



GOVERNMENT OF INDIA
BHABHA ATOMIC RESEARCH CENTRE
INTEGRATED FUEL FABRICATION FACILITY
TROMBAY, MUMBAI – 400 085.

Ref: IF3/AMD/19/169697

Date: - 03 / 09 / 2019

Dear Sir/ Madam..

Sub: Fabrication and supply of Aluminum Trolleys.

Dear Sir/ Madam,

For & on behalf of The President of India your sealed quotation on printed letter head of your company is invited for "Fabrication and supply of Aluminum Trolleys". The scope of work, technical requirements and general terms & conditions are as per enclosed specifications.

Your offer in sealed envelope should be addressed to:

HEAD, INTEGRATED FUEL FABRICATION FACILITY
Attn.: Shri. A. M. Dave
Scientific Assistant (F)
Integrated Fuel Fabrication Facility
BARC, Mumbai. - 400 085.

Duly marked with above reference no. & due date 27-09-2019 on the envelope and reach us by 27-09-2019 by 17:00 hrs.

- Encl: 1. Technical Specifications.
2. Sketch of Trolley.

A.M. Dave
3/9/19
(A. M. Dave)
SA/F, IF3

S. Jana
03/9/19
(S Jana)
SO/F, IF3

For & on behalf of President of India

Technical Specifications

1. Scope of work:

Specifications of Aluminum Trolleys Required Quantity of Trolleys: 10 Nos.

- 1.1 Trolleys shall be fabricated as per enclosed drawing and technical specifications.
- 1.2 For fabrication of Trolleys, materials such as SS sheets, Pipe and Aluminum Extrusion, C-Holders, T-nuts, brackets, closing profiles, end caps etc. as required shall be used of good quality. Only SS fasteners shall be use.
- 1.3 Fabrication shall be of superior quality and meeting all requirements w.r.t. dimensions, tolerances, surface finish, etc mentioned in the drawing. Notes given in the drawing shall be strictly followed.
- 1.4 All joints of SS Top of the trolley shall be made by welding unless specified otherwise. Welding involved in the fabrication of the trolleys shall be of superior quality and it shall be checked / confirmed by Liquid Penetrant Testing for absence of linear defect. Weld joints shall be ground finish from both inside and outside.
- 1.5 Top sheet of the trolleys shall be made of SS 304 material of thickness 1.6 mm. It should have buffed surface finish and no dents or scratches are permitted.
- 1.6 All corners are to be rounded. No sharp edges are permitted.
- 1.7 All Aluminum Extrusion and fittings of good strength and good quality shall be used. Extrusion size of not less than 45X45 mm shall be use.
- 1.8 Trolleys are meant for transportation of trays mentioned earlier. For pushing and pulling of trolleys detachable handle shall be provided as shown in the drawing.
- 1.9 4 nos. of trays shall be stacked in each trolley and transported. To prevent the trays from falling off the trolleys, 1 no. of locking strip (as per drawing) is provided on two length sides of the trolley.
- 1.10 Provision for locking of trays inside the trolleys shall be made by providing locks at the top ends of the locking strips.
- 1.11 Trolley identification shall be done by using engraved number plate tack welded to side of the trolley as shown in the drawing.
- 1.12 All trolleys shall be identical and interchangeable. The height of each trolley shall be within 1 mm of each other so that they can be abutted together to form a flat surface.
- 1.13 Trolleys are meant for storage and transportation of trays and other articles. Total weight bearing capacity of each trolley shall be 1000 kilograms (approx.).
- 1.14 4 nos. of castor wheels shall be used for each trolley and each castor wheel shall have a load bearing capacity of 500 kilograms. All four castor wheels in each trolley shall rotate freely and two wheels at one end should have locking facility.
- 1.15 The trolleys are meant for both indoor and outdoor movement. Hence heavy duty wear resistant castor wheels shall be used in the trolleys. Wheel with Sealed bearing shall be used.
- 1.16 Trolleys shall have adequate strength and other mechanical properties so that they can withstand different loads and resist bending or distortion.

2. **Terms & Conditions:**

- 2.1 No Free Issue Material (FIM) shall be issued to the supplier by the purchaser for carrying out the work.
- 2.2 Only new & accepted material shall be used for the fabrication of trolleys. The purchaser may ask for the material test certificate of any raw material used in the fabrication of the items.
- 2.3 The supplier shall fabricate 1 no. of Trolley and get approval from the purchaser regarding their acceptability. Only after written approval of the purchaser the supplier shall proceed with the fabrication of the remaining quantity of trolleys.
- 2.4 **Pre-dispatch inspection** of the trolleys shall be carried out by the purchaser at supplier's site.
- 2.5 Only when the assent of the purchaser for the delivery of the finished items is received, then the items shall be suitably packed, to prevent any damage during transportation, and delivered to the purchaser's site.
- 2.6 Before final packing prior to dispatch and delivery of the finished items, the items shall be cleaned so that no dirt, grease or any other stains are present on the surface of the trays.
- 2.7 **1-year guarantee** for quality of material including brought out items, manufacturing & welding and workmanship shall be provided by the supplier for all the items procured through this work order. If during this guarantee period any item is found to be defective or fails to perform the function it is meant for, then it shall be repaired or replaced with a new one.
- 2.8 All work pertaining to fabrication of trolleys shall be performed by the supplier and no help or assistance of any sort shall be extended from purchaser's side.
- 2.9 Supplier shall agree to **accept minor changes** in connection with the fabrication of trolleys and the same shall be communicated prior to starting of actual fabrication.
- 2.10 **Income tax @ 2%** of amount of bill and surcharge on IT & education cess as applicable shall be deducted at source.
- 2.11 **GST @ 5%** shall be paid since these goods are to be supplied against the work order meant for research purpose of a research organization under DAE; the necessary GST exemption certificate will be issued.
- 2.12 Supplier will have to submit undertaking stating that GST has been promptly deposited with the authority (copy of blank under taking will be provided at the time of placing work order).
- 2.13 **Payment** will be arranged after satisfactory completion of work and on production of, a) Bills in triplicate, b) Advanced stamped receipt, c) Warranty/ Guarantee Certificate. Advance, Part Payment or against delivery cannot be made.
- 2.14 **Any delay** which is attributed to the supplier is liable for penalty @ ½ % per week (Max 5%) to be imposed on supplier.
- 2.15 To enter BARC premises persons are required to have Police Verification Certificate (PVC). Suppliers are requested to get PVC of their persons who are expected to come for work inside BARC.
- 2.16 Supplier has to **deliver all Trolley** to Stores Officer, Zonal Stores, South Site, BARC, Trombay, Mumbai 400 085 without any damages.
- 2.17 **Delivery period** shall be **4 months** from date of placement of order.

3. **Confidentiality Clause:-**

i. **Confidentiality:-**

No party shall disclose any information to any third party concerning the matters under this contract generally. In particular, any information identified as "Proprietary" in nature by the disclosing party shall be kept strictly confidentially by the receiving party and shall not be disclosed to any third party without the prior written consent of the original disclosing party.

This clause shall apply to the sub-contractors, consultants, advisers or the employees engaged by a party with equal force.

ii. **"Restricted information" categories under Section 18 of the Atomic Energy Act 1962 and "Official Secrets" under Section 5 of the Official Secrets Act 1923. :-**

Any contravention of the above-mentioned provisions by any contractor, sub-contractor, consultant adviser or the employees of a contractor will invite penal consequences under the aforesaid legislation.

iii. **Prohibition against use of BARC's name without permission for publicity purposes.**

The contractor or sub-contractor, consultant, adviser or the employees engaged by the contractor shall not use BARC's name for any publicity purpose through any public media like Press, T.V. or Internet without the prior written approval of BARC.

Note to Participating Vendors: -

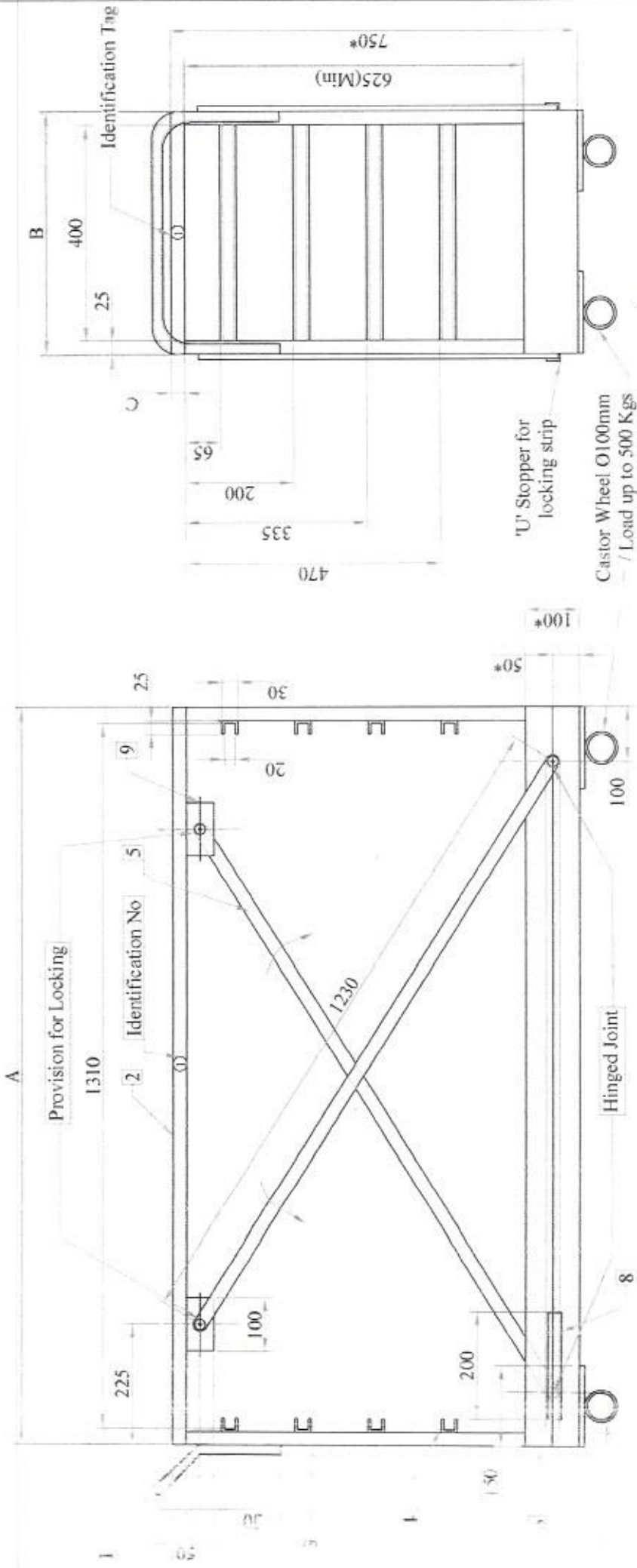
- 1) Your sealed offer (not stapled) super scribed with our reference number & date, due date & subject to be addressed to as mentioned and must reach us on or before due date & time as mentioned.
- 2) **Offers are to be sent via SPEED POST or REGISTERED POST only. Offers received via courier, hand delivery, email & fax etc. are not accepted.**
- 3) Quotations are to be in printed letter head (not computer-generated format) and must be neatly type written/printed. Quotation format should consist of PAN & GSTN of the firm. Quotations that are received in computer generated form are to be considered as invalid & rejected.
- 4) Experience: - Vendor shall mention in offer document regarding their past experience in working with any BARC/DAE unit and carrying out of similar jobs. A declaration is expected in offer document in this regard.
- 5) Facility: - Vendor must have required machinery and tools, qualified & experienced staff, clean & ample workshop premises & other infrastructure for execution of the work. A declaration regarding facilitates shall be mentioned in offer document. Customer's representative may physically assess vendor's facility for vendor evaluation.
- 6) Quantities mentioned in the enquiry are tentative and may vary as per the requirements of the purchaser at the time of placing purchase order.

Department reserves the right to execute the order partially or cancel the work proposal all together without assigning any reason to external agencies.

- 7) Pricing: - Offer pricing shall be on per piece basis and must be valid for entire duration of contract. Offered cost shall be for the entire scope of work pertaining to vendor.
- 8) Taxes & Duties: - Any taxes and duties to be levied over and above offered price must be mentioned clearly in offer document.
- 9) Offer validity: - Offer must be valid at least for a period of 90 days from date of submission of offer document.
- 10) Suppliers are requested to return the drawing(s) (hard copy) or destroy (soft copy) even if they are not offering the quotation.
- 11) There may be minor changes in some dimensions in the drawing and these changes shall be informed by purchaser well in advance of fabrication, when required. Vendor shall agree to accept those changes in drawings.
- 12) Any terms & conditions could not be met by vendor shall be clearly mentioned in the offer document.
- 13) Vendor shall provide details of Aluminum extrusion in the offer document.
- 14) Offer shall contain followings preferably in sequence (As shown in table): - price per piece basis, applicable taxes #, packing & forwarding #, delivery charges #, validity of offer, delivery period, experience, facilities, any other terms and condition etc (# if any).

Sr. No.	Job Description		
		Rate	Total
1	Fabrication and Supply of Aluminum Trolleys (Quantity- 10 nos.)	A	AX10=Y
2	Total cost		Y
3	GST @18%/ @ 5%		
4	P & F Charges		
5	Delivery charges		
6	Inspection charges		
7	Gross		
8	Offer Validity:		
9	Delivery Period:		
10	Experience:		
11	Facilities:		
12	Any other terms and conditions:		
13.	Details of Al Extrusion:		

A. M. Dave
3/9/19.
(A. M. Dave)
SA/F, IF3



Handwritten note: 11/16/88

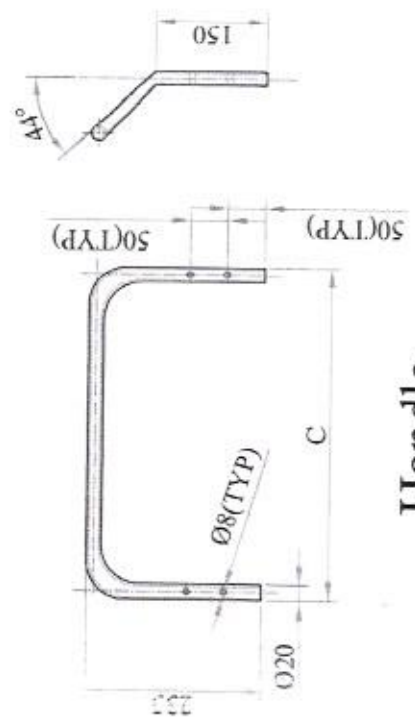
'U' Stopper for locking strip
 Castor Wheel Ø100mm / Load up to 500 Kgs

TROLLEY

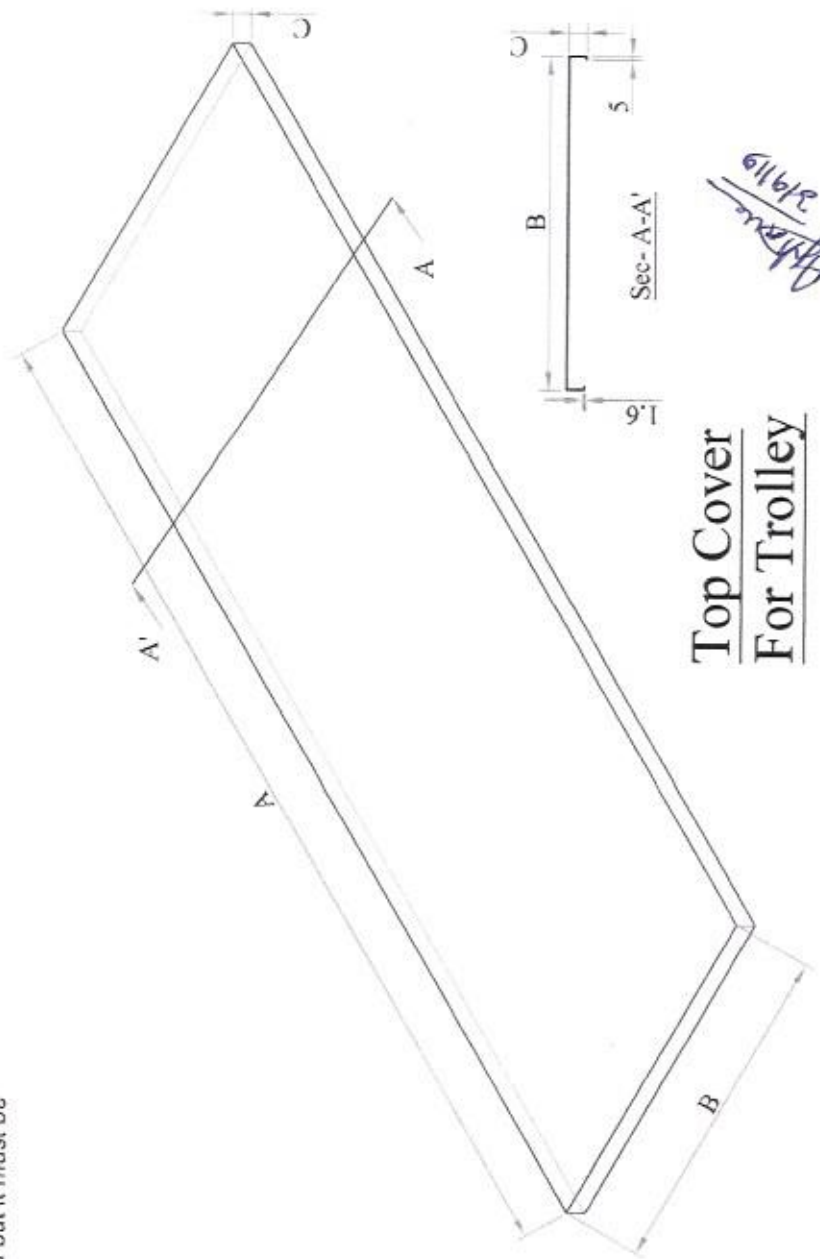
Notes:

- 1) All Welds are to be grounded.
- 2) SS Top Cover and Handle should be buffed and should have Glossy finish. All corner of the Top should be TIG Welded and ground finish.
- 3) SS Top cover should be detachable.
- 4) Aluminum Extrusion shall be of good quality.
- 5) All Castor wheel should be free rotating and should have locking facility.
- 6) All Castor wheels should have load capacity of 500 kgs.
- 7) Trolley Identification tag should be fixed two side of each trolley as shown in the drawing. Each trolley to be serially numbered.
- 8) All the given dimensions shall be within the tolerance limits of ± 1 mm.
- 9) Bending or deviation in straightness of all the surfaces shall be less than 3 mm in 1000 mm and 1 mm in 300 mm.
- 10) Dimension A, B and C will be as per the Aluminum Section used.
- 11) * marked Dimension will be as per the Aluminum Extrusion used but it must be similar for all Trolleys.
- 12) 'U' stopper and locking plate shall be fastened rigidly.
- 13) All material must be fresh and unused.
- 14) In case of ambiguity/conflict please ask.
- 15) 'C' should be equal to size of Aluminum Extrusion CS.

List of Material			
Item No	Description	Size(mm)	Material
1	Handle	$\varnothing 20 \times 1.6$ thk section	SS 304
2	Top Cover	'A' X 'B' X 'C' X 1.6 thk	SS 304
3	Aluminium Extrusion	Min 45 X 45 CS	Al
4	C Channel	30X25X5 thk X 'B'	SS 304
5	Locking Strip	1230X25X5 thk	SS 304
6	Aluminium Extrusion	Min 90 X 45 CS	Al
7	Castor Wheel	$\varnothing 100$ for Load up to 500 kgs. (Sealed Bearing and rotating with locking)	Standard
8	'U' Stopper	25X25X3 thkX200 L	SS
9	Locking Plate	100X50X5 thk	SS



Handle For Trolley



Top Cover For Trolley