security deposit within the specified date, the Purchase Order/Contract liable to be cancelled.

- The bidders should note that conditional discounts would not have edge in the evaluation process of tenders.
- Non-acceptance of any conditions wherever called for related to Guarantee/ Warranty, Performance security, Liquidated damages, the bids are liable for disqualification.

4.6 Purchase/Price Preference will be extended to the MSMEs under the Public Procurement Policy for MSMEs formulated under the Micro, Small and Medium Enterprises Development Act, 2006 and instructions issued by Government of India from time to time. Vendors who would like to avail the benefit of MSME should clearly mention the same and submit all the documentary evidences to substantiate their claim along with tender itself.

4.7 **Make in India Clause:** For this procurement, bids from Class-I and Class-II Local Suppliers are admissible.

Make-In-India (MII) Clause: For this procurement, provisions contained in 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 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 19.07.2024 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. 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 a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make in -India) order. Hence provisions contained in Public Procurement (Preference to Make in India), bidder shall provide compliance and undertaking as per order and hereafter amendments: Provisions contained

in Government Public Procurement Order No. P-45021/2/2017-PP(BE-II)-Part(4)Vol.II dated 19.07.2024 is applicable.

- ✓ 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 this order.
- ✓ Class-II local supplier means a supplier or service provider, whose goods, services or works offered for procurement, has local content equal to or more than 20% but less than 50% as defined under this Order
- ✓ Procurement/ Supply of repackaged/ refurbished/ rebranded imported products as understood commonly shall be treated as reselling of imported products and shall be excluded from calculation of local content.
- ✓ Imported items sourced locally from resellers/ distributors shall be excluded from calculation of local content.
- ✓ The license fees/ royalties paid/ technical charges paid out of India shall be excluded from local content calculation
- ✓ Verification of local content:
- ✓ The Class-I local supplier/Class-II local supplier at the time to tender, bidding or solicitation shall be required to indicate percentage of local content and provide self-certification that the item offered meets the local content requirement for Class-I local supplier/Class-II local supplier as the case may be. They shall also give details of the location(s) at which the local value addition is made.
- ✓ In case bid value is in excess of Rs. 10 Crore, Class-I local supplier/Class-II local supplier shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing charted accountant in respect of suppliers other than companies) giving the percentage of local content.
- ✓ False declarations will be in breach of the code of Integrity under Rule 15(1)(i)(h) of the General Financial Rules (GFR) for which a bidder or its successors can be debarred for up to two years as per Rule 151(iii) of the General Rules along with such other auctions as may be permissible under Law.
- ✓ A Supplier who has been debarred by any procuring entity for violation of this order shall not be eligible for preference under this order for procurement by any other procuring entity for the duration of the debarment.
- ✓ The percentage of local content should be specifically mentioned in the offer, without which it will be summarily rejected.
- ✓ Preference will be given to Class-I Local Supplier and in their absence, Class-II local supplier will be considered.

4.8 **DELIVERY TERM:** FOR-SDSC SHAR SRIHARIKOTA. Items should supply within six months from the date of release of purchase order.

4.9 **TERMS OF PAYMENTS:** 100% payment will be made within 30 days after the receipt and acceptance of items at our site. All the payments due to Bidder shall be made through PFMS. Bidder shall submit the bank details along with cancelled cheque and payments can also be made through PFMS.

4.10 **PACKING AND FORWARDING:** The bidder shall arrange to have all the material suitably packed as per the standards & statutes and as specified in the contract. Unless otherwise provided for in the contract, all

containers (including packing cases, boxes, tins, drums, and wrappings) used by the bidder shall be non-returnable. All packing and transport charges, transit handling costs, transit risk coverage and transport fees of agents employed at the place of delivery or elsewhere, shall be deemed included in the price to be paid to the bidder.

4.11 **ARBITRATION:** Applicable Law, Jurisdiction and 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.

- ✓ Work under the Work Package Order(s) shall be continued by the Service Provider 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 Service Receiver or unless the matter is such the works cannot be possibly continued until the decision (whether final or interim) of the Arbitrator is obtained.
- ✓ ***In case order is concluded on the Public Sector Undertakings, the following Arbitration Clause will be applicable:*** In the event of any dispute(s) or difference(s) relating to the interpretation and application of the provisions of the commercial contracts between ISRO/SDSC SHAR & Central Public Sector Enterprises (CPSEs)/Port Trusts inter se and also between ISRO/SDSC SHAR & CPSEs and Government Departments/Organizations (excluding disputes concerning Railways, Income Tax, Customs & Excise Departments), such dispute(s) or difference(s) shall be taken by either party for resolution through the "Administrative Mechanism for Resolution of CPSEs Disputes (AMRCD)", as mentioned in the Office Memorandum F No. 4(1)/2013-DPE(GM)/FTS-1835 dated 22nd May, 2018 issued by the Director of the Department of Public Enterprises (DPE) under the Ministry of Heavy Industries and Public Enterprises, Government of India.

4.12 **FORCE MAJEURE:** A Force Majeure (FM) means extraordinary events or circumstance beyond human control such as an event described as an act of God (like a natural calamity) or events such as a war, strike, riots, crimes (but not including negligence or wrong-doing, predictable/seasonal rain and any other events specifically excluded in the clause). An FM clause in the contract frees both parties from contractual liability or obligation when prevented by such events from fulfilling their obligations under the contract. An FM clause does not

excuse a party's non-performance entirely, but only suspends it for the duration of the FM. The firm has to give notice of FM as soon as it occurs (say, not later than 14 days after its occurrence), and it cannot be claimed ex-post facto. There may be a FM situation affecting the purchase organization only. In such a situation, the purchase organization is to communicate with the supplier along similar lines as above for further necessary action. If the performance in whole or in part or any obligation under this contract is prevented or delayed by any reason of FM for a period exceeding 90 (Ninety) days, either party may at its option terminate the contract without any financial repercussion on either side.

Notwithstanding the punitive provisions contained in the contract for delay or breach of contract, the supplier would not be liable for imposition of any such sanction so long as the delay and/ or failure of the supplier in fulfilling its obligations under the contract is the result of an event covered in the FM clause.

4.13 **APPLICABLE LAW AND JURISDICITION:** The laws of India shall govern this contract for the time being in force. The Courts of Andhra Pradesh only shall have jurisdiction to be with and decide any legal matters or disputes what so ever arising out of the contract.

4.14 **Risk and Cost Purchase:** Timely delivery of goods/services is of prime importance and where the vendor fails to fulfil their contractual obligations, the Procuring Entity shall be entitled, and it shall be lawful on his part, to procure Stores and/ or services similar to those ordered/cancelled, with such terms and conditions and in such manner as it deems fit at the "Risk and Cost" of the Contractor and the Contractor shall be liable to the Procuring Entity for the extra expenditure, if any, incurred or accrued by the Procuring Entity for arranging such procurement. However, the Contractor shall not be entitled to benefits if any, from such procurements.

Prior to resorting to risk purchase the Purchaser shall consider impact of the default by the contractor, proper notice to the contractor to invoke risk purchase clause and method of recovering the additional amount spent by the Purchaser. The cost as per risk purchase exercise may be recovered from the Earnest Money Deposit/ Security Deposit/ Performance Security of the supplier and/or bills submitted by the supplier against the same contract or any other contract. GST will be charged / levied on Risk Purchase as per the provision of GST Act Rule thereon.

Risk purchase action may be initiated under any of the following conditions.

- ✓ When the supplier fails to deliver the materials even after extending the delivery period.
- ✓ When the supplier fails to respond to purchases request for supply of the materials and fails to provide any genuine and bonafide reason for the delay in supply.
- ✓ When the supplier breaches any of the terms and conditions of the supply order/ contract and as a result fails to execute the order satisfactorily.

5. Quality Assurance Plan for Fittings & Flanges (QAP)

	Characteristics / type of check	Ref. Document	Method of check (verification)	Quantum of inspection	
				Supplier's QC	Purchaser's QC
A	**On Raw Material:**				
1	Identification of raw material with MIL test certificates (chemical, Mechanical) **$**	As per P.O	Verification of certificates	100% H	100% R
2	Mechanical testing of raw material per Heat/Lot	ASTM-A370	Review of test certificates	100% R	100% R
3	Chemical analysis of raw material per Heat/Lot	ANSI-304L	Verification of material test certificates	100% R	100% R
4	IGC testing one sample per heat number/Lot Number on raw material	ASTM-A262 Practice–E/B	Verification of material test certificates	100% R	100% R
B	**On Finished product:**				
5	Dimensional and visual inspection	As per PO & Spec. Code	Measurement & Visual inspection	100% W	10% W at random
6	Microstructure examination on selected sample one per heat/lot number**#**	ASM Hand book Vol.-9	Verification of material test certificates	100% R	100% W
7	Verification of etching of Symbol, size, Class rating, type, material and Heat/Lot number.	As per P.O.	Verification	100%W	10% W at random
8	PMI of all the tender items after purchaser inspection at factory before dispatch of the material to SDSC SHAR	As per P.O.	Verification	100%W	10% W at random
9	Final Documentation	As per P.O	Verification of Documents/ Certificates	100% R	100% R

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

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

#- Sample used for finished product testing is considered in the indent quantity and tested sample to be sent along with the consignment.

Submission of bid

1.1. **Submission of bid:** suppliers shall submit the bids in **TWO-PART** bid basis. Part-I shall be techno-commercial bid and Part-II shall be price bid.

1.2. **Documents Comprising the Bid:** Bids shall be submitted in the following order.

1.3. **Part-1: Techno- Commercial Bid:** Techno commercial bid shall be filled in the techno-commercial bid format. Schedule of prices shall **not be filled** in this format. Deviations in terms and conditions, assumptions etc. shall be stipulated in column as per annexure-2.

Note: *Disclosure of Price bid information in Techno- Commercial Bid shall be sufficient grounds for rejection of the bid.*

1.4 All the documents are to be submitted in e procurement portal only. Documents submitted by hand/post shall not be considered.

2. **Part-2: Price Bid**

2.1. Prices shall be filled in the e procurement portal only. The price bids will be opened only after evaluation and acceptance of the technical bid of the respective tenderer.

2.2. **Award of contract:** PO will be awarded on **Overall L1 basis** only.

2.3. SDSC SHAR reserves the right to reject any or all the Bids without assigning any reasons thereof.

3. **Bidder Eligibility / Pre-Qualification Criteria**

(Bidder should confirm, submit all the required documents with page number upload in e-procurement portal)

Sl. No.	Item name	Purchaser requirement	Bidder compliance
1	Company Profile & documentary evidence	The Bidder should be a Company/Society/Firm registered in India since last 5 (five) years or more.	To be submitted
2	Confirm the bidder is manufacturer	The bidder shall necessarily be a manufacturer of SS Pipe fittings & flanges. **Traders/Dealers/Agents are not permitted to quote.**	Yes, Manufacturer/Not
Bidder shall provide availability status of their in-house/outsource facilities in the following table.			
3	Raw Material (Bar stock)	1. Capable to procure minimum stock of 10T from the **reputed suppliers** along with MIL test certificates.	Available/Not available
		2. Raw materials which are certified / confirmed by TPIA has to be used for the production of fittings / flanges and should have sufficient TPIA certified stock.	Yes/No
4	Material Certification	Capability to **provide mill test certificates (MTC)** as per ASTM A403, **documenting chemical and mechanical properties**	submitting/Not submitting
5	Material Storage	Dedicated area for storing raw materials **to prevent contamination or corrosion**, with proper segregation to avoid mixing of SS & CS materials	Available/Not available
6	Raw material inspection	To inspect raw material **chemical composition analysis (e.g., spectrometry, PMI) outsourcing/in house (approved by NABL labs)**	Available/out source

		Availability of measuring instruments for dimensional checks, etc., (calipers/gauges)	Available/Not available
7	Precision cutting equipment's	**Band saws, plasma cutters**, or **CNC cutting machines** etc., to cut 15 NB to 150 NB SS pipes / bar stock, etc.,	Available/Not available
8	Induction Bending Machine / Mandrel Bending	For creating long radius elbows of size 100 NB &150NB Sch. 40, bends. Mandrel Bending **ensures uniform wall thickness and prevents ovality**	Available/Not available
9	Hydraulic Press or Extrusion Machine	For **forming fittings** (equal tees, reducer, etc.,) of size 15NB to 150NB, sch.40	Available/Not available
10	Furnace	**Annealing furnace for solution annealing** with rapid quenching to relieve stresses and restore corrosion resistance: In house facility/out sourcing	To be confirmed
11	Hydraulic Forging Press / Drop Hammer or Upset Forging Machine	For **hot forging of stainles steel billets or bars into rough flange shapes,** to form the weld neck and flange disc, ensuring proper grain flow for strength	Available/Not available
		Bidder has to provide list of Forging presses available along with their range of forging capacity	To be submitted
12	Machining	**CNC Lathes / Grinders / Drilling machines / Thread cutting / Thread rolling** etc., for threading, trimming and finishing of the fittings to precise dimensions	Available/Not available
13	Surface Treatment	**Pickling and passivation chemicals/equipment's** to remove scale and enhance corrosion resistance of stainless steel: In house facility/out sourcing	To be confirmed
14	Production capacity	Bidder shall provide the average annual plant production capacity of SS material related items.	To be submitted
15	Previous purchase orders	In the last five years, supplier should have executed similar type of supply such as supply of SS pipe fittings and flanges of single purchase order value more than Rs. 125 lakhs **(or)**	To be submitted
		Two purchase orders of each Rs. 75 lakhs **(or)**	
		Three purchase orders of each Rs. 55 lakhs. Necessary PO copies shall be submitted along with technical bid	
16	Three financial years	Submit the last three financial year pipe fittings & flanges supplied purchase order copies	To be submitted
17	Satisfactory certificate	Bidder shall submit satisfactory (supply of items) completion certificate from their clients for the previous supplied orders	To be submitted
18	Average annual turnover	The bidder should have an average annual turnover of Rs.75 lakhs during last 3 years (Financial year 21-22, 22-23 & 23-24).	To be submitted
19	Audited balance sheet	Bidder shall submit audited balance sheet last three financial years for FY 2021-22, FY 2022-23 & FY 2023-24.	To be submitted
20	Profit & Loss A/c statements	Bidder shall submit Profit & Loss A/c statements, copy of the IT return filed during last 3 years financial years for FY 2021-22, FY 2022-23 & FY 2023-24.	To be submitted
21	solvency certificate	Bidder shall provide **solvency certificate** for a value of Rs.25 lakhs from a Commercial Bank issued as on or after 2025 along with offer.	To be submitted

22	Self-declaration	Self-declaration for not having any criminal case pending and should not have been blacklisted by Central / State Government organization / department in India at the time of submission of the Bid (Self-declaration has to be attached on stamp notary document)	To be submitted
23	GST & PAN	Bidder shall have GST & PAN registration certificates and certificate shall be submitted for evidence	To be submitted

4. BID EVALUATION

4.1 During evaluation, SDSC SHAR may request bidder for any clarification on the bid or additional documents.

4.2 Bidder must provide the point-by-point compliance to the commercial /technical specifications along with deviations if any. The tender will be rejected, if the deviations are not acceptable to the department.

5. Vendor evaluation process:

a. Visit to vendor's premises by purchaser technical team for assessing the technical capabilities of bidder, if required.

b. The documents listed above will be reviewed by the purchaser during factory visit, if required.

c. It is proposed to evaluate the bidder based on the previous experience in execution of the similar nature of works (manufacturing of SS pipe fittings & flanges). The supplier has to furnish/confirm**.**

6. Vendor evaluation criteria:

a. After receipt of quotation from the bidders, their credentials will be evaluated by the purchaser and their offers will be considered only after evaluation.

b. Visit to earlier fittings & flanges supplied party's sites, if required, where similar items have been supplied and commissioned in circuit/system by the party, to ascertain their complete suitability for the jobs described above.

c. Conditional bids may be rejected by SDSC SHAR. The technical evaluation shall be made strictly on the basis of the documents submitted by the bidders in support of the eligibility, the technical and commercial response. All the required information shall be furnished strictly in prescribed schedules/Annexure only. Any information indicated other than prescribed schedules/Annexure shall not be entertained. The financial evaluation shall be made on the basis of the total price/charges as indicated in the schedule of rates. Conditions, if any, on any document enclosed with financial Bid shall not be considered. SDSC SHAR's decision in this regard shall be final and binding.

d. Following mandatory documents shall be submitted at the time of OFFER submission:

1) Signed & stamped tender specifications (Annexure-I) document as a token of acceptance of all the terms & conditions mentioned in the document.

2) Signed & filled Annexure – 2

3) All the technical & Financial qualification documents as mentioned in this tender specification document of Bidder Eligibility / Pre-Qualification Criteria.

7. Price bids of short-listed bidders (qualified in technical bid) shall only be opened.

Annexure-2

Technical Compliance
(To be filled and submitted by the bidder along with offer)

Sl. No	Description	Technica Compliance
Scope of Work		
1	The scope of work covers procurement of raw materials, fabrication/manufacture, testing, inspection, packing, forwarding and delivery of **SS 304L Pipe fittings and SS 304L flanges** as per the given technical specification furnished in **Part-1 & Part-2**.	
2	The supplier of SS pipe fittings & SS flanges should be a manufacturer. **Traders and dealers are not allowed to quote.**	
Technical Specifications for SS Pipe Fittings		
4	Fittings with Butt-Weld ends are to be made from pipes, **minimum one order higher thickness schedule pipes shall be used as base material up to 160 Sch**. However, the edge preparation of fittings shall be as per **ANSI B 16.25.**	
5	All fittings are to be of seamless quality. Butt-Weld Tees shall be of swaged (or) forming only. **No-where welded/forged construction is acceptable.** The details of the pipe fittings like size, material, class rating, schedule, quantities are given in **indent**	
6	Nonstandard fittings shall be made as per manufacturers standard wherever applicable. However, the dimensional details of fittings shall be as per **ASTM A-269.**	
7	Dimension of Butt weld fittings shall conform to **ANSI-B16.9 & B16.28** and material of construction of ASTM Standard specified in the Schedule.	
8	All fittings shall be **Solution Annealed** as per code **A403WP304L**	
9	All fittings shall be Laser printed with details like, size, class rating, type, material, heat/Lot number and trade symbol.	
10	Detailed Chemical analysis as per ANSI-304L, mechanical testing as per **ASTM-A370** and IGC test as per **A262 Practice-E/B** shall be **carried out on raw materials for one sample per heat or lot number.**	
11	All fittings shall be **pickled and passivated as per standard procedures ASTM-A380**.	
12	**PMI & Micro structure examination on** finished product (**one sample per heat or lot number**) shall be carried out as per standard procedure and the samples for testing will be selected by Purchaser during inspection.	
Technical Specification for SS Pipe Flanges:		
13	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.**	
14	Flanges shall be of forged quality and made of **ASTM A 182 F 304L.** The details of size, material, the schedule for the WNRF flanges and quantity are as given in **indent.**	
15	Detailed Chemical analysis as per ANSI-304L, mechanical testing as per **ASTM-A370** and IGC test as per **A262 Practice-E/B** shall be **carried out on raw materials for one per heat/lot number.**	

16	**PMI & Micro structure examination on** finished product (**one per heat/lot number**) shall be carried out as per standard procedure and the samples for testing will be selected by Purchaser during inspection.	
17	All flanges shall be **pickled and passivated as per standard procedures ASTM-A380**.	
18	The tender document each page was studied fully, under stood the technical specifications, terms and conditions of the documents and are acceptable in total (page No: 1 to 16)	
19	The tender document each page is signed, stamped and submitted/uploaded (page No: 1 to 16).	

Bidders check list

(To be filled & submitted along with Technical Bid, submitted documents should be clearly visible and mention the page numbers)

Sl. No	Description				Compliance	Page no's
1.	Confirm the tender technical document each page is signed, stamped and submitted/uploaded in e-procurement portal				**Submitted**/ not submitted	1-16
2.	Confirm company/Society/Firm registration certificate is submitted					
3.	Confirm filled the bidders technical Compliance format					
4.	Confirm submission of the bidder's eligibility criteria & purchase orders/work orders					
5.	Confirm submission of the solvency certificate					
6.	Confirm submission of the GST & PAN copies					
7.	Confirm submission of the satisfactory completion certificate from the end user					
8.	Confirm submission of the self-declaration for not having any criminal cases					
9.	Confirm submission of the Audited balance sheet/IT return filled					
10.	Fill & submit the company turn over, profit & loss					
11.	Company	21-22	22-23	22-23		
12.	Turnover					
13.	profit					
14.	Loss					
15.	Confirm submission of the purchase order copies, fill the PO/WO Nos & amount					
16.	No of P.Os	Rs. lakhs	Rs. lakhs	Rs. lakhs		
17.	1					
18.	2	NA				
19.	3	NA	NA			

Signature with stamp

Annexure-5

Price Bid Format

(To be printed on letterhead and to be **attached in Price bid only**)

Tender Sl.No	Indent description	UOM	Qty	Total cost (Rs)
I	Supply of SS 304L PIPE FITTINGS & FLANGES as per enclosed technical specification	Lot	1	
	GST@ _ _ _ %			
	Total Rs.			
One lot contains the following below items & quantities				
Sl. No.	**Description of the Items**	**Qty**	**Unit rate (Rs)**	**Total cost (Rs)**
1	**Manufacturing and supply of 150 NB Sch40 90° LR Elbow MOC:304L,**	20		
2	100NB Sch40 90° LR Elbow MOC:304L	170		
3	80NB Sch40 90° LR Elbow MOC:304L	350		
4	50NB Sch40 90° LR Elbow MOC:304L	460		
5	40NB Sch40 90° LR Elbow MOC:304L	200		
6	25NB Sch40 90° LR Elbow MOC:304L	150		
7	15NB Sch40 90° LR Elbow MOC:304L	210		
8	15NB Sch160 90° LR Elbow MOC:304L	60		
9	25NB Sch160 90° LR Elbow MOC:304L	70		
10	**100NB Sch40 45° LR Elbow MOC:304L**	30		
11	80NB Sch40 45° LR Elbow MOC:304L	120		
12	50NB Sch40 45° LR Elbow MOC:304L	90		
13	40NB Sch40 45° LR Elbow MOC:304L	30		
14	25NB Sch40 45° LR Elbow MOC:304L	100		
15	25NB Sch160 45° LR Elbow MOC:304L	50		
16	15NB Sch40 45° LR Elbow MOC:304L	70		
17	15NB Sch60 45° LR Elbow MOC:304L	40		
18	**150NB Sch40 Equal Tee MOC:304L**	25		
19	100NB Sch40 Equal Tee MOC:304L	50		
20	80NB Sch40 Equal Tee MOC:304L	220		
21	50NB Sch40 Equal Tee MOC:304L	120		
22	40NB Sch40 Equal Tee MOC:304L	60		
23	25NB Sch40 Equal Tee MOC:304L	120		
24	25NB Sch160 Equal Tee MOC:304L	40		
25	15NB Sch40 Equal Tee MOC:304L	90		
26	15NB Sch160 Equal Tee MOC:304L	40		

27	**150X150X100 Sch40 unequal Tee MOC:304L**	10		
28	150X150X80 Sch40 unequal Tee MOC:304L	20		
29	150X150X50 Sch40 unequal Tee MOC:304L	10		
30	100X100X80 Sch40 unequal Tee MOC:304L	10		
31	100X100X50 Sch40 unequal Tee MOC:304L	20		
32	100X100X40 Sch40 unequal Tee MOC:304L	10		
33	80X80X50 Sch40 unequal Tee MOC:304L	70		
34	80X80X40 Sch40 unequal Tee MOC:304L	50		
35	50X50X40 Sch40 unequal Tee MOC:304L	80		
36	50X50X25 Sch40 unequal Tee MOC:304L	110		
37	40X40X15 Sch40 unequal Tee MOC:304L	75		
38	40X40X25 Sch40 unequal Tee MOC:304L	50		
39	25X25X15 Sch40 unequal Tee MOC:304L	40		
40	25X25X15 Sch160 unequal Tee MOC:304L	30		
41	**100X80 Sch 40s Concentric MOC:304L**	30		
42	100X65 Sch 40s Concentric MOC:304L	8		
43	100X50 Sch 40s Concentric MOC:304L	50		
44	100X40 Sch40s Concentric MOC:304L	20		
45	80X50 Sch40 Concentric MOC:304L	50		
46	80X40 Sch40 Concentric MOC:304L	40		
47	80X15 Sch40 Concentric MOC:304L	40		
48	50X40 Sch40 Concentric MOC:304L	50		
49	50X25 Sch40 Concentric MOC:304L	70		
50	50X15 Sch40 Concentric MOC:304L	70		
51	40X25 Sch40 Concentric MOC:304L	40		
52	40X15 Sch40 Concentric MOC:304L	70		
53	25X15 Sch40 Concentric MOC:304L	90		
54	**100X80 Sch 40S Eccentric Reducer MOC:304L**	15		
55	100X50 Sch 40s Eccentric Reducer MOC:304L	15		
56	100X40 Sch40 Eccentric Reducer MOC:304L	10		
57	80X50 Sch40 Eccentric Reducer MOC:304L	10		
58	80X40 Sch40 Eccentric Reducer MOC:304L	10		
59	65X50 Sch40 Eccentric Reducer MOC:304L	10		
60	50X40 Sch40 Eccentric Reducer MOC:304L	20		
61	50X25 Sch40 Eccentric Reducer MOC:304L	20		

62	40X25 Sch40 Eccentric Reducer MOC:304L	20		
63	40X15 Sch40 Eccentric Reducer MOC:304L	10		
64	25X15 Sch40 Eccentric Reducer MOC:304L	30		
65	**100NB, Sch40 SS304L, Butt Weld Pipe end Cap**	25		
66	80NB, Sch40 SS304L, Butt Weld Pipe end Cap	35		
67	50NB, Sch40 SS304L,Butt Weld Pipe end Cap	20		
68	40NB, Sch40 SS304L, Butt Weld Pipe end Cap	20		
69	25NB, Sch40 SS304L,Butt Weld Pipe end Cap	20		
70	15NB, Sch40 SS304L, Butt Weld Pipe end Cap	30		
71	**15NB SCH40S Pipe nipple Both end threaded(Male) MOC:304L**	70		
72	25NB SCH40 Pipe nipple Both end threaded(Male) MOC:304L	70		
73	15NB SCH80 Pipe nipple Both end threaded(Male) MOC:304L	90		
74	15NB SCH40 nipple one end threaded(Male)	90		
75	25NB SCH40 nipple one end threaded(Male)	30		
76	15NB SCH80 Pipe nipple one end threaded(Male)	60		
77	25NB SCH80 Pipe nipple one end threaded(Male)	30		
78	**15NB x 3000#, Socket weld Equal Tee MOC:304L**	30		
79	15NB x 6000#, Socket weld Equal Tee MOC:304L	30		
80	15NB x 9000#, Socket weld Equal Tee MOC:304L	30		
81	15NB x 3000#, SW OET-F Pipe Coupling	70		
82	15NB x 6000#, SW OET-F Pipe Coupling	70		
83	15NB x 9000#, SW OET-F Pipe Coupling	30		
84	15NB x 3000#, Socket Weld Pipe Coupling	30		
85	25NB x 3000#, Socket Weld Pipe Coupling	20		
86	**15NB X 15NB, 3000#, Threadolet, MOC:304L**	110		
81	15NB X 25NB, 3000#, Threadolet, MOC:304L	50		
88	15NB X 40NB, 3000#, Threadolet, MOC:304L	30		
89	**15NB X 15NB, 3000#, Sockolet, MOC:304L**	30		
90	25NB X 15NB, 3000#, Sockolet, MOC:304L	30		
91	**Pipe End flanges, SS304L, WNRF, Sch40, 15NB X 150#**	360		
92	25NB X 150#	255		
93	40NB X 150#	260		
94	50NB X 150#	525		
95	80NB X 150#	450		
96	100NB X 150#	210		

97	50NB X 300#	30		
98	80NB X 300#	30		
99	15NB X 600#, sch 160	55		
100	25NB X 600# sch 160	20		
101	**Pipe End flanges, MOC: SS304L, SORF, 15NB X 150#**	100		
102	25NB X 150#	60		
103	40NB X 150#	35		
104	50NB, 150#	65		
105	80NB, 150#	50		
106	100NB X 150#	30		
107	**Blind Flanges MOC: SS304, 100NBX150#, BLDF Flange**	45		
108	80NBX150#, BLDF Flange	45		
109	50NBX150#, BLDF Flange	75		
110	40NBX150#, BLDF Flange	40		
111	25NBX150#, BLDF Flange	60		
112	15NBX150#, BLDF Flange	70		
113	50NBX300#, BLDF Flange	35		
			Sub Total Rs.	
			GST@ %	
			Grand Total Rs.	

Dated this …… Day of …….. 20XX

(Signature) (In the capacity of)

Duly authorized to sign the Bid Response for and on behalf of: ……

(Name and address of the Bidder) Seal/Stamp of Bidder