



METALCAST



Manufacturers & Suppliers of

Bushing Metal Parts | Transformer Winding Wire | Insulating Materials



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INTRODUCTION

METALCAST was established in the year 1980, and has been catering to the distinctive needs of its elite clientele for various transformer parts since then. With an experience of 30 years in the Transformer industry and a customer centric approach, our proprietor, Mr. Alok Jain has helped Metalcast earn the goodwill of its customers.

Today, we are counted as one of the leading Manufacturers and Suppliers of proven range of **Bushing Metal Parts, Silica-gel Breathers, Connecting Lugs, Aluminium/Bi-metallic Connectors, S.E. Winding Wire, DPC Winding Wires and Strips, Tapping Switches, Kraft Paper, Pre-Compressed Pressboard and Cork Sheets**, based in Delhi.

Our infrastructure is spread over sprawling area and is installed with latest machines that enable us in manufacturing our entire range of products. Owing to the high performance of the machines, coupled with the experience of our skilled labour, we are capable of meeting tight delivery schedules every time while maintaining quality.

To ensure strict adherence to quality standards, we conduct stringent quality checks during all the stages of production process. Our experts check the products on various parameters such as durable finish, high performance and optimum quality.

INDUSTRIES WE CATER TO

- Power and Distribution Transformer, CT PT Manufacturers/ Repairers
- Generator and Motor Manufacturers
- State Electricity Boards
- Electrical Contractors laying Transmission Lines and Erecting Sub-stations
- Traders dealing in Electrical Industry raw materials



METAL PARTS

We have been manufacturing Bushing Metal Parts for Power and Distribution Transformers, since 1980.

OUR RANGE OF METAL PARTS COMPRISE THE FOLLOWING RATINGS:

Class	1.1 kV	12 kV	24 kV	36 kV	
Rated Current	250 A	630 A	1000 A	2000 A	3150 A



1.1 Kv 1000/2000 Amps

The above ratings are manufactured as per ISS, however, we also do customization as per specific drawings from our clients for DIN/BS/EN/ANSI/JIS/GB.

For ratings above 36 Kv/3150 Amps, all components are made as per customer specific drawings.



36 KV/2000 Amps Metal Part



BS Metal Parts

Primary Terminals, LV Cap, Secondary Terminals, Extension Rods, Connectors and Bi-metallic Connectors for CTs are also manufactured as per the specific drawings provided by clients.

Raw materials utilized:- Aluminium Round and Hex Bars High quality extruded Brass



CT PT Terminals and LV Cap



250 Amps LT/HT Bushing with Metal Part

Round and Hex Bars Electrolytic grade Copper Bars CRC Sheets Bright Steel Bars Brass forgings, Aluminium Die Castings Nitrile Rubber Sealing Washers

We also make special and supporting components such as Bushing Clamps, Supports, and Arcing Horns.

All components are made from good quality raw material to ensure their reliability as regards conductivity and purity, and are machined to precision by our experienced workforce.

The components are supplied in Natural Finish, and also Tin or Nickel Plated as per specific requirements of the customer.

Routine checks are performed to take care of dimensional accuracy.



METALCAST

Silica Gel Breathers

We are manufacturing and supplying Silica Gel Breathers in both Aluminium Die Casted/ Sheet Metal and Acrylic body, with assured quality.



EXCLUSIVE FEATURES OF OUR SILICA GEL BREATHER :

1. Body and Oil Cup is made out of transparent yet Unbreakable UV Proof Polycarbonate Plastic.
2. Top & Bottom are made of CRCA Sheet & joined with body by Specially Designed Rubber Gaskets & Studs.
3. U V Proof Powder Coated External Finish.
4. Silica Gel Removing & Refilling method is specially designed to avoid Skilled Labour Requirement at site and consequent air Leakage.

Aluminium Body Size (Kgs.) : .250, .500, .750, 1, 1.5, 3, 4, 5

Clear View Size (Kgs.) : .050, .100, .250, .500, 1, 1.5, 2, 3, 5, 6,8,10,15

Bi-Metallic Connectors

Bi-Metallic Connectors (Brass-Aluminium, Bronze-Aluminium, Copper-Aluminium) are also manufactured as per specific drawings from the clients. These are made from Electrolytic Grade Copper Castings, Brass/Aluminium Die Castings, Galvanised M.S./ S.S. Nuts, Bolts and clamps.





**HT and LT Paper Covered Conductor
(Double Paper Covered Wire and Strip)**

We are manufacturing DPC Winding Wires and Strips in Aluminium and Copper, in compliance with IEC60317-27, IS-13730-27.

We are equipped with advanced machines with excellent production performance that enable us to complete bulk orders in very tight delivery schedules. Our experienced workforce, through continuous checks ensures that the material has required uniform covering throughout.

The wire is made from EC Grade Aluminium Wire Rod procured from reputed companies as Nalco/Hindalco, and CC Grade Copper Wire rod procured from Sterlite.

Good quality Kraft paper from ITC/ Munksjo/Tomoegawa is used, that provides insulation at 105°C.

Tpc Wire and Strip is also manufactured as per customer requirements.

The material is packed in wooden/plastic reels and further covered with polythene, cardboard, and then packed in gunny bags.



Bare Aluminium Wire



DPC Wire



DPC Strip



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Enamel Covered Conductor (Super Enameled Wire)

We are manufacturing Super Enameled Winding Wires in Aluminium and Copper, in compliance with IS-13730-16 and IEC 60317-16.

We are equipped with advanced machines with excellent production performance that enable us to complete bulk orders in very tight delivery schedules. Our experienced workforce, through continuous checks ensures that the material has required uniform covering throughout.

The wire is made from EC Grade Aluminium Wire rod procured from reputed companies as Nalco/Hindalco, and CC Grade Copper Wire rod procured from Sterlite.

Polyester Enamel (F Class) is used, that provides insulation at 155° C.

The material is packed in wooden/plastic reels and further covered with polythene, cardboard, and then placed in gunny bags/Corrugated boxes.



Pre compressed Pressboard

We supply Pre Compressed Pressboard, which is manufactured in accordance with different specifications of Bureau of Indian Standards and International Standards, viz., IEC 60641-3-1 (B-3.1), JIS C 2305, DIN 7733, PSP 3052, BS 231-1975 & IS - 1576_1992.

These are manufactured using cellulose based unbleached “electrical grade” softwood pulp as raw material. The boards are characterized by high density, high purity, uniform thickness, dimensional stability, low compressibility, low shrinkage and high electrical strength.





Kraft Paper

Electrical grade insulating kraft paper that we supply is made from excellent grade of virgin fibers. These are widely used as an insulation material of copper and aluminum wires. Apart from this these are also used in winding of transformer, motor, rotor coils.



Rubberised Cork Sheets

Our Cork sheets are manufactured with Neoprene Rubber and Rubber bonded cork compounds having good oil resistance. These are supplied in size of 915 mm X 915 mm or 915 mm X 610 mm and thickness varying from 0.8 mm to 20 mm. Other sizes are available on request. Sheets can be supplied as per IS 4253 Part II specifications or international specifications as per customer requirement.

We also supply Gasket Washers and Strips in various sizes as per customer requirement.





METALCAST

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