



GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
BHABHA ATOMIC RESEARCH CENTRE
VISA KHAPATNAM



Computational Analysis Division

Ref: CAD/HEDM/WO/IND/22-23/08

Date: 14/07/2022

Subject: Notice inviting tender for;

“Fabrication, supply and installation of Light and Medium duty MS structures.” (See Annexure-I).

1. Quotations are invited for minor fabrication job as per details described below.
2. **Scope of work:** See details in Annexure-I.
3. **General guidelines for submitting tender**
 - You shall send your offer in a **sealed envelope** indicating delivery period, price inclusive of taxes and other relevant information by speed post to:
Head,
MPSS, Computational Analysis Division
Bhabha Atomic Research Centre
Village: Maduturu (Sub: P.O.)
Near Nagavaram Junction,
Gajuwaka-Yellamanchilli Highway
Atchutapuram, Visakhapatnam
Andhra Pradesh- 531011
(Kind Attention: Rahulnath P.P., SO/D,CAD, 0891-283-2149/ 8985875318)
 - Quotation shall reach us on/or before **28/07/2022 by Speed Post/Courier/ Only.**
 - On top left corner of the envelope please indicate
Quotation for– **“Fabrication, supply and installation of Light and Medium duty MS structures”** And due date 28/07/2022
 - Overwriting, scratching etc. must be avoided in the quotation. Rewriting the whole figure shall carry out any alteration in the figure. The authorized person from the firm shall countersign such figure.
 - The delivery period mentioned in the quotation shall be strictly adhered to. If the contractor fails to supply and secure extension of delivery date before effecting delivery of the supply against the contract, acceptance of such item by the purchaser will in no way prejudice the right of the purchaser to levy liquidated damage nor will it be entitled to the contractor for payment of statutory levies that comes into force after the expiry of the delivery date.
 - Minimum Guarantee/Warranty period of the material and workmanship shall be **One Year.**
 - **Supplier shall mention clearly the PAN /TAN no. on quotation.**
 - **GST number shall be clearly mentioned on Quotation.**
 - All the charges and taxes shall be mentioned clearly.
Please note that BARC being an R&D institution, GST rates are as follows
 - For Intra-state Supply of Goods: @ 2.5% SGST + 2.5% CGST
 - For Inter-state Supply of Goods: @ 5.0% IGST
 - **GST exemption certificate shall be issued to the supplier.****(This is as per Office Order No. BARC/GST/12/2017 dt. 27.12.2017)**
 - You may contact us for any clarification before **28/07/2022** (Shri. Rahulnath P.P., 0891-2832149,8985875318, rahulnath@barc.gov.in)

4. **Rates:**

As per Scope of Work.

5. **Place of Delivery/Work:**

Address: PEB-04,CAD, Bhabha Atomic Research Centre, Near Nagavaram Junction, Gajuwaka-Yellamanchilli Highway, Maduturu PO, Visakhapatnam, Andhra Pradesh- 531011.

5. **PAYMENT TERMS:**

1. Part payment/Advance or against delivery cannot be made.
2. Payment will be made only after satisfactory completion of work and on production of (along with Delivery Challan):
 - i. Bill/Invoice containing Location of supply, separate tax components along with PAN and GSTN numbers.
 - ii. Advance Stamped Receipt.
 - iii. Bank Account No, Bank and Branch name with IFSC code.
 - iv. Undertaking stating that GST has been promptly deposited with the authorities
3. It may be noted that:
 - i. Income tax @2% will be deducted from your bill.
 - ii. TDS (under GST) will be deducted as applicable from your bill of taxable goods and/or services, where the total value of such supply exceeds 2.50lakh.
 - iii. Declaration confirming filing of Income Tax Return from immediate two preceding years, in accordance with Section 206 AB of the Income Tax Act 1961, has to be submitted in the prescribed proforma along with necessary acknowledgements in support of declaration. In case the aforesaid declaration is not submitted, TDS/TCS shall be deducted at higher rates as instructed under the provisions of Income Tax Act.

6. **CONFIDENTIALITY CLAUSE:**

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 confidential 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.

"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.

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 medial like press, radio, T.V. or Internet without the prior written approval of BARC.



(Rahulnath P.P.)

SO/D, CAD

Phone: 0891-2832149,

Email: rahulnath@barc.gov.in

Scope of work**Fabrication, supply and installation of Light and Medium duty MS structures**

The following items are to be fabricated, supplied and installed;

Sl. No.	Item	Drawing No.	Quantity	Scope
01	Medium duty MS structure	01	01	Supply & Installation
02	Grid Holding table	02	01	Supply & Installation
03	Granite surface Mounting table with granite plate	03	01	Supply & Installation
04	Bread Board Table	04	01	Supply & Installation

Other drawings:

Sl. No.	Item	Drawing No.	Quantity	Scope
05	MS Plate*	05	01	Installation
06	Assembly of Medium duty MS structure	06	01Set	Installation

*MS plate (Drg.No.5) is available in the purchaser's site. This needs to be installed on to the Medium duty MS structure. Final Assembly is given in drg.No.6.

Items to be fabricated**1. Medium duty MS structure: 01No.(Drg.No.1)**

- a. Material: MS
- b. Overall size: 2000(L)x535(W)x640mm(H).
- c. Main structure has to be made of square tube of size 75x75x6mm.
- d. Side supports are to be made of square tube of size 50x50x4.5mm.
- e. Proper welded joints have to be made.
- f. For side 'X' support, joint has to be made by 4 square pipes each of length equal to half the diagonal size.
- g. Bottom plates of 200x200x20mm are to be attached to structure. 4 holes of 12.2mm have to be made as shown in drawing no.1.
- h. Surface level of the bottom and top surface of structure has to be ensured within 1.0mm over 2m. Surface gauges are to be used for measurement purpose.
- i. At the top surface of stand, 10mm thick and 75mm width MS plate has to be welded along top surfaces of all 4 MS square pipes.
- j. After all welding procedures, planar milling has to be done on top MS plates for ensuring straightness within 0.1mm.
- k. Slots of width length 40mm and width 6.1mm are to be provided at 170mm distance as mentioned in the drawing.
- l. Powder coating has to be done on the stand, Except the MS strips at the top.

2. Grid Holding table (Drg.No.2) -quantity: 01No.

- a. MS plate of 8mm thickness with 140mm height and 130mm width with gap of 50mm at centre with holes of 7mm 3 on each side (Qty: 04 no's)

- b. MS plate of 8mm thickness with 70mm height and 200mm width with gap of 120mm at centre with holes of 7mm 2 on each side (Qty: 04 no's)
 - c. MS plates of 140mm height 02 no's to be welded at a distance of 300mm and another MS plates of 70mm height 02 no's to be welded at a distance of 200mm.
 - d. The above 4 plates to be welded on a base MS plate with dimensions 400mm X 300mm X 5mm thick.
 - e. MS angles for vertical support with dimensions 50mm X 50mm X 545mm X 5mm thickness. (04 no's)
 - f. MS angles for horizontal support with dimensions 360mm 04 no's and 260mm 04 no's.
 - g. MS sheet to be welded at top of the vertical angle bars with dimensions 300mm X 200mm X 5mm thickness.
 - h. Wheels to be provided at bottom of the base plate with dimensions 80mm X 80mm X 5mm thick and total weight approx. 500Kg and height of the wheel should be 100mm. Two rotational wheels and two wheels with brakes. Total Quantity 04no's.
- 3. Granite surface mounting table (Drg. No.10) -quantity: 01No.**
- a. MS angles for vertical support with dimensions 50mm X 50mm X 545mm X 5mm thickness. (04 no's)
 - b. MS angles for horizontal support with dimensions 410mm 04 no's and 210mm 04 no's.
 - c. MS sheet to be welded at top of the vertical angle bars with dimensions 410mm X 210mm X 5mm thickness.
 - d. Wheels to be provided at bottom of the base plate with dimensions 80mm X 80mm X 5mm thick and total weight approx. 500Kg and height of the wheel should be 100mm. Two rotational wheels and two wheels with brakes. Total Quantity 04no's.
 - e. Powder coating should be done to the MS platform.
 - f. Granite plate of 400x200x50mm is to be supplied along with the table, attached to top surface.
- 4. Bread board table (Drg. No.4) -quantity: 01No.**
- a. MS square pipes for vertical support with dimensions 40mm X 40mm X 480mm (LBH). Thickness is 5mm.
 - b. MS square pipes for horizontal support with dimensions 40mm X 40mm X 420mm & 320mm (02no's each).
 - c. MS flat strip should be welded on top of the vertical support with dimensions 75mm X 500mm X 10mm thick.
 - d. Cylindrical Roller Thrust bearings has to be welded on flat strip with quantity 04 no's. Bearings Dimensions (Diameter 60mm X 30mm X 18mm thick).
 - e. MS Coupler has to be welded above the bearing. Coupler should have internal threading of 25mm with 1.5mm pitch. Coupler should be welded with four MS rods at 90⁰ each as a handle for rotating it. Coupler quantity required 04no's.
 - f. MS studs with 25mm diameter of 4no's with 1.5mm pitch external threading to be welded at bottom surface of MS flat plate with dimensions 500mm X 300mm X 10mm thick.
 - g. MS angle bars 50mm X 50mm X 5mm thick should be welded at top surface of MS plate with rectangular dimensions 415mm X 215mm.

- h. Wheels to be provided at bottom of the base plate with dimensions 80mm X 80mm X 15mm thick and total weight approx. 1 Ton and height of the wheel should be 100mm. Two rotational wheels and two wheels with brakes. Total Quantity 04no's.
- i. Powder coating should be done to the MS platform.

Installation

1. MS plate of size 2000x600x28mm has to be installed on to the Medium duty MS stand.
2. M20 high carbon bolts (Approx.30nos.) are to be welded on to the stand top portion to facilitate installation of MS plate.
3. On-site welding and installation is mandatory.
4. All other stands/tables are to be assembled to the existing systems at purchaser's side.
5. Qualified fitters are to be deputed by the vendor for the installation purpose.
6. **All fasteners (SS-Bolts, Nut and washer etc)** are to be supplied by the vendor.
7. Necessary tools for installation purpose are to be brought by the vendor.
8. Loading/unloading of materials is under the scope of supplier.
9. All safety measures (Helmets, gloves, goggles, safety shoes etc.) must be taken by fitters during installation.

GENERAL REQUIREMENTS:


- a) The vendors are encouraged to hold prior discussions with the indenter for any clarifications.
- b) Finished products should be delivered to the address given below.

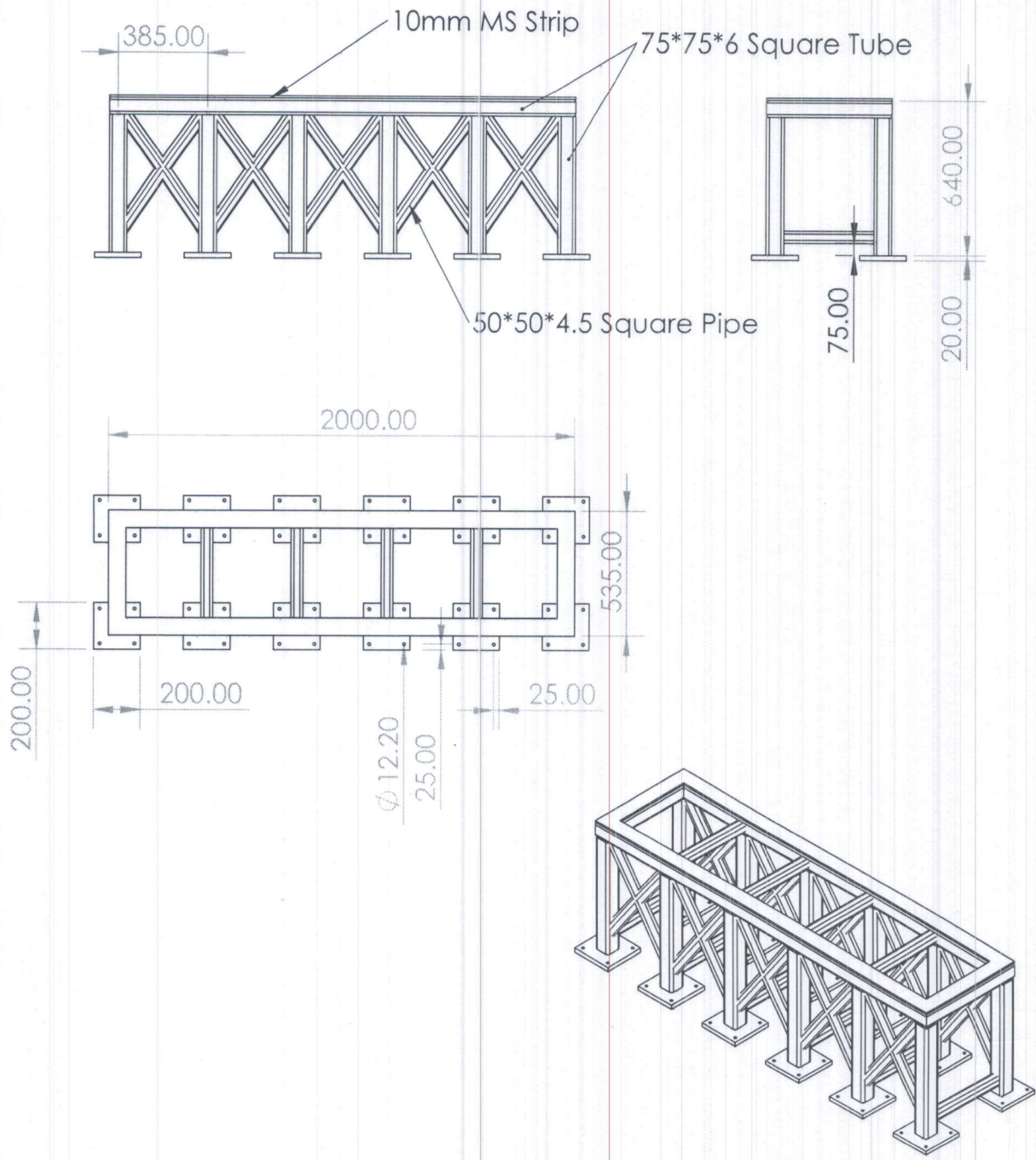
Address:

"Stores Officer, Bhabha Atomic Research Center, Near Nagavaram Junction, Nagavaram-Atchutapuram Highway, Visakhapatnam, Andhra Pradesh- 531011"

- c) The cost of transportation/delivery if any should be mentioned in the quotation.
- d) It is mandatory to **mention prices of each item separately.**
- e) Single order will be placed for all the above items and no partial work is permitted.
- f) Minimum Guarantee/**Warranty period** of the raw material and workmanship shall be **One Year.**
- g) **Contact Persons:**

a) **Shri. Rahulnath P.P.,** Computational Analysis Division, BARC
Contact details: rahulnath@barc.gov.in
Phone: 0891-283-2149, 8985875318


(Rahulnath P.P.)
SO/D, CAD



Medium Duty MS Structure

DRG. No.:01

All dimensions are in mm

Quantity:01

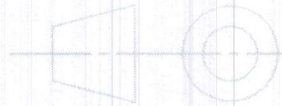
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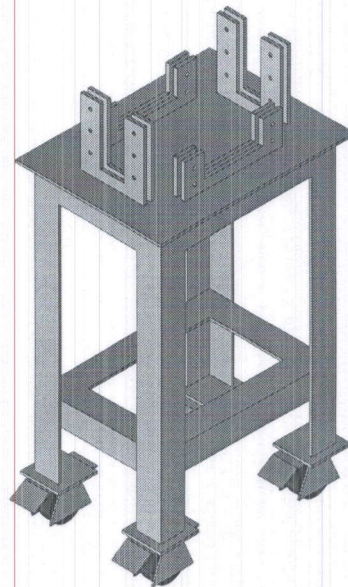
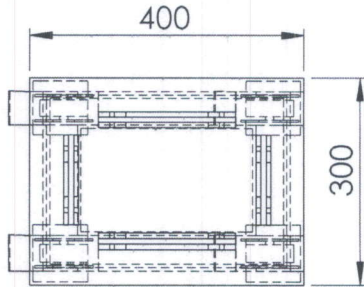
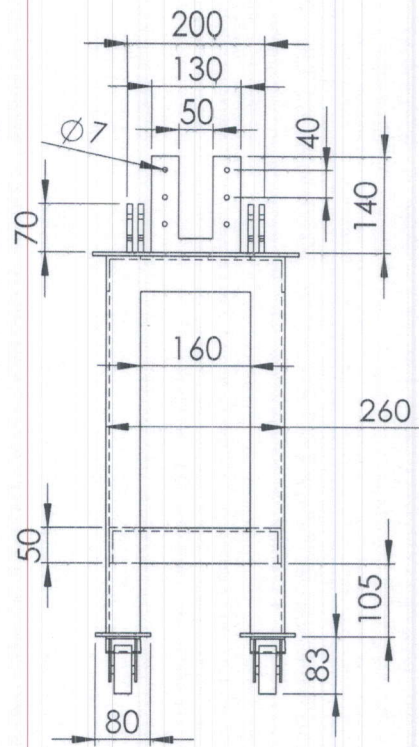
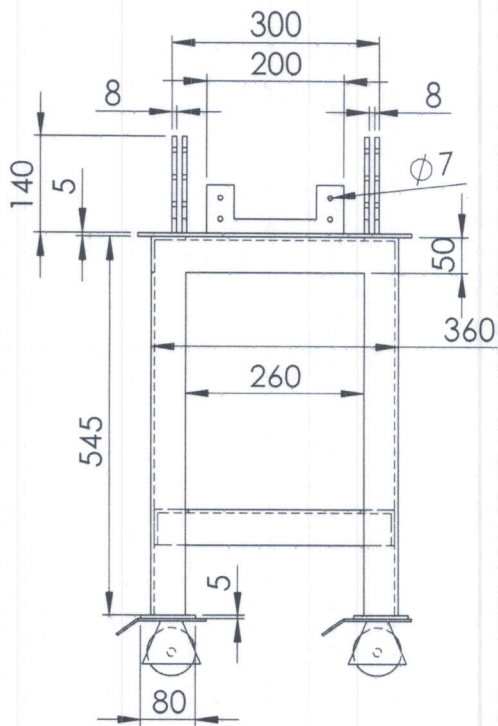
Material:MS

DATE:14/07/2022

MF:22-23/08

NAME & Sign.:Rahulnath





Grid Holding Table

DRG.No:02

All dimensions are in mm

Quantity:01 No.

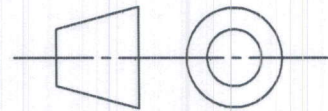
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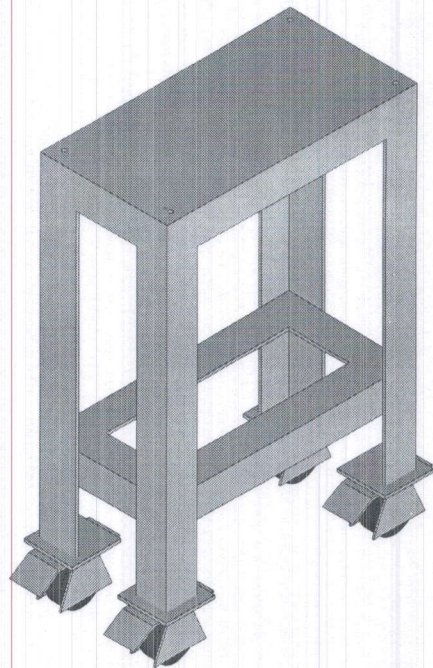
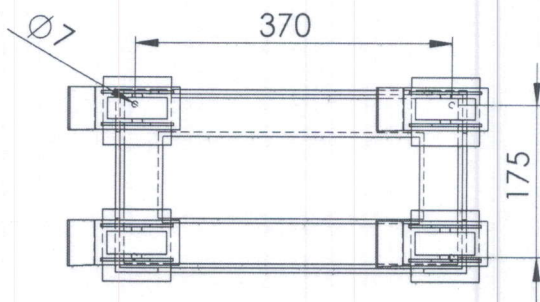
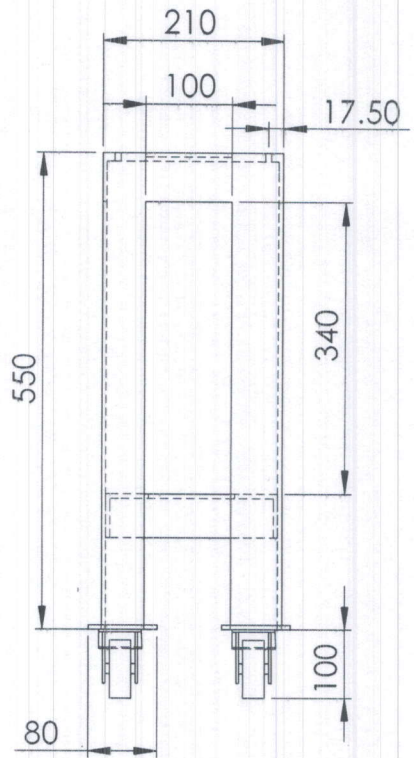
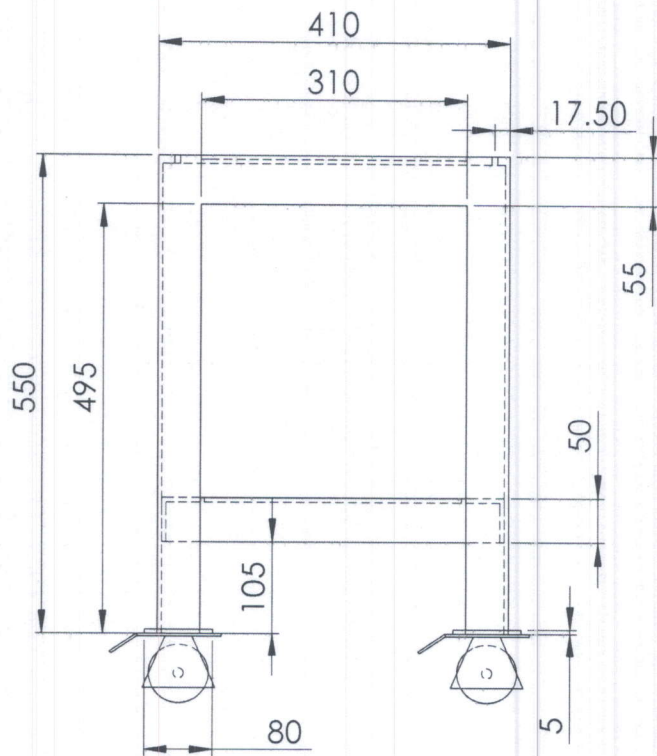
Material: MS

DATE:14/07/2022

MF: 22-23/08

NAME & Sign:Rahulnath.P.P





Granite Surface Mounting Table

DRG. No:03

All dimensions are in mm

Quantity:01No.

SCALE:1:8

Material:MS

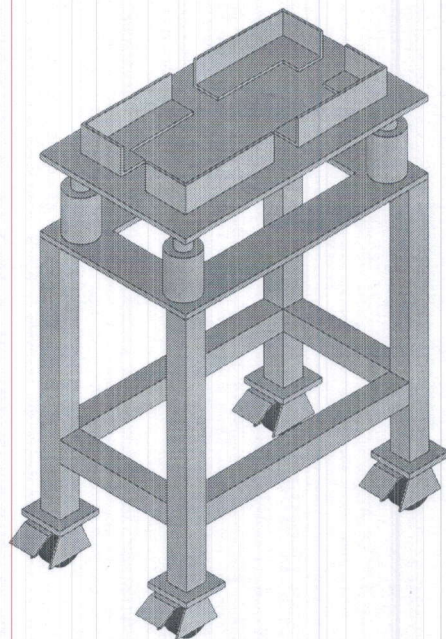
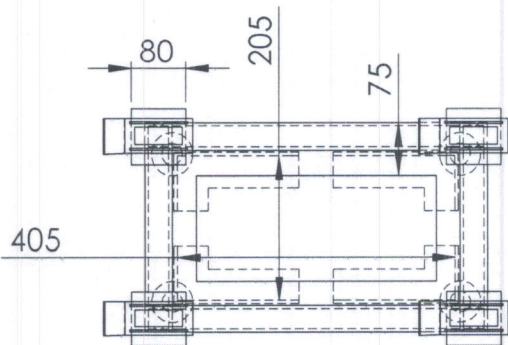
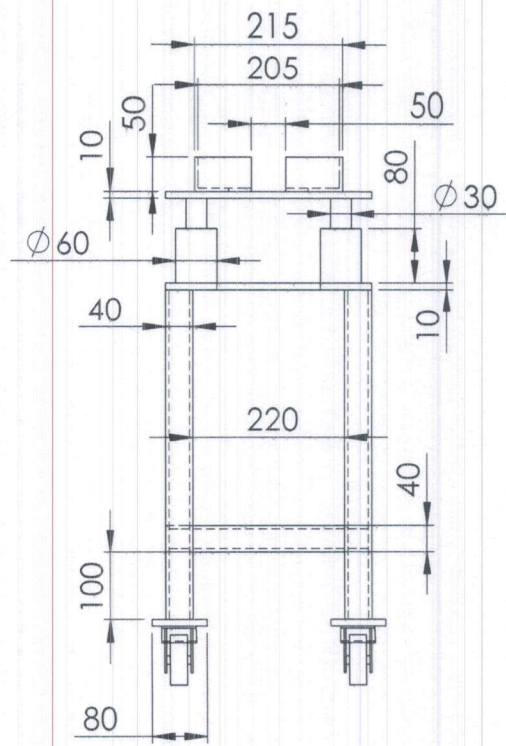
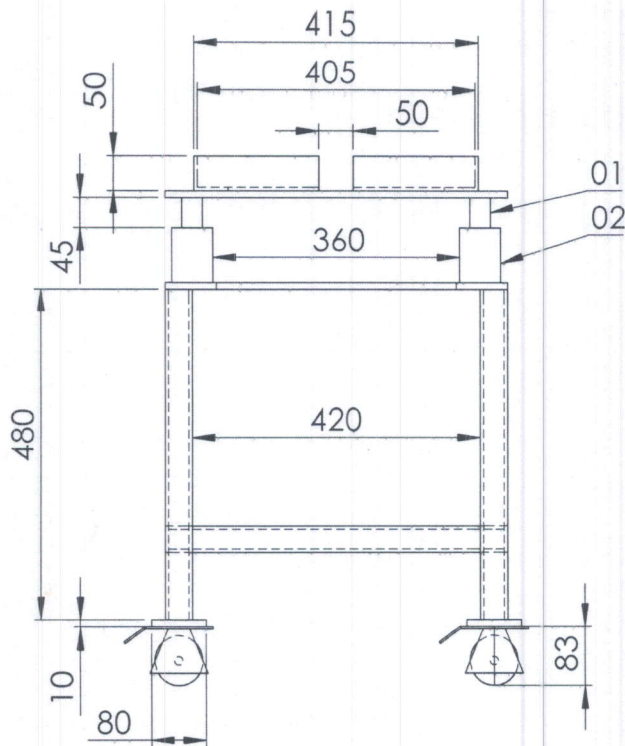
DATE:14/07/2022

MF:22-23/08

NAME & Sign:Rahulnath.P.P



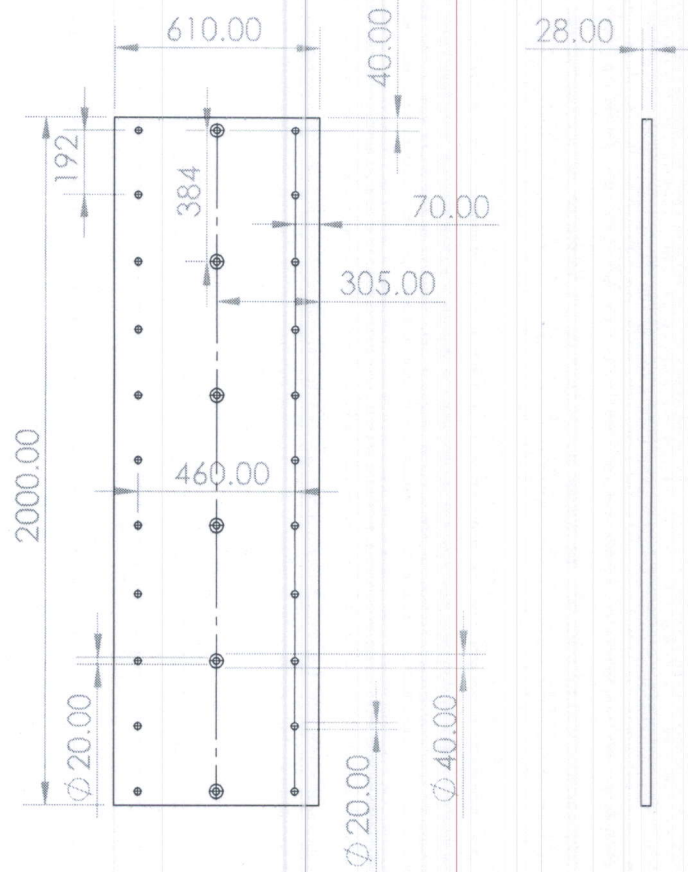
Rahulnath



01-External threading 2mm pitch & height of rod is 85mm.
02-Coupler with 60mm Dia. & 30mm ID with internal threading 2mm pitch with thrust bearings each at its bottom with 60mm X 30mm X 20mm Thick.

Bread Board Table

DRG.No:04	All dimensions are in mm		
Quantity:01 No.	SCALE:1:10	Material: MS	
DATE:14/07/2022	MF:22-23/08	NAME & Sign:Rahulnath.P.P	



MS Plate

DRG. No.:05

All dimensions are in mm

Quantity:01

SCALE:1:6

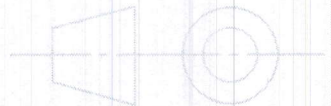
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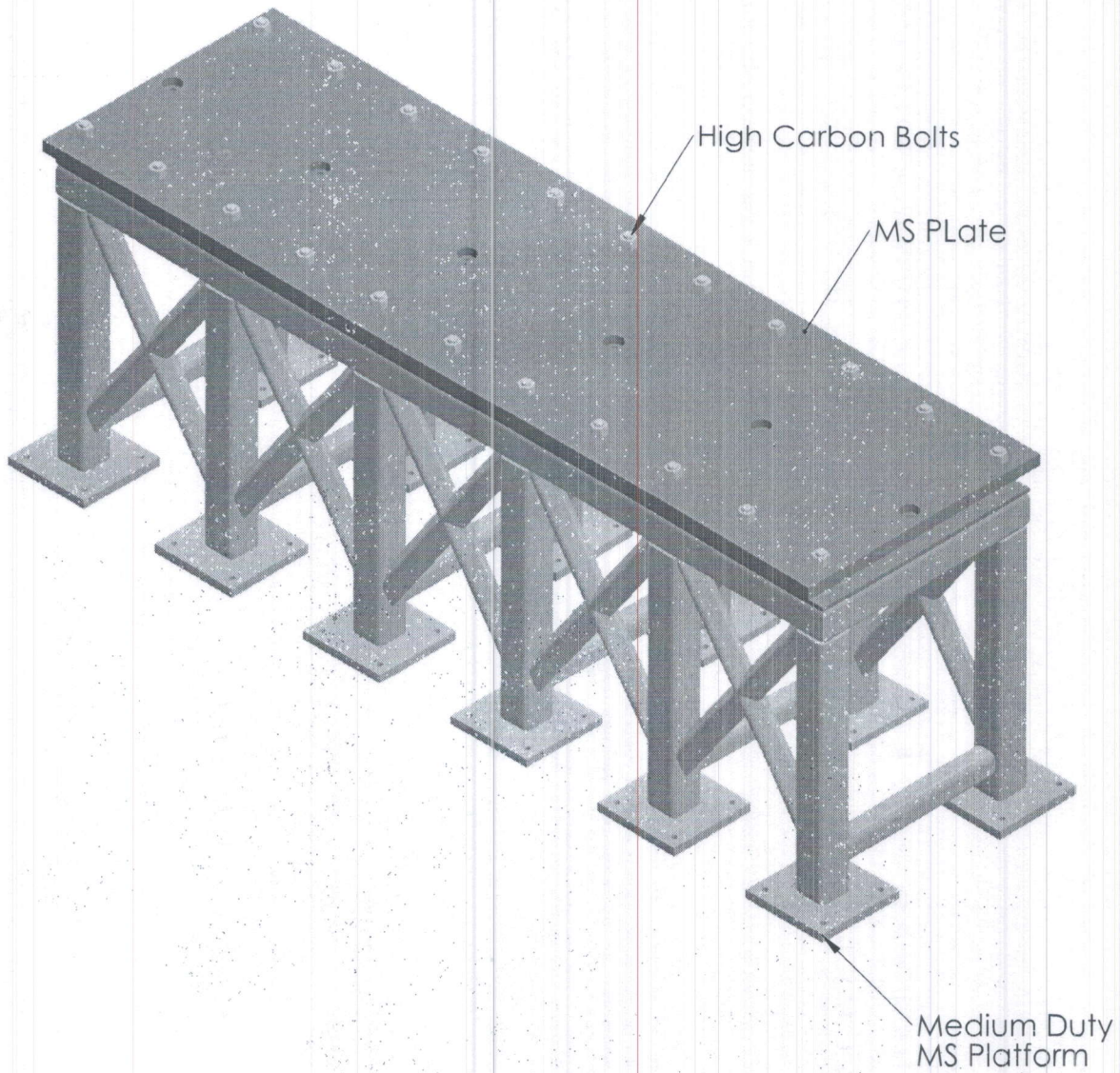
DATE:14/07/2022

MF:22-23/08

NAME & Sign.:Rahulnath

RH





Assembly of Medium Duty MS Structure

DRG. No.:06

All dimensions are in mm

Quantity:01

SCALE:1:6

Material:MS

DATE:14/07/2022

MF:22-23/08

NAME & Sign.:Rahulnath

