Government of India  
Bhabha Atomic Research Centre  
Multidisciplinary Research Group  
Applied Physics Division

Ref: APD/CB/MF/19/AC/367/OPA-199482  
24/10/2019

Sub: “Fabrication, Inspection & Supply of Trigger Mounting Assembly along with associated accessories” as per given drawings and specifications

Due Date: 03rd NOVEMBER, 2019

Dear Sirs,

1. Quotations are invited for the minor fabrication job, as per the enclosed specifications and drawings.
2. Bidder shall quote for fabrication of these components with material.
3. Bidder shall take out an insurance policy in favor of BARC for any free issue material supplied.
4. Taxes shall be quoted separately. Form H shall be provided where necessary.
5. The quotations must reach Head, Applied Physics Division on or before the due date referred above and must be sent in a sealed envelope super scribed with the above reference number and due date.
6. The address on the envelope should read:

   The Head,  
   Applied Physics Division, PURNIMA LABS,  
   Bhabha Atomic Research Centre  
   Trombay, Mumbai - 400 085.  
   Attn: Mr. Ankur Chowdhury

7. The fabrication work shall be subject to inspection by our representative. The finished components shall not be dispatched prior to approval by our representative at the bidder's works. Necessary inspection facilities should be provided to our engineers during fabrication at bidder's premises.
8. The bidder shall deliver the finished components after approval by our representative, within 45 days from the date of the firm purchase order issued to the bidder. The finished components shall be delivered by the bidder at Applied Physics Division, Purnima Laboratory, (Near Plutonium Plant), Bhabha Atomic Research Centre, Trombay, Mumbai-400 085.
9. Head, Applied Physics Division, BARC, reserves the right to accept/reject any or all quotations without assigning any reason.
10. Payment will be made by cheque only after satisfactory completion of work on production of bill, delivery challan and advance stamped receipt. It may be noted that IT @ 2% and surcharge on tax at 15% shall be deducted from your bills.
11. Job will be guaranteed against material and manufacturing defects for 1 year from the date of supply.

(Mr. Ankur Chowdhury)  
For and on behalf of  
Head, Applied Physics Division
Design, Fabrication, Testing and Inspection of Trigger Mounting Assembly and associated accessories

This job includes the design, drawing approval, fabrication, testing and inspection, safe dispatch and delivery of a Trigger Mounting Assembly and associated accessories. For maintenance of structural integrity, the fabricator needs to be well versed in the radiographic testing procedures for inspection of cracks in plastic materials. All materials to be used during fabrication needs to be procured by the fabricator. The concerned party should also have an experience of fabrication of pulse power, high current components.

The drawings for the assembly and various parts therein have been attached with this specification sheet. However, if certain changes are required by the fabricator, it is mandatory for the fabricator to attach their amended drawings and design before fabrication based on their knowledge and experience to the concerned BARC representative. Their suggested drawings and design needs to be approved by the concerned BARC representative before incorporation into fabrication.

A few points regarding the fabrication are summed up in the following points:

1. All essential fasteners (nuts and bolts) need to be supplied by the fabricator. Bolts must be of SS 304 Allen head type (unless otherwise specified).
2. Mirror finish must be ensured in all mentioned parts. Geometric tolerance need to be strictly adhered.
3. Acceptance of the items is subject to on-site inspection of indentor. Failure to adhere to these specifications may lead to rejection and cancellation of the job.
4. All Parts should be cleaned and buffed before delivery.
5. All details and instructions mentioned in the part and assembly drawings need to be strictly adhered.
6. Additional accessories:
   a) 50 mm long, 10 mm wide SS strips of thickness: 1 mm (12 nos.), 2 mm (12 nos.), 3 mm (8 nos.), 4 mm (4 nos.) and 5 mm (4 nos.).
   b) 180 degree rotation, lockable PU swivel wheels for Assembly 1 to bear a weight of 1 ton. To be welded to the assembly.
M6 Thru. Tap, 20 nos.

M8 Thru. Tap, 5 nos.

NOTE:
1) All dimensions are in mm.
2) Rough and Deburr edges.

4 nos.  MS black powder coated  Part 1
NOTE:
1) All dimensions are in mm.
2) Rough and Deburr edges.

M8 Thru. Tap, 5 nos.

M6 Thru. Tap, 12 nos.

4 nos. MS (black powder coated) Part 1.2
M6 Thru. Tap, 24 nos.

M6 Thru. Tap, 24 nos.

M8 Thru. Tap, 2 nos.

NOTE:
1) All dimensions are in mm.
2) Rough and Deburr edges.

Part 1.3

4 nos. MS (black powder coated)
M8 Thru. Tap, 4 nos.

NOTE:
1) All dimensions are in mm.
2) Rough and Deburr edges.

MATERIAL: MS (black powder coated)

PART: Part 1.4

QUANTITY: 2 nos.
NOTE:
1) All dimensions are in mm.
2) Rough and Deburr edges.

2 nos. UHMW Nylon Part 1.5
NOTE:
1) All dimensions are in mm.
2) Rough and Deburr edges.

Part 1.6

QUANTITY: 2 nos.
MATERIAL: UHMW Nylon
DWG NO.:
NOTE:
1) All dimensions are in mm.
2) Rough and Deburr edges.

2 Nos. UHMW Nylon PART 1.7
NOTE:
1) All dimensions are in mm.
2) Rough and Deburr edges.
NOTE:
4 NOS. OF PU swivel wheels with 180 degree rotation and a total weight bearing capacity of 1000 kg to be provided.

Stud arrangement for resting of assembly on the floor also to be provided.
NOTE:
1) All dimensions are in mm,
2) Rough and deburr edges.
NOTE:
1) All dimensions are in mm,
2) Rough and deburr edges.

**Part 2.2**

**QUANTITY:** 2 Nos.  
**MATERIAL:** Brass  
**DWG NO.:**
NOTE:
1) All dimensions are in mm,
2) Rough and deburr edges.

Ø4.2 Thru. holes, 2 nos.
NOTE:
1) All dimensions are in mm,
2) Rough and deburr edges.
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<td>4</td>
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2 Nos. -- Assembly 2

MATERIAL: DWG NO.

Assembly 2