



YASH EXPORTS



***Energy saved is
ENERGY PRODUCED***

**WE ARE LEADING MANUFACTURERS, DEALERS AND
EXPORTERS OF ALL TYPES OF ELECTRICAL TRANSMISSION,
SUBSTATION, DISTRIBUTION & OVERHEAD LINE MATERIALS.**

"ALL PRODUCTS UNDER ONE ROOF"



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yojana@yashexports.com



www.yashpre.net

Committed to Growth Dedicated to Service



ABOUT US

COMPANY PROFILE

WE, AT YASH EXPORTS HAVE MADE IT OUR BUSINESS TO EMPOWER PEOPLE. WE ARE A KEY PLAYER IN THE FIELD OF MANUFACTURING & SUPPLYING OVERHEAD TRANSMISSION & DISTRIBUTION LINE MATERIALS WHICH ARE USED GLOBALLY FOR POWER DISTRIBUTION AND SUBSTATION. YASH EXPORTS IS PRIVATELY OWNED BUT PROFESSIONALLY MANAGED AND QUALITY ORIENTED COMPANY.

THE ABILITY TO SUPPLY OVERHEAD LINE ACCESSORIES AS PER CUSTOMERS REQUIREMENTS AND SPECIFICATIONS AND STRICT QUALITY CONTROL AT EVERY STAGE OF PRODUCTION HAS BUILT US AN ENVIABLE REPUTATION. QUALIFIED ENGINEERS PLAN AND CO-ORDINATE THE COMPUTER CONTROLLED ATMOSPHERE. ALL WITHIN THE TIME FRAME AND AT THE LOWEST PRICES.

OUR COMPANY

J.N. KANDHARI & CO. IS A PARENT COMPANY FOUNDED IN 1962 BY LATE SHRI. SURENDRANATH KANDHARI. THE COMPANY MANUFACTURES “JENCO” BRAND OF ALL TYPES OF OVERHEAD TRANSMISSION LINE MATERIALS. A STATE-OF-THE-ART MACHINERY AND TECHNOLOGY AT THEIR WORKS 60 KM FROM MUMBAI MANUFACTURES PRODUCTS THAT CONFORM TO INTERNATIONAL QUALITY AND STANDARDS.

THE COMPANY, THROUGH PRERNA TRADING CO. (AN ISO 9001 : 2015 CERTIFIED COMPANY), FOUNDED IN 1993 BY MR. TARUN S. KANDHARI, HAS DIVERSIFIED INTO TRADING IN THE DOMESTIC MARKET IN INDIA. THIS COMPANY OFFERS ALL TYPES OF MATERIALS USED IN THE POWER SECTOR AND ENABLES ITS CLIENTS TO PROCURE ALL THE ITEMS UNDER ONE ROOF.

IN THE YEAR 2000 THE GROUP FORMED AN EXPORT DIVISION UNDER THE BANNER OF YASH EXPORTS (AN ISO 9001 : 2015 CERTIFIED COMPANY). THIS DIVISION FULFILLS THE REQUIREMENTS OF ALL TYPES OF TRANSMISSION / DISTRIBUTION / OVERHEAD / SUBSTATION LINE MATERIALS AND TELECOMMUNICATION LINE MATERIALS FOR OUR CLIENTS OVERSEAS. IN A SHORT SPAN OF TIME THE COMPANY HAS ACHIEVED TREMENDOUS GROWTH AND HAS BUILT A COMMENDABLE NAME IN THE INTERNATIONAL MARKETS DUE TO OUR VAST EXPERIENCE IN THE DOMESTIC MARKET.



ABOUT US

OUR COMPANY

IN THE YEAR 2020, THE COMPANY FORMED ANOTHER BRANCH IN ABUJA, NIGERIA UNDER THE NAME OF: "YASH POWERTECH NIGERIA LIMITED" REGISTERED UNDER FEDERAL REPUBLIC OF NIGERIA. THIS BRANCH AIMS TO BRING THEIR SERVICES CLOSER TO THEIR ESTEEMED CUSTOMERS IN WEST AFRICA. THIS BRANCH FULFILLS THE REQUIREMENT OF ALL TYPES OF ELECTRICAL TRANSMISSION, SUBSTATION, DISTRIBUTION, OVERHEAD LINE MATERIALS AND OEM EQUIPMENT OF INTERNATIONAL STANDARDS.

WHEN THERE IS POWER AT STAKE, YOU NEED THE MOST RELIABLE, SAFE, QUALITY CONSCIOUS AND TRUSTWORTHY SOURCE OF PROCUREMENT. YOU NEED A PROGRESSIVE COMPANY THAT IS "COMMITTED TO GROWTH - DEDICATED TO SERVICE" THE VERY MOTTO WE HAVE FOUNDED OUR COMPANY ON.

OUR ESTEEMED CLIENTS ARE ELECTRICAL UTILITIES, TURNKEY EPC CONTRACTORS, POWER PROJECTS, RAILWAYS, ETC.

*COMMITTED TO GROWTH
DEDICATED TO SERVICE*



DIRECTORS MESSAGE

“ELECTRICAL IS A BUSINESS WHERE SUCCESS IS MEASURED BY THE ABILITY TO COMPLETE PROJECTS ON TIME AND WITHIN BUDGETS. WE, AT YASH EXPORTS, ENDEAVOUR CONTINUOUSLY, TO IMPROVE DESIGNS, TECHNOLOGY AND SERVICES TO ALLOW OUR CLIENTS TO ACHIEVE THE MOST COST EFFECTIVE SOLUTIONS FOR THEIR REQUIREMENTS OF OVERHEAD / TRANSMISSION / DISTRIBUTION & SUBSTATION LINE MATERIALS.

THE ASSIGNMENTS & PROJECTS IN HAND ARE A REWARD TO OUR EXPERTISE AS WELL AS, SIGNIFY THE TRUST THAT OUR CUSTOMERS HAVE IN YASH EXPORTS.

WHEN THERE IS A POWER AT STAKE, YOU NEED THE MOST RELIABLE, SAFE, QUALITY CONSCIOUS AND TRUSTWORTHY SOURCE OF PROCUREMENT. YOU NEED A PROGRESSIVE COMPANY WHERE ALL YOUR NEEDS WILL BE FULFILLED UNDER ONE ROOF WHICH WE AT YASH EXPORTS SPECIALIZE IN.

OUR AIM IS CUSTOMER SATISFACTION THROUGH PRODUCTS AND SERVICES OF INTERNATIONAL STANDARDS, AT COMPETITIVE PRICES.

OUR MOTTO IS: “COMMITTED TO GROWTH- DEDICATED TO SERVICE.”

WE LOOK FORWARD TO FURTHER, CLOSER PARTNERING WITH THE ELECTRICAL INDUSTRY, TO MEET THE CHALLENGES OF THE FUTURE.”

***COMMITTED TO GROWTH
DEDICATED TO SERVICE***



THE GROUP

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PRERNA TRADING CO. (AN ISO 9001 : 2015 CERTIFIED COMPANY) FOUNDED IN 1993 BY MR. TARUN S. KANDHARI, HAS DIVERSIFIED INTO TRADING IN THE DOMESTIC MARKET IN INDIA. THIS COMPANY IS STOCKIST/ DEALERS/ DISTRIBUTORS FOR ALL TYPES OF MATERIALS USED IN THE POWER SECTOR LIKE HT & LT INSULATORS, LIGHTNING ARRESTORS, CONDUCTORS, CABLES, HOT DIP GALVANIZED EARTHING MATERIALS, CABLE JOINTING KITS, GALVANIZED STRUCTURES & HARDWARE'S, SAFETY EQUIPMENT'S, ETC. AND ENABLES ITS CLIENTS TO PROCURE ALL THE ITEMS UNDER ONE ROOF.

IN THE YEAR 2000 THE COMPANY FORMED AN EXPORT DIVISION UNDER THE BANNER OF YASH EXPORTS (AN ISO 9001:2015 CERTIFIED COMPANY) BY MR. TARUN S. KANDHARI. THIS DIVISION FULFILLS THE REQUIREMENTS OF OUR OVERSEAS BUYERS FOR ALL TYPES OF TRANSMISSION / DISTRIBUTION / OVERHEAD / SUBSTATION LINE MATERIALS AND TELECOMMUNICATION LINE MATERIALS. THE PRODUCTS REGULARLY EXPORTED ARE TRANSMISSION LINE GALVANIZED TOWERS & SUBSTATION STEEL STRUCTURES, LINE HARDWARE'S, CLAMPS & CONNECTORS FOR SUBSTATION, POLE LINE GALVANIZED FITTINGS & ACCESSORIES, PORCELAIN HT & LT INSULATORS, COMPOSITE INSULATOR, ACSR, AAC & AAAC CONDUCTORS, CABLES, ISOLATORS, DISCONNECTORS, AB SWITCHES, FUSES CUTOUT, EARTHING & LIGHTING MATERIALS, LIGHTNING ARRESTORS, EXOTHERMIC CONNECTORS, HEAT SHRINKABLE CABLE JOINTING KITS, JUNCTION BOXES, MARSHALLING KIOSK, PANELS, DIESEL GENERATING SETS, WAVE TRAPS, BATTERIES AND BATTERY CHARGERS, CURRENT & POTENTIAL TRANSFORMERS, HIGH MAST POLES, LIGHTING FIXTURES, ETC.

IN THE YEAR 2020, THE COMPANY FORMED ANOTHER BRANCH IN ABUJA, NIGERIA UNDER THE NAME OF: "YASH POWERTECH NIGERIA LIMITED" REGISTERED UNDER FEDERAL REPUBLIC OF NIGERIA. THIS BRANCH AIMS TO BRING THEIR SERVICES CLOSER TO THEIR ESTEEMED CUSTOMERS IN WEST AFRICA. THIS BRANCH FULFILLS THE REQUIREMENT OF ALL TYPES OF ELECTRICAL TRANSMISSION, SUBSTATION, DISTRIBUTION, OVERHEAD LINE MATERIALS AND OEM EQUIPMENT OF INTERNATIONAL STANDARDS.

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Transmission Line Tower



We hold expertise in the designing, fabrication & Galvanizing of Transmission towers that are successful in serving the requirements of electrical industries. These Transmission towers are manufactured as per the design requirements of our clients and are subjected to rigid quality tests to ensure zero defects and optimum functionality.

We also offer these Transmission towers as per the customized requirements of our clients.

We also have the team for Design: Electrical, Civil, Structural for Towers up to 400 kV. Drawing and Documentation, Detailed Engineering.



Contact for any Enquiry

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Substation Steel Structures



Hot Dip Galvanized Steel Structures

We are renowned as one of the outstanding Power Substation Steel Structures Manufacturers in India. We offer Substation Structures for all types and varieties of Power Sub Station up to 765 KV. We have full in-house Fabrication and Hot Dip Galvanizing Facilities that assist in the quality production of the Power Distribution Structures.

Additionally, customers are eased with the availability of the Substation Structures customized as per the specifications and drawings provided.

We also have the team for Design: Electrical, Civil, Structural and Auxiliaries.

Drawing and Documentation, Detailed Engineering

In-house capability to design switchyard layout structures, control room, earthmat, fire fighting, auxiliary power supply, illumination, erection key diagrams.

Project planning and coordination, Manufacturing Equipment Support Structures and Gantry structures at our two manufacturing facilities.

Sourcing and Supply of all electrical and ancillary equipment and materials from domestic and international sources.

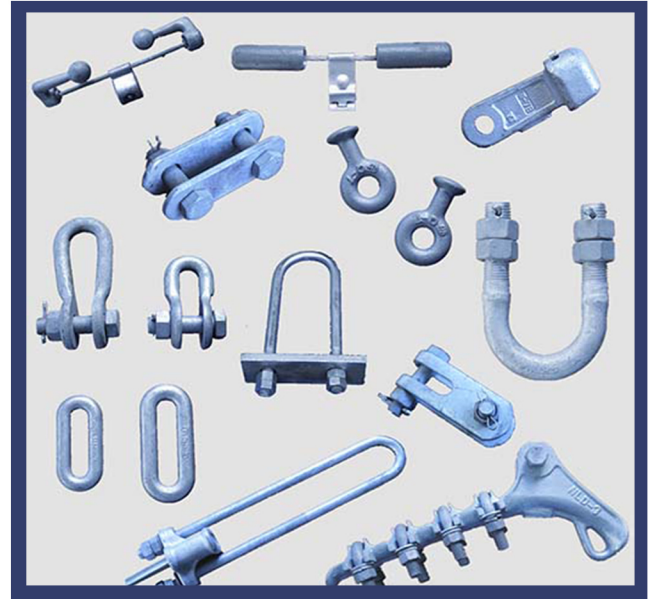


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Pole Line Hardware



We manufacture and Export a broad range of Pole line Materials like: Insulator Stringing Hardware's and Conductor accessories up to 800 KV & above.

This Hardware's are used for Stringing and Erection of ACSR, AAC, AAAC Conductors, Ground earth wire.

Our comprehensive range of Transmission & Distribution Pole line materials are widely used for Transmission Towers, Rural electrification, Electrical Sub Stations & Street light fitting.

This equipment is acknowledged highly for their better service life and high resilience power. They are anti corrosive in nature and suitable for bearing heavy work load. The items can be customized as per the requirement of the clients .We use premium quality raw materials for the production to outwit adverse atmospheric conditions and ensure durability which otherwise is dangerous.



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AB Cable Accessories And Fittings

We at Yash Exports also have a full range of AB Cable (Aerial Bundled Cable) accessories and fittings which conforms to NFC and IEC standards. These products are available for all varieties and sizes of AB Cables.

Items: Anchoring Clamps, Suspension Clamps, Dead End Tension Clamps, Insulated Piercing Connector, Pig Tail Hooks, Bracket for Anchoring Clamps, Bracket for Suspension Clamps, End Caps, etc.



ANCHORING CLAMPS (INSULATED MESSENGER SYSTEM)

Anchoring Clamps for Insulated Neutral Messenger System is used for fixation of cable to the strength member

This Anchoring Clamps consists of a body, self-adjusting captive wedges and flexible bail:

- Body is made of High strength cast aluminum alloy
 - Self-Adjusting Captive Wedges are made of UV and weather resistant thermoplastic
 - Bail are made of Corrosion resistant, flexible stainless steel wire
- Anchoring Clamps are easy for installation without any tools.



ANCHORING CLAMPS (SELF-SUPPORTING SYSTEM)

Anchoring Clamps for Self-Supporting System are used to anchor 2C or 4C insulated bundled Cables

This Anchoring Clamps consists of a Clamping Plates, Wedges and Bolts:

- Clamping Plates is made of Galvanized Steel
- Wedges are made of UV and weather resistant thermoplastic.
- Bolts are of Galvanized Steel. There is even load distribution on cable's insulation.



BRACKET FOR SUSPENSION CLAMPS

The Bracket is made of corrosion-resistant aluminum alloy. Brackets should be fixed with two bolts of M14 or M16 or with a stainless steel strap 20 x 0.7 mm



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AB Cable Accessories And Fittings



BRACKET FOR ANCHORING CLAMPS

The Bracket is made of corrosion-resistant aluminum alloy. Brackets should be fixed with two bolts of M14 or M16 or with a stainless steel strap 20 x 0.7 mm

This is used for fixing of one or two anchoring clamps. Can be



SUSPENSION CLAMPS (UNINSULATED MESSENGER SYSTEM)

Suspension Clamps for Uninsulated Messenger System are used to suspend and grip the uninsulated messenger cable.

This Suspension Clamps consists of a body, bolts and insulating cover:

- Body is made of High strength aluminum alloy
- Bolts are of Galvanized Steel
- Insulating Cover is of UV and weather resistant thermoplastic.



SUSPENSION CLAMPS (INSULATED MESSENGER SYSTEM)

Suspension Clamp for Insulated Messenger System consists of a body, movable link and adjustable lock:

- Body and Movable Link are made of UV and weather resistant thermoplastic.
- Lock is made of UV resistant thermoplastic. The clamp can be easily installed without damage to the cable insulation



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AB Cable Accessories And Fittings



INSULATION PIERCING CONNECTOR

The Insulation Piercing Connectors are applicable for all types of ABC conductors as well as connections in service line system.

Main line: Insulated aluminum cable

Tap line: Insulated aluminum cable or Insulated copper cable

Special designed shear head bolt allows efficient installation under controlled shear torque which ensure the contact teeth properly penetrate the conductor without damaging the mechanical strength of the conductor. Seals and grease are applied to prevent moisture entering the cable and connector which guarantees excellent waterproof and corrosion resistant performance. End cap is attached to the body. No loose parts could fall to ground during installation.



SERVICE CLAMPS (INSULATED MESSENGER SYSTEM)

Service Clamps (Insulated Messenger System) is suitable for insulated low-voltage AB cable.

It is also suitable for multiple conductors widely used on poles or walls in rural and urban aerial distribution network.

This Service Clamps consists of a body, wedges and bail:

- Body and Wedges are made of UV and weather resistant thermoplastic.
- Bails are of Stainless Steel or Galvanized Steel
- Bolts are of Galvanized Steel. There is even load distribution on cable's insulation. The clamp can be easily installed without damage to the cable insulation.



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CLAMPS AND CONNECTORS



The power connectors link the power carrying conductors to equipments such as Lightning arresters, Air break switches, Circuit breakers, Bus bars etc.

Materials

Power clamps and connectors are suitable for continuous current short circuit and other short time current. High conduction copper and aluminum alloys are used with grades easy to cast, forge and machine.

Aluminum Alloy- LM-6 conforming to IS617:1975

Copper Alloys- Brass Grade 3 to IS 292-1961

Nuts bolts and washers- HDG/SS

Our company deals in a comprehensive range of Clamps and Connectors for Sub Stations made from Aluminum Alloy conforming to IS-617 to be used in 400kV / 220kV / 132kV / 25kV Substations.

The Clamps & Connectors are specially designed for various industrial and commercial applications. They are available in various dimensions as per the requirement of the clients and are convenient to install and suitable for bearing heavy load. They are tested in compliance to industry quality parameters for ensuring better results.

These are being manufactured by die casting process and henceforth machined to impart better electrical properties. We offer a wide range of superior quality products which are manufactured in adherence to the Indian and International industrial quality standards

Our electrical power connectors are designed for the switchyards and electrical equipments like transformers, circuit breakers, isolators, Disconnectors, Current Transformers, Potential Transformers, instrument voltage transformers, capacity voltage transformer, capacitor bank, series reactors, lightning arresters/ surge arresters and bus post insulators.

We specialize in electrical power connectors and contributing to the demands of Indian and overseas power sector industries. Our main connectors range encompasses Bolted Connectors, Compression Connectors, Extruded Connectors, and Welded Connectors.

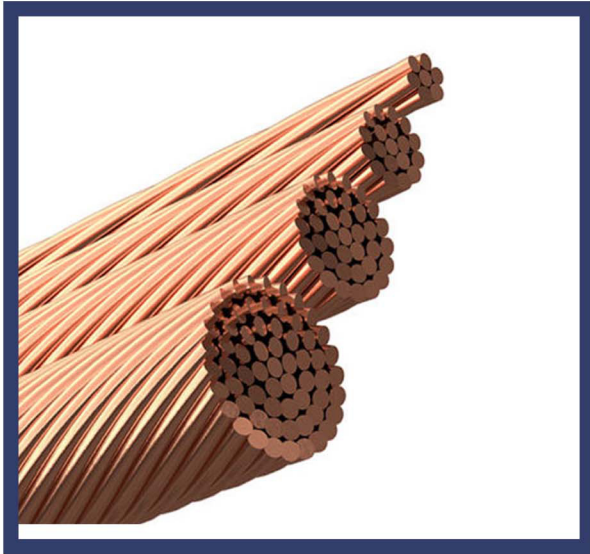


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Earthing Materials



Earthing Products

Application :

To provide protection for human against danger of electrocution and electric shock.

To maintain a proper functioning of electrical system and to avoid any spark between a component and the object.

Option :

Plating : Electroplated Copper (CuP) and Tin (TP)

Material :

Brass CZ121 and CZ112, MS Cu, Plated, Aluminium Alloy and Gun Metal

Items :

Solid Copper and steel copper plated rods, stranded wires and plates, Rod to tape Clamps, U-bolt rod to cable clamps, Square and rectangle saddies for tape or cable, Earth bars and disconnecting links, Earth points, Static earth Receptacle, Tower earth clamps and Conductor fixing clips etc....

Lightning Protection

Application :

To provide protection for human against Lightning by means of strict adherence to the provision of a conventional lightning protection system to the total exclusion of any other devices or system for which claims of enhanced protection are made.

Option :

Plating : Electroplated Copper (CuP) and Tin (TP)

Material :

Brass CZ121 and CZ112, MS Cu, Plated, Aluminium Alloy and Gun Metal

Items :

Copper Taper pointed air rods and Copper multiple point, Air terminal base, Ridge saddle, Rod to tape and cable Clamps, U-bolt rod clamps, Screw down, Plate type and Oblong test clamps, Rod to tape Couplers, Rod brackets, heavy duty cast cable saddle, Back plate holdfast stem, Test and junction clamps Tower



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High Voltage Porcelain Insulators



Solid Core Station Post Insulators

Rating: Up to 1200 kV

Creepage Distance: 25 mm/kV and 31mm/kV

Applicable Standards: IS, IEC, ANSI

Features

Solid Core Station Post Insulators are comparatively lighter and have smaller diameters than other types of post insulators of similar voltage class. These are ideally suitable for compact installations, which results in slim & neat appearance and provide better harmony with other modern apparatus in any EHV/UHV substation. Additionally, they display superior antipollution performance, low RIV, better arc resistibility and lower deflection under cantilever load.

Shackle Insulators

Wet Withstand Voltage: 11kV

Dry Withstand Voltage: 22kV

Tensile Strength: 1300kV

Features

Shackle Type Insulators is manufactured out of finest material and is capable of high performance. Shackle Insulators are commonly used for low voltage distribution systems are appreciated for their attributes of durability, sturdy construction and excellent performance. We can utilize these insulators in both vertical or horizontal position. They can be attached to the pole with a bolt or to the cross arm directly.



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High Voltage Porcelain Insulators

Tension and Suspension Disc Insulators



Profile: Normal, Semi Fog, Anti Fog, and Open Profile

Electro-Mechanical Strength: Upto 420 kN

Creepage Distance: Upto 612 mm

Applicable Standards: IS, IEC, BS, ANSI, Australian Specifications

Features

Tension and Suspension Insulators (Porcelain Disc Insulators) are the most widely used Insulators for Transmission & Distribution Lines. Their design varies to suit different types of polluted zones and Electro-mechanical strength as per customer's requirements.



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High Voltage Porcelain Insulators

Pin Insulators



Rating: Upto 69 kV

Mechanical Strength: 10 kN

Creepage Distance: Upto 1080 mm

Applicable Standards: IS, BS, IEC, ANSI, AS, VDE Specifications

Features

Pin Insulators of one piece or multi piece construction are widely used in low cost Distribution Lines. Multi piece construction makes these insulators less vulnerable to damage. A multi piece insulator can normally withstand the line voltage for a considerable time without difficulty, even if one shell is broken. We supply full range of Pin Insulators for application in sub-transmission and distribution lines up to a system voltage of 66 kV. These insulators have a creepage path which meets various requirements of pollution.

Post Insulators

Rating: upto 36 kV and upto 132 kV

Mechanical Strength: upto 9 kN

Creepage distance of single unit upto : 580 mm

Applicable Standards: IS, IEC, ANSI.

Features

We offer 11 kV, 22 kV & 33 kV Post Insulators. These Post Insulators offer maximum efficiency in their operation. These Post Insulators are used in Sub-stations, Isolators, AB Switches Horn Gap Fuse set. Cap and pin type Post Insulators are divided into two main groups, non stacking and stacking units. Single units are available for service voltage upto 36kV and multi-unit stacks are available for service voltage upto 132 kV.



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High Voltage Porcelain Insulators

Guy Strain Insulators / Stay Insulators



Normal system voltage : upto 11kV
System highest voltage : upto 12.5kV
50 cycles dry flash over : upto 30kV
50 cycles wet flash over : upto 18kV
Leakage distance : upto 80mm
Tensile strength : upto 90kN
Applicable standards : IS, BS, IEC, ANSI

Features

Guy Strain Insulators / Stay Insulators are manufactured as per the international standards of quality. These are characterized by high efficiencies and complete reliability in service. Our precisely designed range features durability, sturdy construction and complete reliability in service. Our product range is incorporated with modern features as per various industrial norms.



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Composite Insulators

Composite / Polymer Post Insulators



Features

Our given Composite / Polymer Post Insulators are vastly demanded in various industries related to these products. The offered composite post insulator is designed by competent workers with the usage of finest quality of components in tandem with market norms. These Composite / Polymer Post Insulators guarantees the higher quality and reliability. Additionally, these Composite / Polymer Post Insulators are examined before the delivery by our experts. Besides, the polymer insulators are provided with different specifications to choose from, as per IEC 61952 / ANSI C29.17 standards.

This product is applied to high voltage power station facilities. And have features of good hydrophobicity, anti-aging, anti-leakage trace and electrical erosion proof, tensile strength and bending strength, strong mechanical strength, shock resistance, good quakeproof and brittle failure proof, light weight, easy to install.



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Composite Insulators

Composite / Polymer Long Rod Insulators & Suspension Insulators



Features

Composite Long Rod Insulator and Suspension Insulators for Transmission Line are operational under varied ranges. In the HV segment, it ranges from 66 to 330 kV, in the EHV range from 400 to 765 kV and in the UHV range insulators are operational at 800 kV HVDC (420 kN), 1200 kV AC/320 kN (the highest operating voltage in the world). Composite Long Rod Insulator and Suspension Insulators are designed for operation in high corrosion areas. The elastomeric insulation is made of silicone rubber of the highest consistency type HTV from Dow Corning and the insulating core and terminals is a fiberglass composition of the ECR type, which provides great mechanical resistance to traction. The connecting horns can be made of galvanized steel or stainless

The application of the insulators is in all environments including severely polluted coastal areas, hilly terrain, snowy locations, severe wind and desert pollution proving the wide worldwide acceptability. Besides, these insulators are provided with different specifications to choose from, as per IEC 61109 / ANSI C29.12 standards.

And have features of excellent leakage current control, resistance to severe environmental pollution, good resistance to fungus formation, UV resistance, ease and minimum cost of installation, silicone rubber insulation with a high level of resistance to tracking, brittle failure proof, light weight and easy to install.



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Composite Insulators

Composite Pin Insulators



Features

The Composite Pin Insulator has a high resistance to bending, shock resistance and anti-explosion performance. The inner insulation is reliable and the weight is light. The Composite Pin Insulators are intended to be mounted rigidly on a supporting structure by means of a pin passing up inside the housing which is molded or cast by circumferential crimping process.

Product Properties

- Voltage : 10kV - 35kV
- Mechanical load : 5kN & 10kN
- Creepage distance : 180mm - 1116mm
- Diameter of screw : 16-22mm
- Standard : IEC 61109, BS, ANSI



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Composite Insulators

Composite Railway Insulators



Features

The Composite Railway Insulators are available in range of 25 kV for Railways in 9 Tonne, Stay arm hook & Bracket tube configurations. The use of Polymeric/Silicone Rubber base insulators have several advantages over the conventional ceramic insulators e.g. light weight, unbreakable, hydrophobic, resistant to ozone & UV radiations, resistant to earthquake shocks, self cleaning properties & resistant to vandalism. These Composite Railway Insulators are manufactured as per IEC 61109 & RDSO standards.

The Composite Railway Insulators is used in tunnels of electrical railway under severe conditions. The (Silicon Rubber) Composite Railway Insulators can effectively prevent pollution flashover outage and free from cleaning maintenance work with a very small size, they can be substituted by porcelain or glass insulators in case of small tunnel space. The end fittings are crimped onto fiberglass rod with crimper. The connection location between end fittings & rods is fused with sheds housing by the overall high temperature vulcanized silicone rubber injection molding as it could minimize the interface.

Specifications

- Rated voltage : 25kV
- Sectional Length : 315mm
- Minimum Creepage distance : 1050mm
- Wet Power frequency withstand voltage : 100 kv-rms
- Dry Lightning impulse withstand voltage : 240 kv-peak



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Conductors

ACSR – ALUMINIUM CONDUCTOR STEEL REINFORCED CONSTRUCTION



The mixed construction of ACSR makes it a very flexible medium from a design point of view. By varying the relative proportions of aluminium and steel the ideal conductor for any particular application can be produced. Generally, ACSR consists of a galvanized steel core of 1 wire, 7 wires or 19 wires surrounded by concentric layers of aluminium wire.

The higher strength ACSR Conductor is used for river crossings, overhead ground wires, installations involving extra-long spans. Against any given resistance of conductor, ACSR may be manufactured for having a wide range of tensile strength as per requirement. The principal advantage of these conductors is high tensile strength so that they are used for longer spans with less supports.

AAC – ALL ALUMINIUM CONDUCTORS



AAAC – ALL ALUMINIUM ALLOY CONDUCTORS

AAAC conductors are generally made out of aluminium alloy 6201 (Minimum Conductivity is 54%). AAAC Conductor has a better corrosion resistance and better strength to weight ratio and improved electrical conductivity than ACSR Conductor on equal diameter basis. Since AAAC has higher strength to weight ratio, span can be increased resulting in overall reduction of cost in tower and other accessories in transmission line systems.

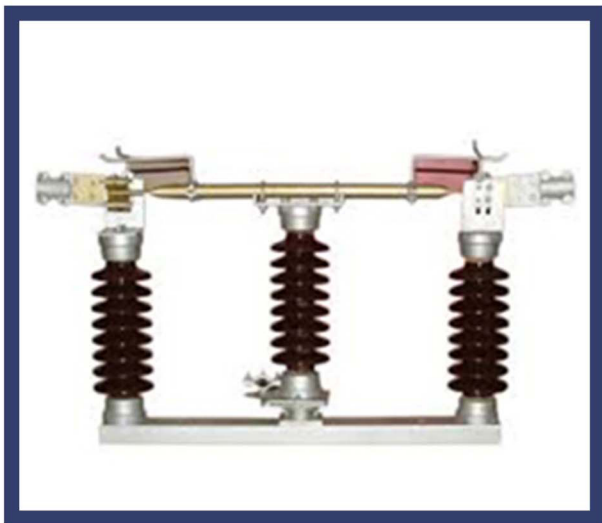
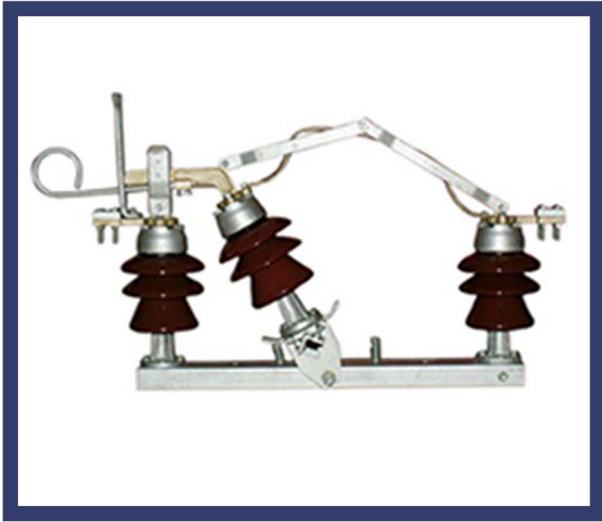


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HT Isolators & Disconnectors



Applications

These disconnectors are, no load switching devices which physically isolate the lines. They are designed for horizontal outdoor application and can also be designed for vertical installation. For earthing and closing of switchyard portions of the installation, the earthing switches are provided on disconnector. If required.

Rate Current Rating

400 Amps-1250 Amps-3150 AMPS
630 Amps-2000 Amps-4000 AMPS
800 Amps-2500 Amps-

Voltage Rating

12 kV-110 kV-420 kV
36 kV-145 kV-765 kV
72.5 kV-245 kV-

Type

- a. Center Break
- b. Double Break Turn & Twist
- c. Double Break Banging
- d. Vertical Break
- e. Semi Pentograph
- f. Pentograph



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Distribution Fuse Cutout



The Expulsion Fuse Cutout provides safe and reliable protection to the distribution networks. The cutouts are designed to offer excellent protection solutions against system overloads and short circuit fault currents. The unique design phenomenon is to enable rapid fault clearance at a faster time.

Applications

The Expulsion Fuse Cutouts (DDLO's) is manufactured suitable for system ratings from 10 kV to 36 kV. The main applications of the Expulsion Fuse Cutouts are for protection of overhead distribution systems, transformers and capacitors. These cutouts are compatible for "K" Type and "T" type fuselinks, current rating from 1 A to 200 A may be used. The selection of the fuselinks depends on the type and rating for a particular application and the type of equipment required to be protected against overloads and other fault currents. For the detail pertaining to the selection of the fuselinks, references shall be taken from the Fuse Selection Chart provided by the manufacturer.

Rating

1. The Rating of the Expulsion Fuse Cutouts (DDLO) is expressed in terms of voltage & current rating.
2. Standard voltage rating are maintained between 11/12 kV, 22/24 kV and 33/36 kV.
3. The fuse cutouts are capable of carrying a maximum current of 100A and 200A.



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Exothermic Weldings



Exothermic welding is simple, cost efficient, self contained process of forming high quality connections. This process requires no external power or heat source making it completely portable. It uses high temperature reaction of powdered copper oxide and aluminium, within a mould, to form permanent connections.

Exothermic Welding is a molecular bonding of high conductivity high copper content alloy (in excess of 93%) and high corrosion resistance.

Exothermic welding connection meets to standard as -UL 467 (grounding and bonding equipment)
-IEEE STD 837 – 2002 (IEEE standard for qualifying permanent connections used in substation grounding)



Contact for any Enquiry

+91 88796 97799

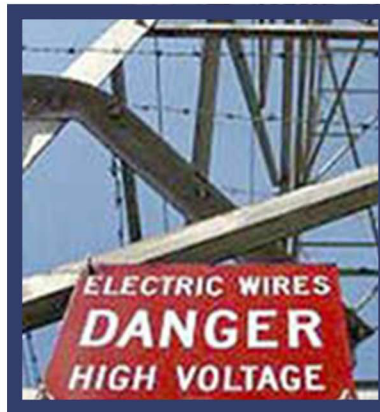
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Safety Equipments



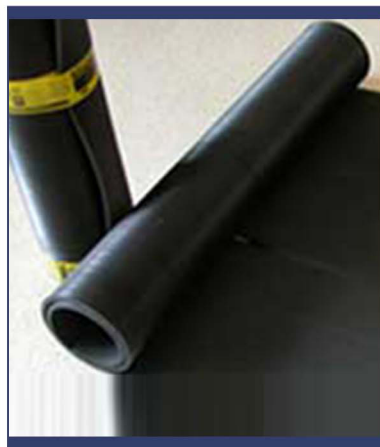
RUBBER HAND GLOVES

High voltage rubber hand gloves rating from 15Kv to 33 KV of all brands. The rubber gloves being manufactured from highly purified natural rubber latex. The gloves are put through a series of stringent test to ensure that they resist in different operating condition and meet customer needs.



VITREOUS ENAMELED DANGER (CAUTION) BOARD

We offer Vitreous enameled danger (caution) Board of all rating and sizes. These boards can be of different shapes and designs. These boards have a long life and are graffiti proof. The colors are fast, weather resistant and don't fade even when exposed to the sun or the rain.



RUBBER MATS

Rubber mats are made of high quality rubber with ISI rating. Electrical safety matting is suitable for use where enhanced safety is required around electrical installations such as switchboards or other high voltage equipment, where operators or specialist maintenance staff may risk accidental electric shock, and our rubber matting will reduce the risk of serious injury or fatality.

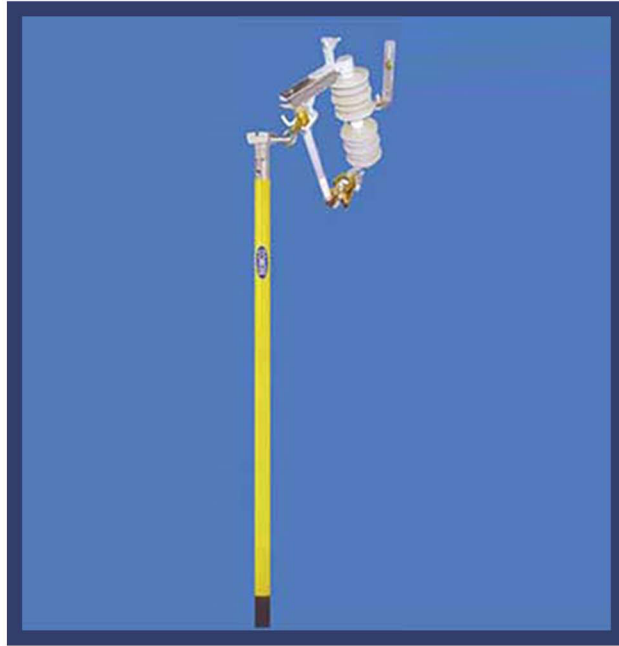


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Safety Equipments



FRP TELESCOPIC OPERATING ROD

Safety equipments like FRP Telescopic Operating Rod (11 to 36 KV), FRP Telescopic Earth - Discharge Rod (11 to 400 KV), FRP Telescopic Tree Branch Trimmer, H.T Discharge Rod, L.T Discharge Rod, FRP Telescopic Hot Line Stick (11 to 36 KV), Isolator Blade Alignment On/off Rod, FRP Pultruded Cross Arm, FRP Pultruded Ladders, FRP Pultruded Cable Trays, FRP Pultruded Gratings, FRP Pultruded Battery Box Stand. FRP Pultruded Profiles, Glass Epoxy Rod, Composite Insulators (11 to 33 KV), Composite Air Break Switch. Composite Drop out Fuse.

Specifications:

1. Fiber glass profiles manufactured from high quality epoxy resin
2. Manufactured in Automatic Protrusion plant
3. Strong electrical & mechanical strength
4. Super smooth glossy finish prevent moisture
5. Excellent dielectric strength
6. Unique telescopic design easy to assemble & easy to operate
7. Equipped with FRP/Rubber insulator to increase creepage distance
8. Bottom provided with slip resistance rubber grip
9. Canvas cover bag for protection of equipment
10. Tested as per IS & IEC standard.



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