GOVERNMENT OF INDIA:: DEPARTMENT OF SPACE
SATISH DHAWAN SPACE CENTER SHAR:: SRIHARIKOTA – 524 124
SRI POTTI SREE RAMULU, NELLORE DISTRICT (A.P.)

TENDER NOTICE NO. SDSC SHAR/Sr.HPS/PT/RO/06/2020-2021

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

<table>
<thead>
<tr>
<th>Si No</th>
<th>Ref. No.</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>SHAR VAST 2019 0 12598 E-Procurement [Public Tender - Two Part basis]</td>
<td>Supply and installation of Articulated type Aerial working platform with EE rating for SMP&amp;SP</td>
<td>1 No.</td>
</tr>
<tr>
<td>02</td>
<td>SHAR VAST 2020 0 12842 E-Procurement [Public Tender - Two Part basis]</td>
<td>Fabrication and Supply of Fixtures for SLC</td>
<td>Lump Sum</td>
</tr>
<tr>
<td>04</td>
<td>SHAR/SPMETF/2019 0 12825 E-Procurement [Public Tender - Two Part basis]</td>
<td>CAMC for A/C plant control (DDC) systems</td>
<td>1 Lot</td>
</tr>
</tbody>
</table>

Last Date for downloading of tender documents : 20.04.2020 at 16:00 hrs.
Due Date for submission of bids online : 20.04.2020 at 16:00 hrs.
Due Date for Bid Sealing on : 20.04.2020 at 16:01 hrs. to 20.04.2020 at 17.30 hrs.
Due Date for Open Authorization : 20.04.2020 at 17.31 hrs. to 22.04.2020 at 17:00 hrs.
Due Date for opening of tenders : 24.04.2020 at 14:30 hrs.

Instructions to Tenderers:

Bids shall be submitted online through EGPS only and No tender fee shall be applicable.

01. For full details/scope of work and terms and conditions etc., please see the enclosed annexures.

02. Interested tenderers can download the e-tender from ISRO e-procurement website https://eprocure.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.

03. Tender documents are also available on ISRO website www.isro.gov.in ISRO e-procurement website https://eprocure.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 e-procurement portal only.

04. Quotations received after the due date/time will not be considered.

05. The tender documents are available for download upto 20.04.2020 at 1600 hrs. and last date for submission of tenders on line 20.04.2020 at 1600 hrs. and Tender Opening on 24.04.2020 at 14:30 hrs.

06. Interested vendors can attend the Bid opening sessions to know the details. Presence not mandatory to consider the quote for evaluation.

07. Sr. Head, Purchase and Stores, SDSC-SHAR, Sriharikota reserves the right to accept or reject any/or all the quotations.

DT: 13.03.2020
Sr. HEAD PURCHASE AND STORES
General Specifications

The indent includes fabrication, supply and erection of different categories of handling, tilting and assembly fixtures for processing SS1 segments, Igniters for SSLV Launch Complex. As all the handling system is designed for handling explosive items, extra care is required to be taken to fabricate all the items.

All the fabrication shall be strictly followed as per the drawing and specification provided in the respective annexure. All the items will be subjected to required tests as per the annexure/ specification.

This is a two Part Bid Tender, Part –I Technical and commercial terms part bid and Part-II Price bid.

Party has to submit as per the paragraph 1.0 in their Part –I Technical and commercial terms part bid. The bid which does not satisfy the pre-qualification criteria mentioned in paragraph 1.0, will not be considered for tender evaluation

Part-II Price bid: The prices applicable for the items, in response to this tender shall come into this part.

1.0 Tender Evaluation Criteria

Tenders will be evaluated after receipt of Techno Commercial Bids as per following criteria

- Parties having experience in Fabrication of similar items are only need to quote.
- As intended work is fabrication, parties must have executed similar work in ISRO/PSU/Government sector with completion certificate within last two years with following criteria
  - At least one PO having 20.00 lakhs or more
  - At least two PO’s having 10.00 lakhs or more
  - At least three PO’s having 8.00 lakhs or more
- Copies of PO have to be submitted along with quotation, without which offers will not be accepted.
• Parties should have necessary, professional and technical competence, financial resource, equipment and other physical facilities, managerial capability, experience and reputation and the personnel to perform the contract. Party should submit last two years balance sheet along with the offer.

• Parties should fulfill their obligations to pay taxes and other regulatory payments such as employee’s contributions to the national provident fund. Party should submit IT-returns for the last two years.

• As order cannot be split, combined lowest of (Sl No1,2,3 & 4) only will be considered for allotting the order.

Hence the parties are requested to furnish the details / acceptance of the above points. Accordingly tenders will be evaluated.

2.0 Earnest Money Deposit (Bid Security):

The tenderer has to submit an Earnest Money Deposit (EMD) for Rs. 1,50,000 Lakhs in a single installment through Demand Draft (DD)/ Banker’s Cheque/ Fixed Deposit Receipts or Bank Guarantee from any of the Scheduled Banks executed on non-judicial stamp paper of appropriate value. In case of Bank Guarantee, it shall be valid for a period of 45 days beyond the final tender validity date. It shall be taken in-favour of “Sr. Accounts Officer, SDSC SHAR” payable at State Bank of India, Sriharikota Branch. The bid will be disqualified if the EMD is not submitted along with the Techno-commercial Bid.
Annexure-1

SPECIFICATIONS FOR FABRICATION AND SUPPLY OF GROOVE SIDE SEGMENT INSPECTION FIXTURE

1.0 Scope

Fabrication, Painting and Supply of “Groove side inspection fixture” as per the specifications and the drawings enclosed.

<table>
<thead>
<tr>
<th>Si.No</th>
<th>Description</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>General Assembly of Groove side Inspection Fixture (MS/ HES) of SS1/SSLV</td>
<td>Nil</td>
</tr>
<tr>
<td></td>
<td>Drawing : 10-03-SSLV-07-016/A1</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Quantity Required : 1 Nos</strong></td>
<td></td>
</tr>
</tbody>
</table>

2 Fabrication and Materials:

1. Fabrication shall be carried out only as per the dimensions and tolerances indicated in the enclosed drawings and **no modifications are entertained** without the firm prior approval of the “Purchaser”. Successful bidder shall submit shop floor drawings for approval.

2. Unless otherwise specified, **general tolerances as per IS 2102** have to be followed.

3. Manufacturer’s test certificates for Chemical and Mechanical properties shall be produced for all the materials used in the fabrication.

4. Hardness test shall be carried out on the finished product in the presence of Purchaser or his Representative.

5. Detailed fabrication schedule indicating critical operation/inspection stages shall be submitted after receiving firm purchase order, for completion of the job within two months.

6. Minor modifications, if warranted, shall be accommodated by the supplier without any extra cost.
7. As Ø25mm hole has to match with the flight hardware, special care shall be taken while maintaining PCD of the bracket.

8. Party has to make one bracket and trail suit with the available hardware for PCD matching. After successful trail assembly remaining bracket shall be fabricated (part No:8 in page2/2).

3 Welding:
1. All welding shall be carried out as per standard welding procedures by qualified welders.
2. All weldments shall be DP tested for root run as well as for the final weld.
3. The manufacturer shall clearly specify the inspection scheme for all the individual systems.

4 Inspection:
1. The Purchaser or any person nominated by him shall have access and right to inspect the work spot and work, at all times, during the progress of the work. The inspection and supervision is for the purpose of assuring the purchaser that the plans and specifications are being properly executed. The purchaser or his representative will extend all desired assistance to the supplier in interpreting the plans and specifications. However such assistance shall not relieve the supplier of any responsibility for the work. Any work, which is proved faulty, shall be corrected by the supplier without delay.
2. All the items shall be inspected by the purchaser or his representative at the party’s site, before dispatching.

5 Painting:
1. After cleaning thoroughly, one coat of “inorganic zinc silicate” or “zinc rich epoxy” primer shall be applied.
2. Two coats of “Polyurethane enamel paint” having excellent resistance to UV radiation and abrasion finish paint shall be applied before despatch. The following brands are only acceptable.
   - GP Bond 141 of Grand Polycoats (aliphatic polyurethane)
   - Bergerthane enamel of Berger (Acrylic polyurethane)
   - Pentathane finish paint 4513 of Bombay Paints (Aliphatic isocyanate polyurethane)
   - MRF special finish, Metal coat (Glossy).

3. The painting shall be as per the following scheme.
   Structures: Blue Colour

4. All the machined surfaces & tapped holes shall be protected from corrosion by applying grease.

5. All the items shall be packed neatly to avoid any damage during transit / storage.

6 **Warrantees:**
   Supplier shall produce a *Warrantees* Certificate for the items for a period of 12 months from the date of supply and acceptance of material, against defective material and workmanship. Problems faced during the guarantee period due to the fabrication and manufacturing defects shall be solved by the supplier free of cost (including replacement of defective material, if required).

7 **Delivery Schedule:**
   1. Total quantity required: As mentioned in Si.No.1 above.
   2. Supply of these items shall be *within three months* from the date of receipt of the purchase order by the supplier.

8 **Payment terms:**
   90% payment shall be made within 30 days of receipt, acceptance and submission of PBG. Balance 10% payment shall be made after successful load test of the item at our site
Annexure-2
SPECIFICATIONS FOR FABRICATION AND SUPPLY OF SEGMENT JOINT SUPPORT STRUCTURE

2.0 Scope
Fabrication, Painting and Supply of following “Segment Joint Support Structure” as per the specifications and the drawings enclosed.

<table>
<thead>
<tr>
<th>Si.No</th>
<th>Description</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SSLV-Segment Joint Support Structure Drawing : 10-03-SSLV-07-023/A2</td>
<td>Quantity Required : 3 Nos</td>
</tr>
<tr>
<td>2</td>
<td>Interface Plate for Tongue –Side Drawing No: IFPTS-01</td>
<td>Quantity Required : 1 Nos</td>
</tr>
<tr>
<td>3</td>
<td>Interface Plate for Groove –Side Drawing No: IFPGS-01</td>
<td>Quantity Required : 1 Nos</td>
</tr>
</tbody>
</table>

9 Fabrication and Materials:
9. Fabrication shall be carried out only as per the dimensions and tolerances indicated in the enclosed drawings and no modifications are entertained without the firm prior approval of the “Purchaser”. Successful bidder shall submit shop floor drawings for approval.
10. Unless otherwise specified, general tolerances as per IS 2102 have to be followed.
11. Manufacturer’s test certificates for Chemical and Mechanical properties shall be produced for all the materials used in the fabrication.
12. Hardness test shall be carried out on the finished product in the presence of Purchaser or his Representative.
13. Detailed fabrication schedule indicating critical operation/inspection stages shall be submitted after receiving firm purchase order, for completion of the job within two months.
14. Minor modifications, if warranted, shall be accommodated by the supplier without any extra cost.

15. The item has to suit with Flight hardware, hence trial suiting of interfaces, if required can be carried out at VALF-SHAR.

16. The item will be tested using interface plate of Tongue side and groove side; hence this plate should match with the interface of support structure.

10 Welding:

4. All welding shall be carried out as per standard welding procedures by qualified welders.

5. All weldments shall be DP tested for root run as well as for the final weld.

6. The manufacturer shall clearly specify the inspection scheme for all the individual systems.

11 Inspection:

3. The Purchaser or any person nominated by him shall have access and right to inspect the work spot and work, at all times, during the progress of the work. The inspection and supervision is for the purpose of assuring the purchaser that the plans and specifications are being properly executed. The purchaser or his representative will extend all desired assistance to the supplier in interpreting the plans and specifications. However such assistance shall not relieve the supplier of any responsibility for the work. Any work, which is proved faulty, shall be corrected by the supplier without delay.

4. All the items shall be inspected by the purchaser or his representative at the party’s site, before dispatching.

12 Painting:

6. After cleaning thoroughly, one coat of “inorganic zinc silicate” or “zinc rich epoxy” primer shall be applied.
7. Two coats of “Polyurethane enamel paint” having excellent resistance to UV radiation and abrasion finish paint shall be applied before despatch. The following brands are only acceptable.
   - GP Bond 141 of Grand Polycoats (aliphatic polyurethane)
   - Bergerthane enamel of Berger (Acrylic polyurethane)
   - Pentathane finish paint 4513 of Bombay Paints (Aliphatic isocyanate polyurethane)
   - MRF special finish, Metal coat (Glossy).

8. The painting shall be as per the following scheme.
   Structures: Blue Colour

9. All the machined surfaces & tapped holes shall be protected from corrosion by applying grease.

10. All the items shall be packed neatly to avoid any damage during transit / storage.

13 **Warrantee:**

Supplier shall produce a **Warrantee** Certificate for the items for a period of 12 months from the date of supply, against defective material and workmanship. Problems faced during the guarantee period due to the fabrication and manufacturing defects shall be solved by the supplier free of cost (including replacement of defective material, if required).

14 **Delivery Schedule:**

1. Total quantity required: As mentioned in Si.No.1 above.
2. Supply of these items shall be within three months from the date of receipt of the purchase order by the supplier.

15 **Payment terms:**

90% payment shall be made within 30 days of receipt, acceptance and submission of PBG. Balance 10% payment shall be made after successful load test of the item at our site.
Annexure-3

SPECIFICATIONS FOR

FABRICATION AND SUPPLY OF TOP RING, BOTTOM RING AND TURN BUCKLES

1.0 Scope

Fabrication, Painting, and Supply of “TOP RING, BOTTOM RING AND TURN BUCKLES FOR SS1 NOZZLE ASSEMBLY” as per the specifications and the drawings enclosed.

<table>
<thead>
<tr>
<th>Si.No</th>
<th>Description</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Top ring, bottom ring and turn buckles for SS1 nozzle assembly</td>
<td>Nil</td>
</tr>
<tr>
<td></td>
<td>Drawing: 10-03-SSLV-07-010/A1</td>
<td></td>
</tr>
</tbody>
</table>

2 Fabrication and Materials:

2.1 Fabrication shall be carried out only as per the dimensions and tolerances indicated in the enclosed drawings and **no modifications are entertained** without the firm prior approval of the “Purchaser”. Successful bidder shall submit shop floor drawings for approval.

2.2 Unless otherwise specified, **general tolerances as per IS 2102** have to be followed.

2.3 Manufacturer’s test certificates for Chemical and Mechanical properties shall be produced for all the materials used in the fabrication.

2.4 Hardness test shall be carried out on the finished product in the presence of Purchaser or his Representative.

2.5 One screw from the each batch shall be tested for UTS in government approved lab.

2.6 PCD of the ring shall be ensured and should match exactly as per the drawing. Special care shall be taken for maintaining PCD of the ring.

2.7 As this fixture needs to be used for handling explosive items, special care shall be taken during fabrication and maintaining dimensional accuracy.

2.8 Detailed fabrication schedule indicating critical operation/ inspection stages shall be submitted after receiving firm purchase order, for completion of the job.
2.9 Minor modifications, if warranted, shall be accommodated by the supplier without any extra cost.

2.10 Trial suiting of interfaces, if required can be carried out at VALF - SHAR.

3 Welding:

3.1 All welding shall be carried out as per standard welding procedures by qualified welders.

3.2 All welds shall be **DP tested** for root run as well as for the final weld.

3.3 The manufacturer shall clearly specify the inspection scheme for all the individual systems.

4 Inspection:

4.1 The Purchaser or any person nominated by him shall have access and right to inspect the work spot and work, at all times, during the progress of the work. The inspection and supervision is for the purpose of assuring the purchaser that the plans and specifications are being properly executed. The purchaser or his representative will extend all desired assistance to the supplier in interpreting the plans and specifications. However such assistance shall not relieve the supplier of any responsibility for the work. Any work, which is proved faulty, shall be corrected by the supplier without delay.

4.2 All the items shall be inspected by the purchaser or his representative at the party’s site, before dispatching.

5 Painting:

5.1 After cleaning thoroughly, one coat of “inorganic zinc silicate” or “zinc rich epoxy” primer shall be applied.

5.2 Two coats of “Polyurethane enamel paint” having excellent resistance to UV radiation and abrasion finish paint shall be applied before dispatch. The following brands are only acceptable.

   • GP Bond 141 of Grand Polycot’s (aliphatic polyurethane)
   • Bergerthane enamel of Berger (Acrylic polyurethane)
   • Pentathane finish paint 4513 of Bombay Paints (Aliphatic isocyanate polyurethane)
   • MRF special finish, Metal coat (Glossy).

5.3 The painting shall be as per the following scheme.
Top ring: Blue
Bottom Ring: Orange

All the machined surfaces & tapped holes shall be protected from corrosion by applying grease.

5.4 All the items shall be packed neatly to avoid any damage during transit / storage.

6 Warrantee
Supplier shall produce a Warrantee Certificate for the items for a period of 12 months from the date of supply, against defective material and workmanship. Problems faced during the guarantee period due to the fabrication and manufacturing defects shall be solved by the supplier free of cost (including replacement of defective material, if required).

7 Delivery Schedule:
7.1 Supply of the item shall be within three months from the date of receipt of the purchase order by the supplier.

8 Payment terms:
90% payment shall be made within 30 days of receipt, acceptance and submission of PBG. Balance 10% payment shall be made after successful load test of the item at our site.
**Annexure-4**

**SPECIFICATIONS FOR FABRICATION AND SUPPLY OF SS1 Igniter, SS2 AND SS3 NOZZLE HANDLING FIXTURES**

### 1.0 Scope

Fabrication, Painting and Supply of following “**SS1 Igniter, SS2 and SS3 nozzle handling fixtures**” as per the specifications and the drawings enclosed.

<table>
<thead>
<tr>
<th>Si.No</th>
<th>Description</th>
<th>Colour</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>SS1 Igniter Related</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Horizontal Handling Tackle for SS1 Igniter</td>
<td>Blue</td>
<td>Nil</td>
</tr>
<tr>
<td></td>
<td>Drawing No: 10-03-SSLV-07-28/A1</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Quantity: 1no</td>
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<td></td>
</tr>
<tr>
<td>2</td>
<td>General Assembly of SS1 Igniter Storage saddle</td>
<td>Blue</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Drawing No: 10-03-SSLV-07-27/A1/R1</td>
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<tr>
<td></td>
<td>Quantity: 1no</td>
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<td></td>
</tr>
<tr>
<td>3</td>
<td>General Assembly of SS1 Igniter And Tilting frame with Tilting Stand</td>
<td>Blue</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Drawing No: 10-03-SSLV-07-038/A1</td>
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<tr>
<td></td>
<td>Quantity: 1no</td>
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<tr>
<td>4</td>
<td>Transportation fixture for SS1 Igniter</td>
<td>Orange</td>
<td>Nil</td>
</tr>
<tr>
<td></td>
<td>Drawing No: 10-03-SSLV-07-31/A2/R1</td>
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<tr>
<td></td>
<td>Quantity: 1no</td>
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<td></td>
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<tr>
<td>5</td>
<td>Vertical handling tackle for SS1</td>
<td>Orange</td>
<td>Nil</td>
</tr>
<tr>
<td></td>
<td>Drawing No: 10-03-SSLV-07-30/A3/R1</td>
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<td></td>
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<tr>
<td></td>
<td>Quantity: 1no</td>
<td></td>
<td></td>
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<tr>
<td>6</td>
<td>Storage Stand for SS1 Igniter</td>
<td>Blue</td>
<td>Nil</td>
</tr>
<tr>
<td></td>
<td>Drawing No: 10-03-SSLV-07-29/A3/R1</td>
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</tr>
<tr>
<td></td>
<td>Quantity: 1no</td>
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<td></td>
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<tr>
<td>7</td>
<td>SS1 Igniter Assembly Platform</td>
<td>Blue</td>
<td>Nil</td>
</tr>
<tr>
<td></td>
<td>Drawing No: 10-05-01-436-S01/A1/R1</td>
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<tr>
<td></td>
<td><strong>SS2 Nozzle Related</strong></td>
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<tr>
<td>8</td>
<td>SS2 Nozzle Horizontal Handling Tackle</td>
<td>Blue</td>
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<td>Drawing No: 10-03-SSLV-07-020/A1</td>
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<td></td>
<td>Quantity: 1no</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Nozzle Tilting System for HPS3 and SS2 Motor</td>
<td>Orange</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Drawing No: 10-03-SSLV-07-15/A1</td>
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<td></td>
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<tr>
<td></td>
<td>Quantity: 1no</td>
<td></td>
<td></td>
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<tr>
<td>10</td>
<td>SS2/SSLV Nozzle Tilting Systems</td>
<td>Orange</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Drawing No: 10-03-SSLV-07-14/A1/R1</td>
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<tr>
<td></td>
<td>Quantity: 1no</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>SS3 nozzle Handling related</strong></td>
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</tbody>
</table>
| 11 | **SS3 Nozzle Horizontal Handling Tackle (for Flight)**  
   | Drawing No: 10-03-SSLV-07-034/A1  
   | Quantity Required: 1no  
   | Orange | Ni |
| 12 | **SS3 Nozzle Vertical Lifting & Tilting system**  
   | Drawing No: 10-03-SSLV-07-36/A1  
   | Quantity Required :2Nos  
   | Orange | Nil |

### 2.0 Fabrication and Materials:

1. Fabrication shall be carried out only as per the dimensions and tolerances indicated in the enclosed drawings and **no modifications are entertained** without the firm prior approval of the “Purchaser”. Successful bidder shall submit shop floor drawings for approval.

2. Unless otherwise specified, **general tolerances as per IS 2102** have to be followed.

3. Manufacturer’s test certificates for Chemical and Mechanical properties shall be produced for all the materials used in the fabrication.

4. Detailed fabrication schedule indicating critical operation/inspection stages shall be submitted after receiving firm purchase order, for completion of the job within two months.

5. Minor modifications, if warranted, shall be accommodated by the supplier without any extra cost.

6. Trial suiting of interfaces, if required can be carried out at VALF-SHAR.

### 3.0 Welding:

1. All weldings shall be carried out as per standard welding procedures by qualified welders.
2. All weldments shall be **DP tested** for root run as well as for the final weld after fabrication at your site and after load test at our site (SDSC-SHAR).

3. The manufacturer shall clearly specify the inspection scheme for all the individual systems.

### 4.0 Inspection:

1. The Purchaser or any person nominated by him shall have access and right to inspect the work spot and work, at all times, during the progress of the work. The inspection and supervision is for the purpose of assuring the purchaser that the plans and specifications are being properly executed. The purchaser or his representative will extend all desired assistance to the supplier in interpreting the plans and specifications. However such assistance shall not relieve the supplier of any responsibility for the work. Any work, which is proved faulty, shall be corrected by the supplier without delay.

2. All the items shall be inspected by the purchaser or his representative at the party’s site, before dispatching.

### 5.0 Painting:

1. After cleaning thoroughly, one coat of “inorganic zinc silicate” or “zinc rich epoxy” primer shall be applied.

2. Two coats of “Polyurethane enamel paint” having excellent resistance to UV radiation and abrasion finish paint shall be applied before despatch. The following brands are only acceptable.
   - GP Bond 141 of Grand Polycoats (aliphatic polyurethane)
   - Bergerthane enamel of Berger (Acrylic polyurethane)
   - Pentathane finish paint 4513 of Bombay Paints (Aliphatic isocyanate polyurethane)
   - MRF special finish, Metal coat (Glossy).

3. The painting shall be as per the following scheme.
4. All the machined surfaces & tapped holes shall be protected from corrosion by applying grease.
5. All the items shall be packed neatly to avoid any damage during transit / storage.

6.0 Warrantee:
Supplier shall produce a Warrantee Certificate for the items for a period of 12 months from the date of supply, against defective material and workmanship. Problems faced during the guarantee period due to the fabrication and manufacturing defects shall be solved by the supplier free of cost (including replacement of defective material, if required).

7.0 Delivery Schedule:
Supply of these items shall be within three months from the date of receipt of the purchase order by the supplier.

8.0 Payment terms:
90% payment shall be made within 30 days of receipt, acceptance and submission of PBG. Balance 10% payment shall be made after successful load test of the item at our site.
NOTE
1. ALL THE WELDS ARE OF 3mm SIZE FILLET UNLESS OTHERWISE SPECIFIED.
2. ALL WELDS ARE TO BE DPT TREATED FOR ROOT AND FINAL PASSES TO ENSURE THE WELD QUALITY.
3. APPROVED PAINTING SCHEME SHALL BE FOLLOWED AS PER THE PURCHASE ORDER.
4. CHECK THE STATUS OF THE DRAWING BEFORE FABRICATION/MACHINING.
NOTE
1. ALL THE WELDS ARE OF 3mm SIZE FILLET UNLESS OTHERWISE SPECIFIED.
2. ALL WELDS ARE TO BE DP TESTED FOR ROOT AND FINAL PASSES TO ENSURE THE WELD QUALITY.
3. APPROVED PAINTING SCHEME SHALL BE FOLLOWED AS PER THE PURCHASE ORDER.
4. CHECK THE STATUS OF THE DRAWING BEFORE FABRICATION/MACHINING.
5. IT IS SUGGESTED TO USE THROUGH HOLES AS IGNITER FOR HANDLING PURPOSE.

<table>
<thead>
<tr>
<th>S.NO</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
<th>QTY</th>
<th>W.T</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>BASE PLATE 177 x 73 x 10Thk</td>
<td>IS-2062 (Gr-B)</td>
<td>2</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>PLATE 470 x 472 x 10Thk</td>
<td>IS-2062 (Gr-B)</td>
<td>1</td>
<td>11</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>M12 SOCKET HEAD SCREW 20Lg</td>
<td>IS-2062 (Gr-B)</td>
<td>4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SWL - 100Kg
TOTAL WEIGHT - 13Kg (Approx)

R1: MODIFIED AS PER USER REQUIREMENT DATE 22/06/2019

SCEND&ASG
VERTICAL HANDLING TACKLE
FOR SS1 IGNITER 2CR FACILITY OF VALF

SHAR CENTRAL DESIGNS & ADVANCED SYSTEMS GROUP
SATISH DHawan SPACE CENTRE SHAR
1:5
SIRMAVOTA

SCALE 1:5
DRG. NO. 10-03-SSLV-07-30/A3/R1

Sheet 1 of 1

SCEND/CHANDU/SUREKHA/AC261/A3
1. All dimensions shown are the finished dimensions.
2. All welds are of 3 mm sized fillet unless otherwise specified.
3. All welds are to be OP tested for root and PA welds.
4. Check the status of the drawing before starting fabrication.

NOTE:

GENERAL ASSEMBLY OF SS1 IGNITER AND TILTING FRAME WITH TILTING STAND FOR 2CR FACILITY, VAF

TC NO

TOTAL WEIGHT: 138 Kg

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>TILTING FRAME</td>
<td>-</td>
</tr>
<tr>
<td>TILTING STAND FOR TILTING OF IGNITER</td>
<td>-</td>
</tr>
</tbody>
</table>

SCENDEASG

SHAR CENTRAL DESIGNS & ADVANCED SYSTEMS GROUP

SATISH DAKSHINAMURTI CENTRE, SHAR

DELHI/2003/2003

FOR DISCUSSION: 10-03-2003

FOR TENDER: 10-03-2003

FOR FABRICATION: 10-03-2003

W.D.: 1.07

1.0

1/10

0.25
1. Part-1, 2 & 3 shall be welded.
2. Material: MS
3. All welds are of 6mm size fillet.
4. All the welds are to be tested for root and final pass.

Note:
STANDARD TERMS & CONDITIONS

1. OFFERS SHALL BE SENT ONLINE ONLY USING STANDARD DIGITAL SIGNATURE CERTIFICATE OF CLASS III WITH ENCRYPTION / DECRYPTION. THE TENDERS AUTHORISED ONLINE ON OR BEFORE THE OPEN AUTHORISATION DATE AND TIME ONLY WILL BE CONSIDERED AS VALID TENDERS EVEN THOUGH THE BIDS ARE SUBMITTED ONLINE.

2. THE TENDERER MUST AUTHORISE BID OPENING WITHIN THE TIME STIPULATED IN THE SCHEDULE BY SDSC SHAR. OTHERWISE THE ONLINE BID SUBMITTED WILL NOT BE CONSIDERED FOR EVALUATION. PHYSICAL COPY WILL NOT BE CONSIDERED EVEN THOUGH IT IS RECEIVED BEFORE THE BID SUBMISSION DATE.

In case of two-part tenders, parties shall submit their offers as follows:-

1) Part-I – Techno-commercial Bid
   (No price details shall be mentioned in this bid and shall not upload the details of price along with the techno-commercial bid)

2) Part-II – Price Bid
   In view of Two Part Tender, the Offers submitted contrary to above instructions will be summarily rejected.

3. In case, the tenderer is not interested to participate in the tender, the tenderer shall submit regret letter giving reasons, failing which future enquiries will not be sent.

4. Offer Validity: The validity of the offers / tenders should be 90 days (in case of single part tender) and 120 days (in case two part tender) from the date of opening of the tenders. Tenders with offer validity less than the period mentioned above, will not be considered for evaluation.

5. GST – GST and/or other duties/levies legally leviable and intended to be claimed should be distinctly shown separately in the tender. GST details are given below
   GSTIN: 37AAAGS1366J1Z1
   LEGAL NAME: SATISH DHAWAN SPACE CENTRE SHAR
   VALIDITY FROM: 29/08/2017
   TYPE OF REGISTRATION: REGULAR

6. Customs Duty - SDSC-SHAR is eligible for 100% Customs Duty exemption as per Notification No. 050/2017 539 (b) DT: 30.06.2017. This may be taken into account while quoting for import items, if any.
   In case tenderers offering items considering customs duty exemption, they should also indicate the bill of materials and price, separately, with Customs Duty component and terms and conditions thereto.

8. Advance Payment - Wherever advance payment is requested, Bank Guarantee from any Nationalized Bank/Scheduled Bank should be furnished. In case of advance payments, if the party is not supplying the material within the delivery schedule, interest will be levied as per the Prime Lending Rate of RBI plus 2% penal interest.
   Interest will be loaded for advance payments/stage payments as per the prime lending rate of RBI and will be added to the landed cost for comparison purpose. In case of different milestone payments submitted by the parties, a standard and transparent methodology like NPV will be adopted for evaluating the offers.

9. Liquidated Damages - In all cases, delivery schedule indicated in the Purchase Order/Contract is the essence of the contract and if the party fails to deliver the material within the delivery schedule, Liquidated Damages will be levied @ 0.5% per week or part thereof subject to a maximum of 10% of total order value.

10. Performance Bank Guarantee - Performance Bank Guarantee for 10% of the order value should be furnished in the form of Bank Guarantee from nationalized/scheduled bank or by Demand Draft valid till warranty period plus sixty days as claim period.
11. Security Deposit – Security Deposit for 10% of the order value is mandatory, if the ordered value is Rs.5.00 lakhs and above. Party shall furnish the Security Deposit in the form of Bank Guarantee from nationalized/scheduled bank or by Demand Draft valid till completion of the contract period plus sixty days towards claim period for faithful execution of the contract.

12. Bank Guarantee for FIM: Supplier has to submit Bank guarantee for equal value of Free Issue of Materials (FIM) issued by the Department from Nationalised / Scheduled Bank valid till receipt and acceptance of supply and satisfactory accounting of FIM plus sixty days as claim period.

13. The delivery period mentioned in the tender enquiry, IF ANY, is with the stipulation that no credit will be given for earlier deliveries and offers with delivery beyond the period will be treated as unresponsive.

14. The Department will have the option to consider more than one source of supply and final orders will be given accordingly.

15. The bidders should note that conditional discounts would not have edge in the evaluation process of tenders.


17. Wherever installation/commissioning involved, the guarantee/warranty period shall reckon only from the date of installation and commissioning.

18. 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.

19. The drawings, specifications, end use etc., given by the Centre/Unit along with the tender enquiry are confidential and shall not be disclosed to any third party.

20. Special Conditions for Submitting Quotations in Foreign Currency by the Indian Agents

The Tenderer should submit the following documents/information while quoting:

a) Foreign Principal's proforma invoice/quote indicating the commission payable to the Indian Agent and nature of after sales service to be rendered by the Indian Agent.

b) Copy of Agency agreement with the Foreign Principal and the Indian Agent, precise relationship between them and their mutual interest in the business.

c) Registration and item empanelment of the Indian Agent.

d) Agency Commission will be paid only Indian Currency.

e) Compliance of the tax laws by the Indian Agent.

21. High Sea Sales – Against High Sea Sale transactions:

a. Offers shall be on all inclusive basis including delivery upto Sriharikota at the risk and cost of the supplier. Customs Clearance is the responsibility of the supplier and at his cost and risk.

b. 100% payment will be made within 30 days after receipt and acceptance of the items at our site.

c. GST as applicable

d. Customs Duty Exemption Certificate and other relevant documents required for Customs clearance will be provided.

e. High Sea Sale Agreement furnished by the supplier in accordance with the terms and conditions of our purchase order will be signed and issued by SDSC-SHAR.

22. The following information/documents are to be submitted wherever applicable.

1. Product Literature

2. Core banking account number of SBI, RTGS Details

3. PAN No. in quotation and invoices

4. GST Registration details.

5. In case of MSME, registration details/documents from Competent Authority.

23. Exclusion of Tenders

The following tenders shall be summarily rejected from the procurement process:

a. Tenders received from vendors who have not qualified in terms of their registration.

b. Tenders received against publishing of a limited tender in the CPP portal.

c. Tenders of vendors who have been removed from the vendor list or banned/debarred from having business dealings.

d. Unsolicited tenders from vendors.

e. The tenders which materially depart from the requirements specified in the tender document or which contain false information.

f. The tenders which are not accompanied by the prescribed Earnest Money Deposit.

g. The tenders of vendors who have not agreed to furnish Security Deposit, Performance Bank Guarantee and Liquidated Damages.

h. The validity of the tenders is shorter than the period specified in the tender enquiry.

i. The tenders received from vendors or their agents or anyone acting on their behalf, who have promised or given to any official of the Centre/Unit/Department, a gratification in any form, or anything of value, so as to unduly influence the procurement process.

j. The tenders received from vendors, who, in the opinion of the Centre/Unit, have a conflict of interest materially affecting fair competition.
k. The tenders received from Indian agents on behalf of their foreign Principals/OEMs (in cases where the Principals/OEMs also submit their tenders simultaneously for the same item/product in the same tender).

l. In case two or more tenders are received from an Indian agent on behalf of more than one foreign Principal/OEM, in the same tender for the same item/product.

m. If a firm quotes 'NIL' charges / consideration, the bid shall be treated as un-responsive and will not be considered.