Ref: DRHR /KS/ENQ/2017/

Sub: Minor Fabrication - Invitation of Quotation.

Fabrication and supply of subassemblies for sweeping mechanism

Dear Sir,

Quotations are invited for the minor fabrication job: Fabrication and supply of subassemblies for sweeping mechanism as per specifications in Annexure-1.

Bidder shall quote for fabrication of these components as per the enclosed specifications with suitable manpower of his own.

1. Taxes, other charges, if any, shall be quoted separately.
2. The quotation must reach Head, DRHR, BARC by 18th September, 2017 and must be sent in a sealed envelope superscribed with the reference number & the due date given above.
3. The address on the envelope should read:

   Director, Reactor Design and Development Group
   and Head, DRHR,
   BARC, Trombay, Mumbai - 400 085.
   (Attn. : Kamal Sharma, SO/D)

4. Head, DRHR, BARC reserves the right to accept / reject any or all quotations without assigning any reason.
5. Incomplete offer / offer received after the due date shall not be considered.
6. Quotations should be preferably neatly typed and corrections are not acceptable.
7. Quotation received in computer-generated form shall not be acceptable. Quotation must be submitted in printed letterhead, mentioning clearly GST registration No., PAN No. & Service Tax Registration No. Submission of challan and Invoice shall also comply the same, in case, work order is placed.

Encl.:
   1. Annexure -1 as mentioned above
   2. Drawing A0-DRHR/SWR/100
Annexure-1
Technical Specifications for Manufacture, Assembly and Supply of Mild Steel Structure Sub-Assembly (Qty: 1 Unit), Aluminium Extruded Square Section Sub-Assembly (Qty : 1 Unit), Aluminium Cover Sub-Assembly (Qty : 1 Unit), Brush Mounting Sub-Assembly (Qty : 1 Unit) and Trash Collecting Bin Sub-Assembly (Qty : 1 Unit)

The following components are to be manufactured and standard components have to be supplied by the supplier, and assembled as per the drawing:

A) Mild Steel Structure Sub-Assembly
(As per Drawing: A0-DRHR/SWR/100- M S STRUCTURE SUB ASSY. #1)

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Part Name</th>
<th>Material</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Black color powder coated Angle-25x25x3 THK-12 m. LG.</td>
<td>Mild Steel</td>
<td>15 Kg.</td>
</tr>
<tr>
<td>2.</td>
<td>Black color powder coated Flat-30x3 THK-4.5 m. LG</td>
<td>Mild Steel</td>
<td>5 Kg.</td>
</tr>
</tbody>
</table>

B) Aluminium Extruded Square Section Sub-Assembly
(As per Drawing: A0-DRHR/SWR/100- AL. EXTRUDED SECTION SUB ASSY. #2)

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Part Name</th>
<th>Material</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Extruded Sq. Section 30x30-20 m. LG.</td>
<td>Al. 6063</td>
<td>20 m.</td>
</tr>
<tr>
<td>2.</td>
<td>L-Type Connectors for Al. Extruded Section</td>
<td>Standard</td>
<td>110 Nos.</td>
</tr>
</tbody>
</table>

C) Aluminium Cover Sub-Assembly
(As per Drawing: A0-DRHR/SWR/100- AL. COVER SUB ASSY. #3)

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Part Name</th>
<th>Material</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Blue color powder coated Sheet-2 THK-4.5 sq.m. Area</td>
<td>Al. 6064</td>
<td>25 Kg.</td>
</tr>
</tbody>
</table>

D) Brush Mounting Sub-Assembly
(As per Drawing: A0-DRHR/SWR/100- BRUSH MOUNTING SUB ASSY. # 4)

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Part Name</th>
<th>Material</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Plate 10 THK-550Lx500Wx10Thk.-2 Nos.</td>
<td>Al. 6064</td>
<td>15 Kg.</td>
</tr>
<tr>
<td>2.</td>
<td>Sweeping Brushes 360Lx180W</td>
<td>Standard</td>
<td>7 Nos.</td>
</tr>
</tbody>
</table>
E) Trash Collecting Bin Sub-Assembly
(As per Drawing: A0-DRHR/SWR/100- TRASH COLLECTING BIN SUB ASSY. # 5)

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Part Name</th>
<th>Material</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Blue color powder coated Sheet-2 THK-1.0 sq.m.</td>
<td>Al. 6064</td>
<td>5.6 Kg.</td>
</tr>
</tbody>
</table>

Note:

1. Raw Material for all the components and the required hardware will be provided by the supplier.

2. Quality surveillance, inspection and inspection report:

2.1 All work covered by the specification shall be subjected to quality surveillance by the purchaser or his authorized representative for which purpose the manufacturer shall allow access at all reasonable times during manufacture to:
   a) The premises in which work is being carried out.
   b) The drawings and / or tooling involved.
   c) Gauge, instruments etc required for inspecting the work.

2.2 Inspection and tests shall be carried out by the fabricator as per the requirements detailed in the drawings and these specifications.

2.3 Components found unsatisfactory as to workmanship or material shall be removed by the fabricator and replaced by components, which are satisfactory.

2.4 The manufacturer shall use materials as specified by the purchaser and submit to the purchaser the material test certificate for his approval.

2.5 The finished components shall not be dispatched prior to approval by our engineer at bidder's works.

3. Delivery:

The bidder shall deliver the finished components, after approval by our engineer, within 6 weeks from the date the firm work order is issued to the bidder.

a) Any delay, which is attributable to the contractor is liable for a penalty @ ½ % per week (max. 5%) to be imposed on the contractor.

b) In case any extension in delivery is to be granted to the contractor, party’s request for extension may be called for before expiry of the work order. The same may be justified by the Division, whether extension granted is with or without the levy of liquidated damages.

4. Sub-contract:

The manufacturer shall not sub-contract any or all the work without written consent from the purchaser. The fabricator shall be responsible to the purchaser for all work the sub-contractor of the fabricator, if allowed by the purchaser.

Director, RD&DG and Head, DRHR,
BARC, Trombay.
AL. EXTRUDED SQ. SECTION 30x30 (TYPICAL)

AL. EXTRUDED SECTION
L' CONNECTORS - 100 Nos.

ITEM NO.    NO.    SR.    M.S. FLAT-30x3Thk-4.5 m.LG.
1           2           3               M.S. 1

M.S. ANGLE-25x25x3 Thk-12 m.LG. 1

ASSY.NO. REMARKSDRAWING NO.QTY.MATERIALDESCRIPTION
1           2           3               M.S. 1

A0-DRHR/SWR/100 1-SWEEPING ROBOT SUB. ASSYS.

ASSY.NO. REMARKSDRAWING NO.QTY.MATERIALDESCRIPTION
1           2           3               M.S. 1

BILL OF MATERIAL

#1 AL. EXTRUDED SQ. SECTION 30x30 (TYPICAL)

#2 AL. EXTRUDED SECTION
L' CONNECTORS - 100 Nos.

ITEM NO.    NO.    SR.    M.S. FLAT-30x3Thk-4.5 m.LG.
1           2           3               M.S. 1

M.S. ANGLE-25x25x3 Thk-12 m.LG. 1

ASSY.NO. REMARKSDRAWING NO.QTY.MATERIALDESCRIPTION
1           2           3               M.S. 1

A0-DRHR/SWR/100 1-SWEEPING ROBOT SUB. ASSYS.