

Government of India  
Bhabha Atomic Research Center  
Pulsed Power & Electromagnetics Division

Ref: BARC (V)/PP&EMD/2022-23/R&D-71/MF/RV/11

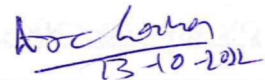
Date: 13.10.2022

**SUB:** Inviting quotations for **Fabrication and Supply of "Bitter Coil Assembly"** as per provided specifications (Qty – 2 Nos.)

Dear Sir,

1. Quotations are invited for the fabrication & supply work, as per the enclosed specification
2. Bidder shall quote for fabrication & supply work.
3. Taxes shall be quoted separately.
4. The quotation must reach the Head, Pulsed Power & Electro-Magnetics Division by date 26.10.2022 and must be sent in a sealed, printed envelope superscripted with reference number and the due date given above by 4pm, 26.10.2022.
5. The address of the envelop should read –  
Dr. Rishi Verma  
C/o Dr. Archana Sharma  
PP&EMD, PEB-1, Bhabha Atomic Research Centre  
Gandivanipalem Village,  
Atchutapuram Mandal, Visakhapatnam – 531011
6. Head, PP&EMD reserves the rights to accept/ reject any or all quotations without assigning any reasons.
7. Quotation must also indicate the validity of offer & required delivery time.
8. Quotations are to be in printed letter-head / quotation format only. Quotation received in computer-generated forms will be considered as invalid and rejected.
9. Quotation should consist of Sales Tax registration number (Registered with local ST / CST authority), PAN number of the firm, services tax registration number etc.
10. Claim preferred by the firms are also be in printed INVOICE format consisting of the above registration numbers.
11. No Free issue material will be given
12. Since the goods are to be supplied against the work order meant for research purpose of a research organization under DAE, the necessary GST will be exempted to the party.
13. In case of any query, the party can contact on rishiv9@gmail.com, ph. No 8374512797 between 10am to 5pm.

Approving Authority:

  
13-10-2022

(Dr. Archana Sharma)

Director (BTDG) & Head (PP&EMD)

डॉ. (श्रीमती) अर्चना शर्मा / ARCHANA SHARMA BARC

निदेशक / Director

किरणपुंज प्रौद्योगिकी विकास वर्ग

Beam Technology Development Group

भारत सरकार / Government of India,

भा.प.अ. केंद्र / B. A. R.C.

ट्रॉम्बे, मुंबई / Trombay, Mumbai - 400 085.

## Annexure-II

### General Terms and Conditions

#### **1. Quality surveillance, inspection and inspection report**

- 1.0 All work covered by the inspections shall be subjected to quality surveillance by the purchaser or his authorized representatives for which purpose the fabricator shall allow access at all reasonable times during manufacture to
- 1.1 The premises in which the work is being carried out.
- 1.2 The drawings and or tooling involved.
- 1.3 Gauges, instruments etc. required for inspecting the work.
- 1.4 Inspection and tests shall be carried out by the fabricator as per the requirements detailed in the drawings and these specifications.
- 1.5 The fabricator shall submit three copies of inspection reports to the purchaser for approval.
- 1.6 Components found unsatisfactory as to workmanship or material shall be removed by the fabricator and replaced by the components which is satisfactory.
- 1.7 The finished components shall not be dispatched prior to approval by our Engineer.

#### **2. Raw Material**

- 2.0 Raw Material for all the components and hardware will be provided by the supplier.

- 2.1 Material test certificate with sample may need to be submitted if asked.

#### **3. Delivery**

- 3.0 The bidder shall deliver the finished components after approval by our Engineer within 4 to 6 weeks from the date of receipt of work order.
- 3.1 In case any extension in delivery is to be granted to the contractor, party's should make request for extension in writing justifying the reason for extension.
- 3.2 Any delay which is attributable to the contractor is liable for penalty @ ½% per week (max. 5%) to be imposed on the contractor.

#### **4. Sub Contract**

- 4.0 The fabricator 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 of the sub-contractor of the fabricator, if at all allowed by the purchaser.

#### **5. Taxes**

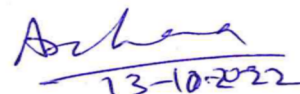
- 5.0 GST @ 18%

#### **6. Payment**

- 6.0 Payment will be made only after satisfactory completion of work and on production of Invoice with details of location of supply, separate tax components, GSTN and PAN, receipt cum issue voucher from stores, advance stamped receipt, and guarantee certificate (4 nos.) and Bank details.
- 6.1 Advance/ part payment or against delivery cannot be made.
- 6.2 It may be noted that Income Tax at 2% and surcharge on IT at the rate applicable will be deducted from the bill.
- 6.3 TDS @ 1% will be deducted on payments made to the supplier of taxable goods and/ or services where the total value of such supply, under an individual contract, exceeds 2.5 lakhs.

#### **7. Confidentiality:**

- 7.0 No party shall disclose any information to 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.
- 7.1 "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, advisor or the any employees of a contractor will invite penal consequences under the aforesaid legislation.
- 7.2 Prohibition against use of BARC's name without permission for publicity purpose: -  
The contractor or sub-contractor, consultant, advisor or the employees engaged by the contractor shall not use BARC's name for publicity through any public media like press, radio, T.V., or internet without the prior written approval from BARC. (vide circular ref: 2/Misc-9/Lg1/2001/92 dated April 30, 2001).

  
13-10-2022

(Dr. Archana Sharma)

Director (BTDG) & Head (PP&EMD)

BARC

डॉ. (श्रीमती) अर्चना शर्मा / ARCHANA SHARMA

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पॉस्को, मुंबई / Trombay, Mumbai - 400 085.

## **Scope of Work & Supplies**

1. All fabrication must be done and as per the enclosed drawings (listed as under):

<b>Part No.</b>	<b>Part Name</b>	<b>Material</b>	<b>Quantity/ Set</b>
1	End Disk	ETP Copper	2 Nos.
2	Intermediate Disks	ETP Copper	8 Nos.
3	Sectors	ETP Copper	8 Nos.
4	Inter Disk Insulation	FRP G10	9 Nos. + *9 Nos.
5	Insulation End Disk	FRP G10	2 Nos.
6	Bolt OD Liner	Teflon	24 Nos.
7	Bolt End Collar	Teflon	24 Nos. + *12 Nos.
8	M12×165 Allen Bolt	SS 304	12 Nos.
9	M12 Hex Nut	SS 304	24 Nos.
10	M10×60 Bolt, Nut with Washer	SS 304	8 Sets
11	Support Stand with top plate	Powder coated MS	1 No.

\* Spare quantity to be provided per set.

### **Quantity to be supplied: 2 Sets**

**Note:** Fabricators shall quote price of each Set (i.e. coil assembly with support stand and mentioned spares). Quotations with separate pricing of parts will be not be accepted.

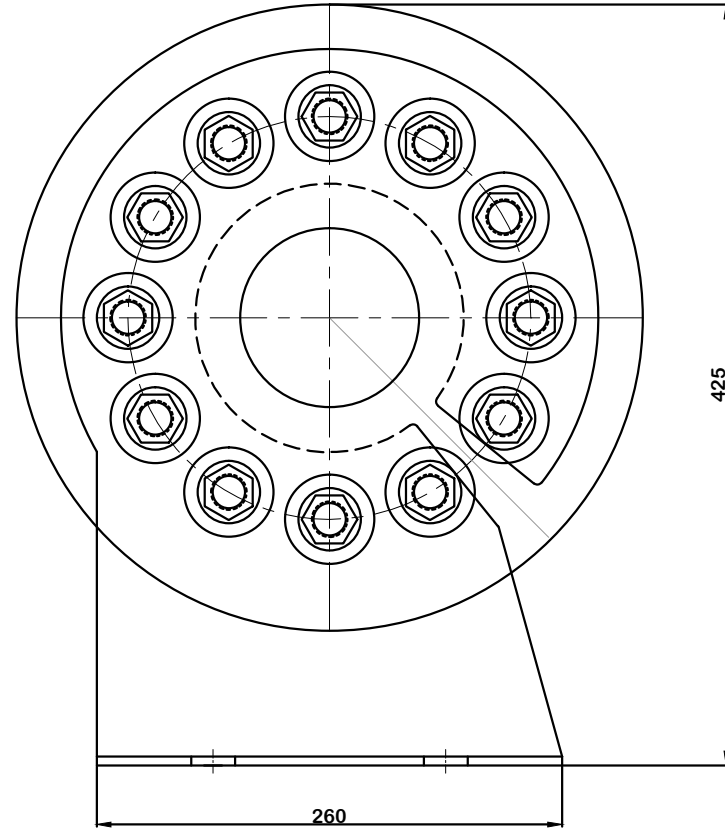
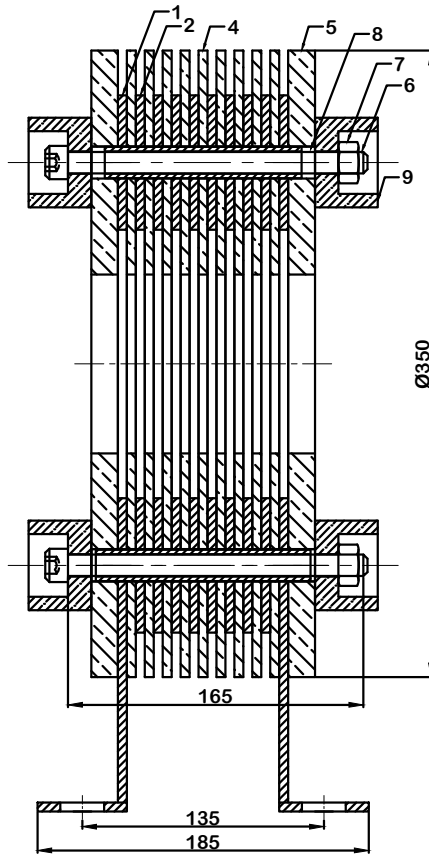
2. All sharp corners and edges should be rounded to R3/R2 and flat surfaces should be smooth finish.
3. All necessary nuts, bolts along with washers required for making the assembly is within the scope of supply of fabricator.
4. Support structure should be lockable, movable easily.
5. Installation of coil assembly and its integration with our capacitor bank shall be done by fabricator at PEB-2, BARCF (V) at the time of supply.

### **General requirements:**

1. Work carried out for fabrication will be inspected by BARC representative.
2. Along with the quotation, the vender should mention the details of taxes and also he should be able to provide PAN No. /TIN No. /GST No. etc if any.
3. The fabricators are encouraged to hold prior discussion with the indenter for any clarifications or suggestions.
4. Delivery to be made at PEB-2, BARCF, Atchutapuram site.

### **Payment Terms:**

Payment will be made only after the satisfactory completion of work as per acceptance criteria's mentioned above and on production of bill and advance stamped receipt.



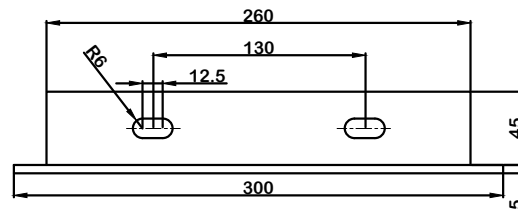
### ASSEMBLY DRAWING OF BITTER COIL

**NOTE:**

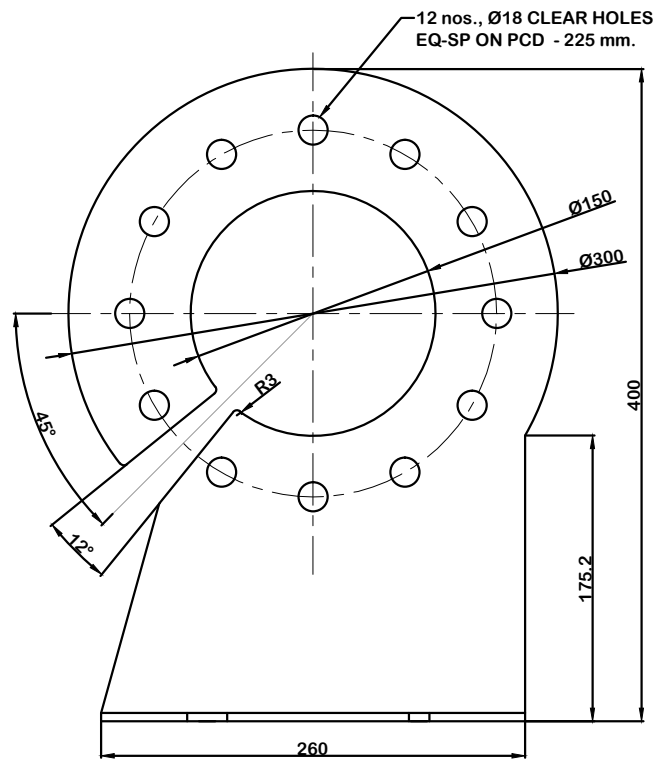
1. All dimensions are in mm.
2. All sharp corners should be rounded to R3/ R2.
3. All surfaces should be buffed.
4. PART - 3 not shown in Assembly.

#### BILL OF MATERIAL

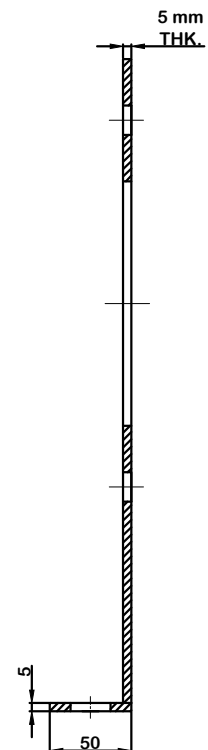
PART No.	DESCRIPTION	MATERIAL	QTY.
1	END DISK	ETP COPPER	2 Nos.
2	INTERMEDIATE DISKS	ETP COPPER	8 Nos.
3	SECTORS	ETP COPPER	8 Nos.
4	INTER DISK INSULATION	FRP G10	9 Nos.
5	INSULATION END DISK	FRP G10	2 Nos.
6	BOLT OD LINER	TEFLON	12 Nos.
7	BOLT END COLLAR	TEFLON	24 Nos.
8	M12 x165 ALLEN BOLT	SS304	12 Nos.
9	M12 HEX NUT	SS304	24 Nos.
10	M10 x 60 BOLT, NUT WITH WASHER	SS304	8 SETS



TOP VIEW



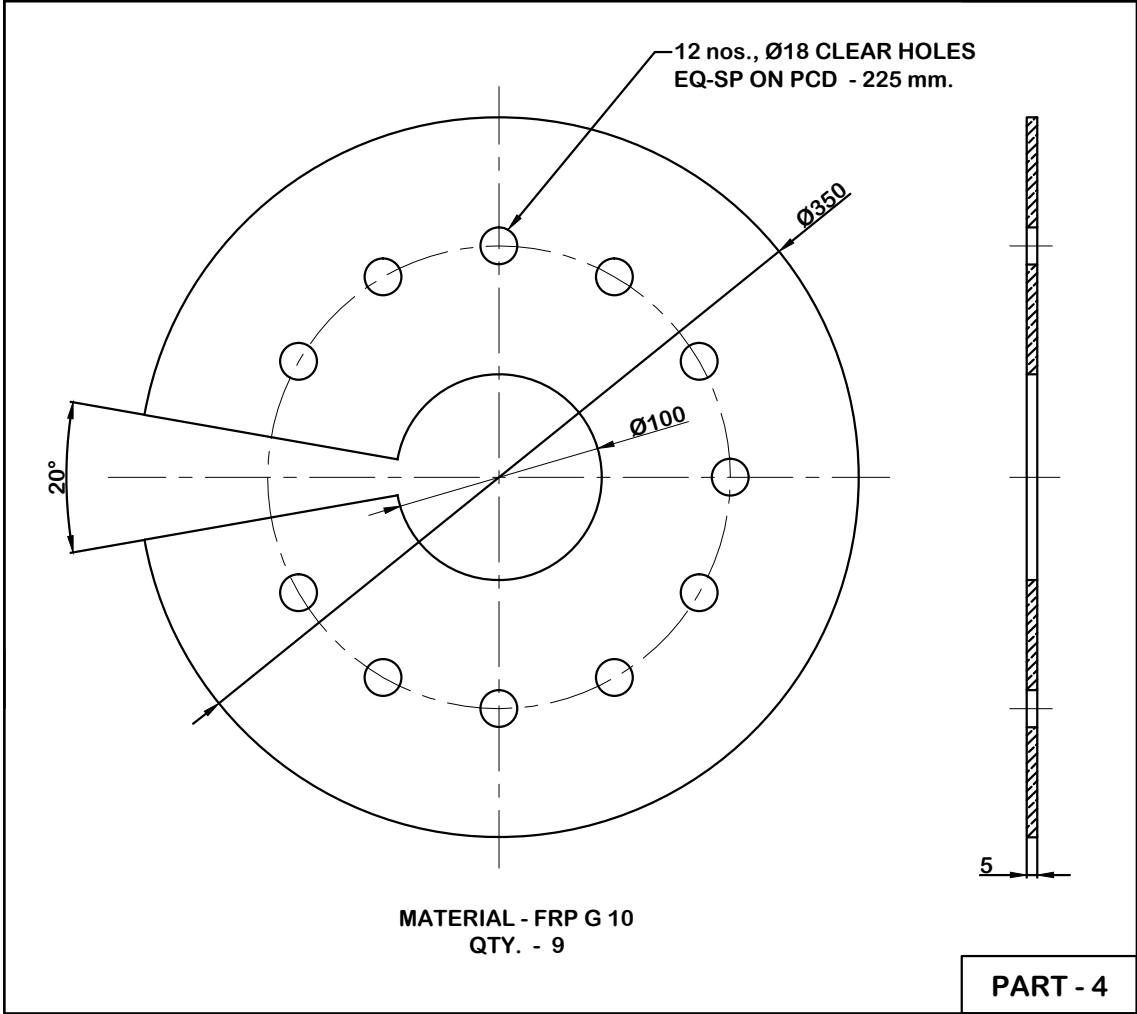
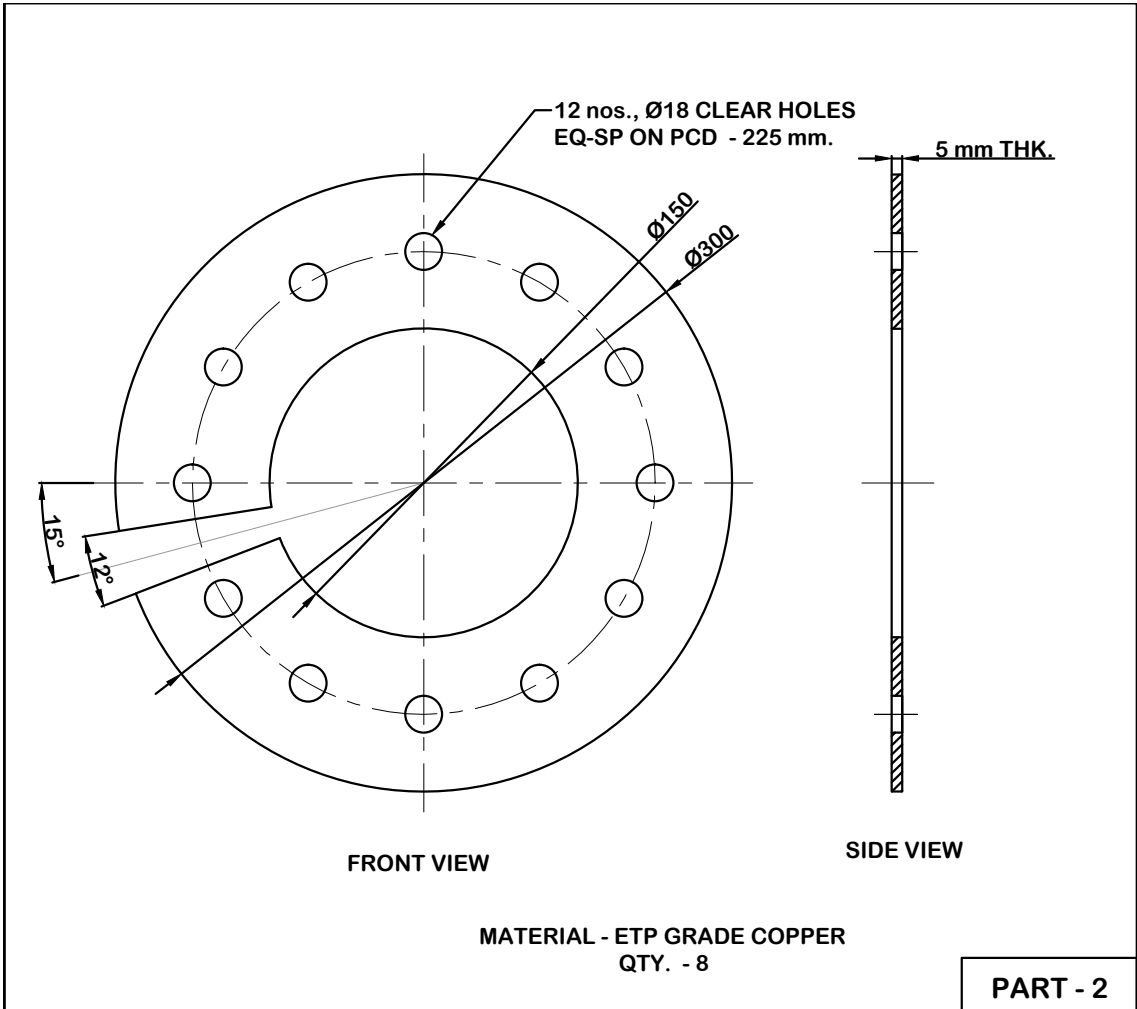
FRONT VIEW

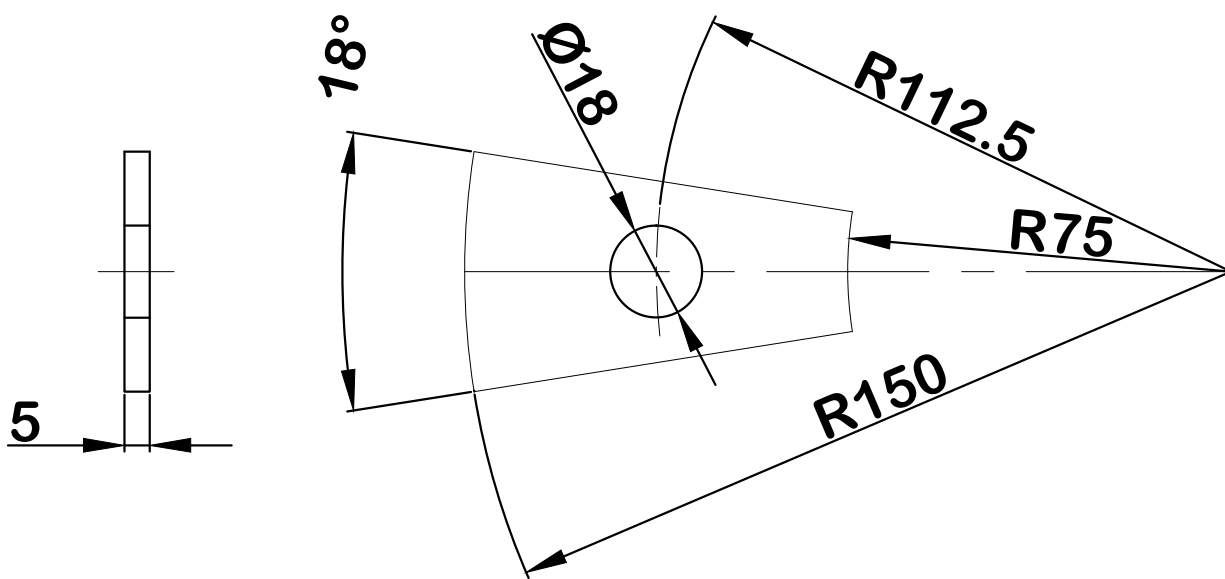


SIDE VIEW

MATERIAL - ETP GRADE COPPER  
QTY. - 2

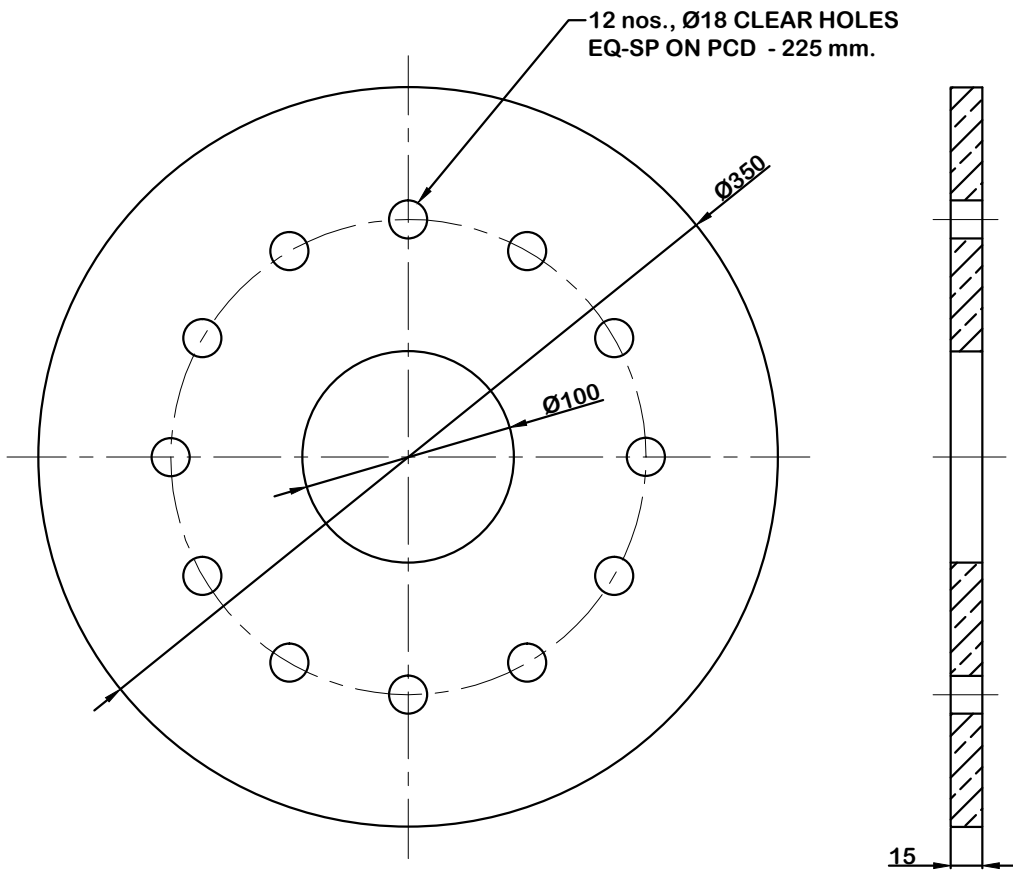
PART - 1





**MATERIAL - ETP GRADE COPPER**  
**QTY. - 8**

**PART - 3**



12 nos., Ø18 CLEAR HOLES  
EQ-SP ON PCD - 225 mm.

Ø350

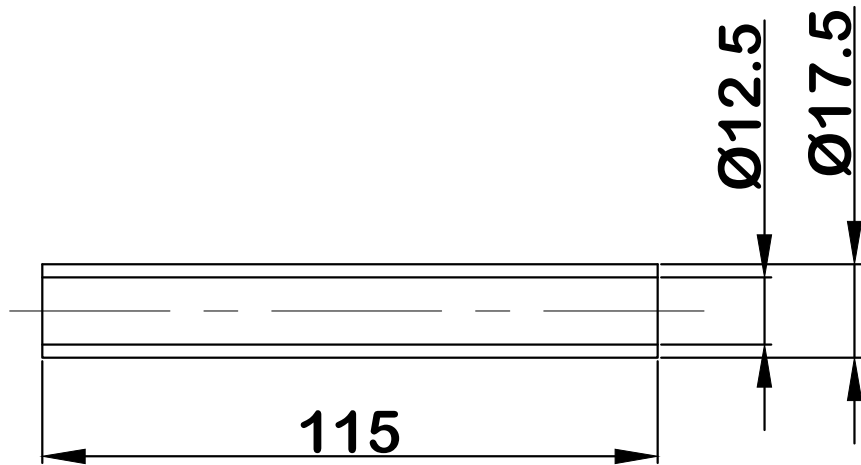
Ø100

15

MATERIAL - FRP G 10  
QTY. - 2

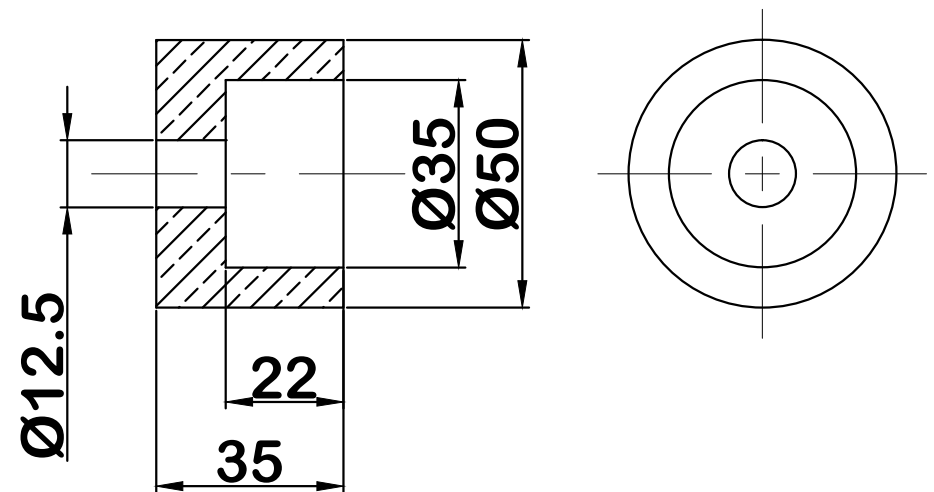
PART - 5





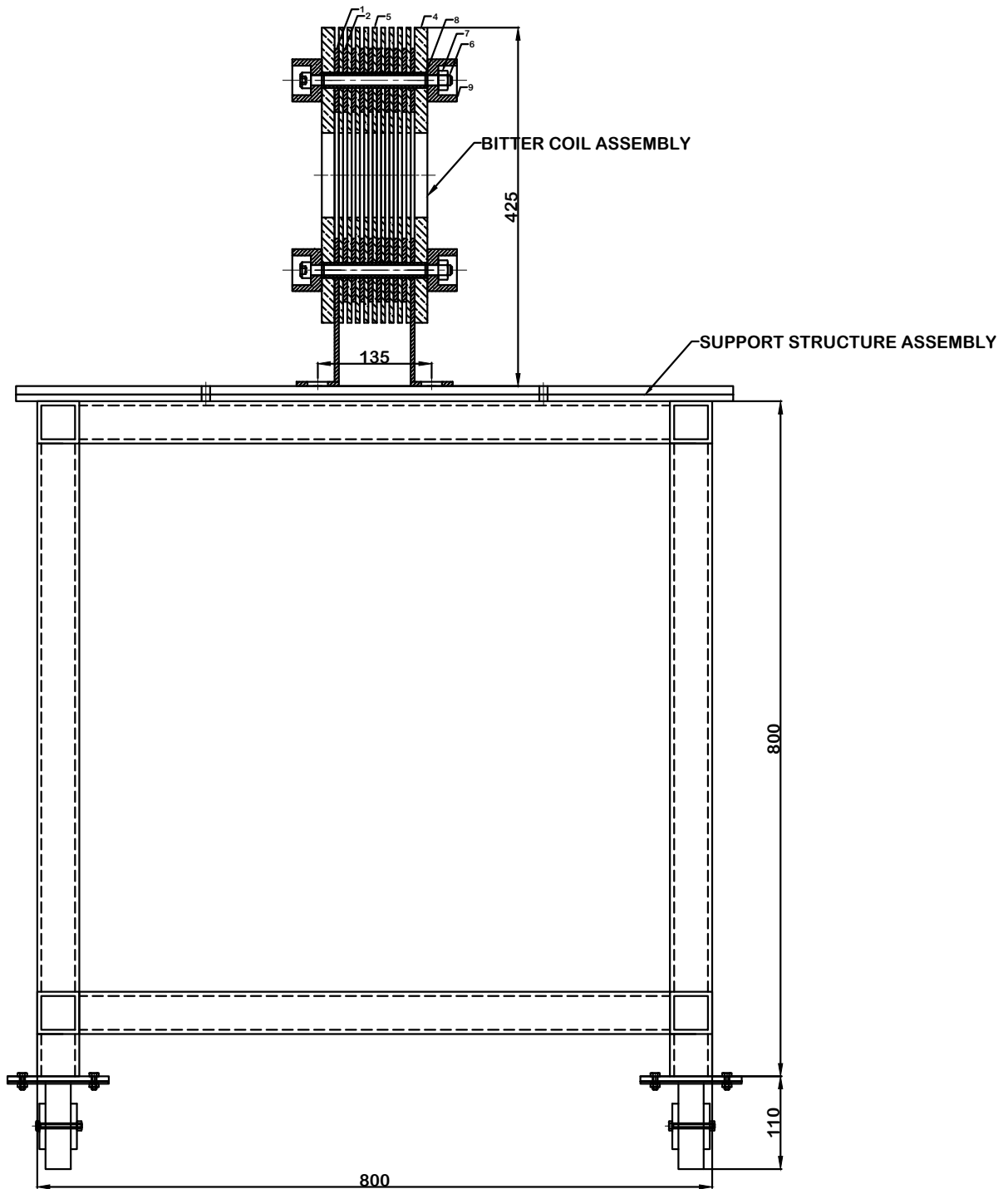
**MATERIAL - TEFLON**  
**QTY. - 24**

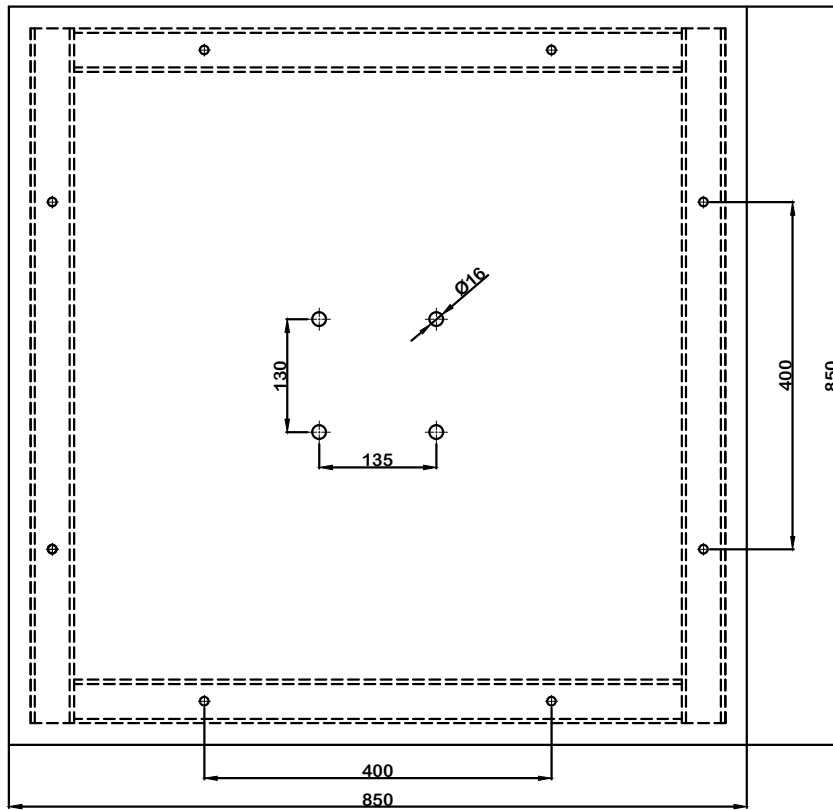
**PART - 6**



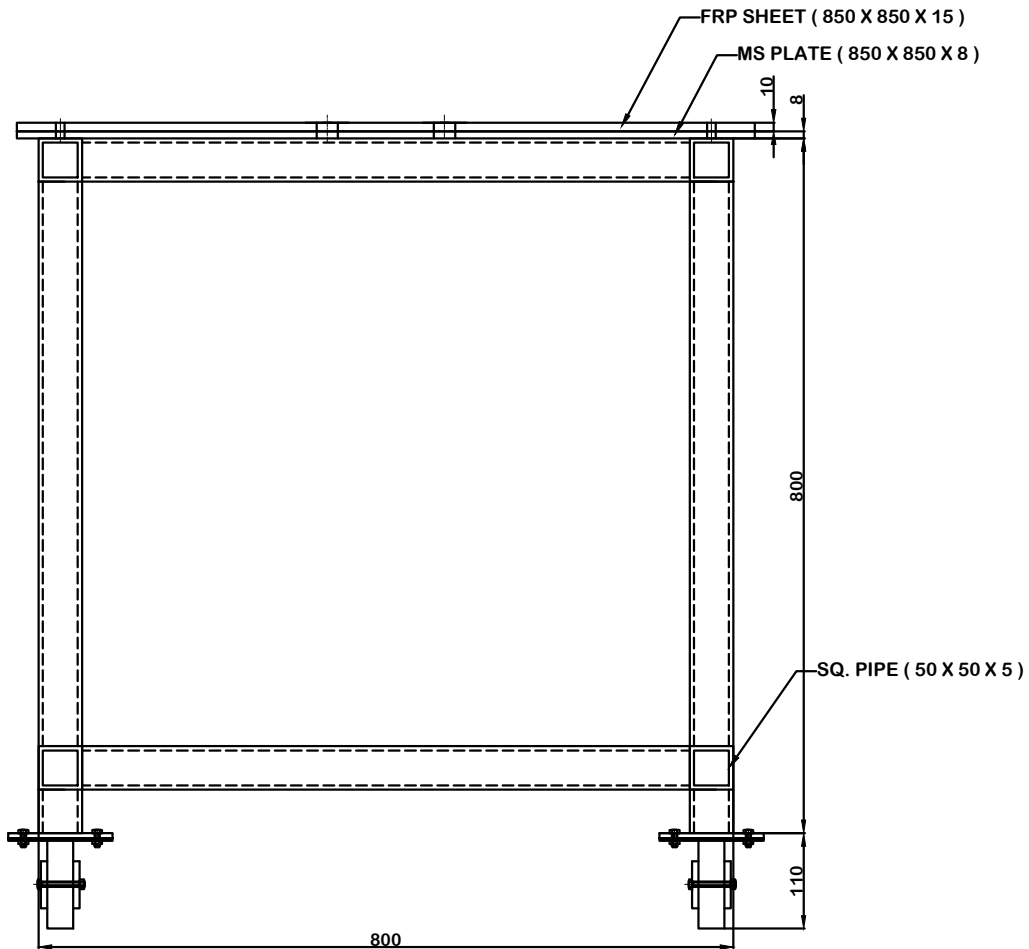
**MATERIAL - TEFLON**  
**QTY. - 24**

**PART - 7**





TOP VIEW



FRONT VIEW

SUPPORT STRUCTURE OF COIL ASSEMBLY