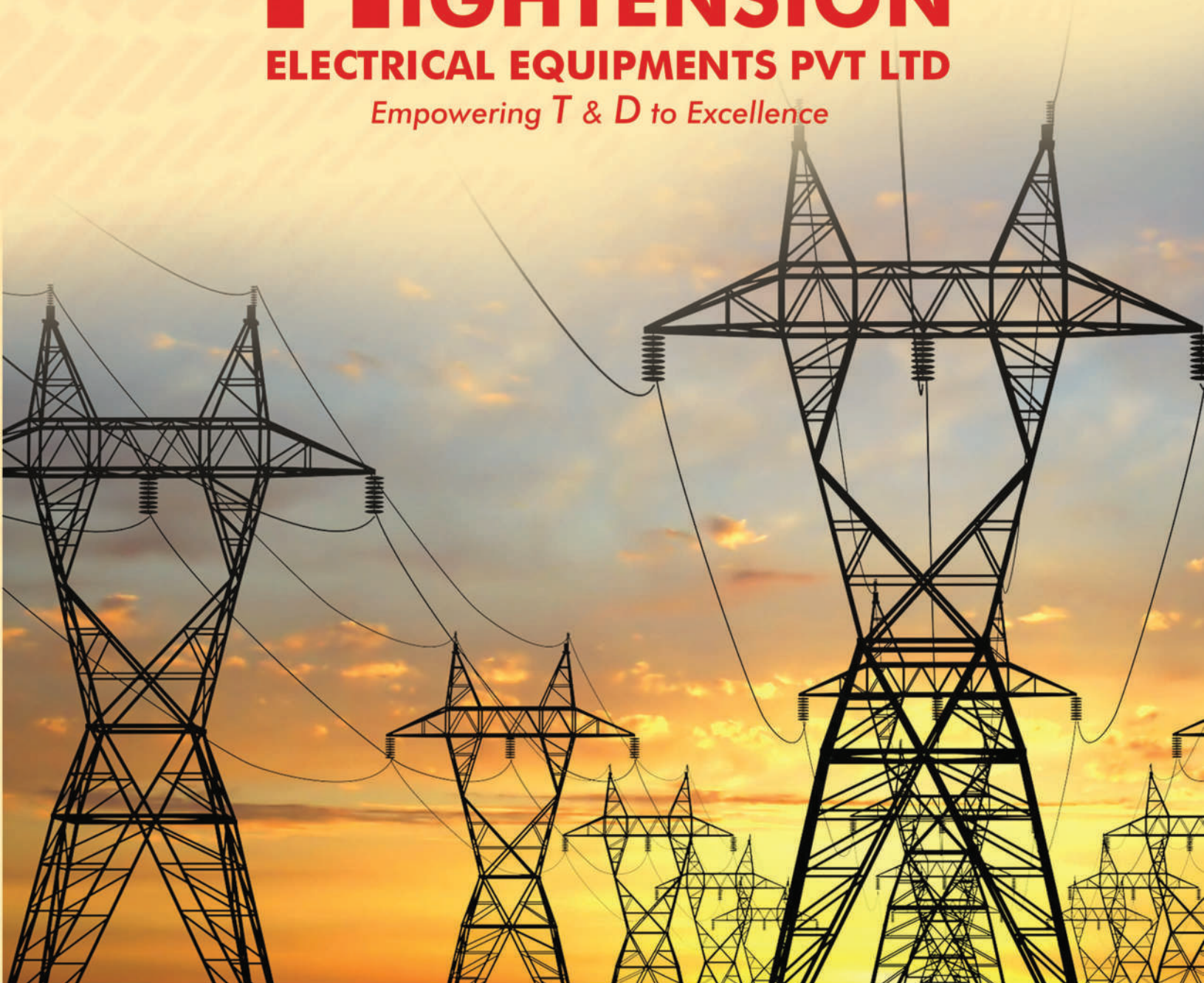




HIGHTENSION

ELECTRICAL EQUIPMENTS PVT LTD

Empowering T & D to Excellence





HIGHTENSION
ELECTRICAL EQUIPMENTS PVT LTD
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HIGHTENSION ELECTRICAL EQUIPMENTS PVT. LTD.

An ISO 9001:2015 Certified Company,
Founded by Mr. Suresh Kumar Jaiswal, Chairman of the concern since inception in the year 1986., We are a trusted designer, manufacturer, and supplier of LV, MV & HV Over Head Line Materials and Equipments for Distribution & Transmission line and Sub-Station upto 400 KV.

We are approved vendor for Powergrid and all State Electricity Boards in India and various global utilities like NEPAL(NEA), U.A.E. (TAQA, AADC, EHIHAD), SAUDI ARABIA, OMAN, QATAR, IRAQ, KENYA, TANZANIA, MALAWI, GHANA, LIBERIA, SIERA LEONE, UGANDA, GAMBIA and TRINIDAD & TOBAGO etc.

We have latest Equipments as per International Standards, adequate In-house testing facilities for chemical, mechanical & electrical tests. Our Products Test Certificates are from CPRI, ERDA, NSIC, ERTL and NABL Accredited Laboratory. All our measuring & monitoring equipments are calibrated from NABL accredited labs.

Supported by experience design team to deliver perfection with latest AUTO-CAD version for drawing & design as desired by Clients.

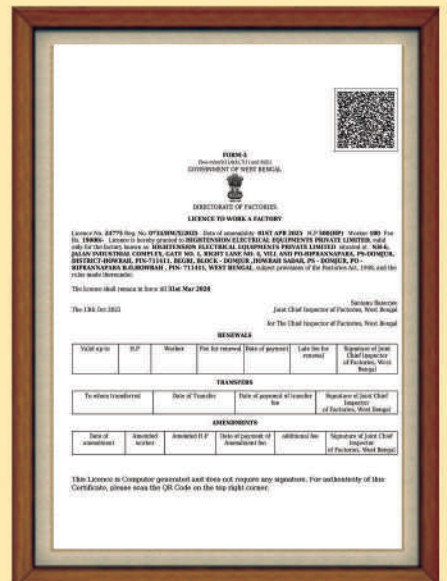
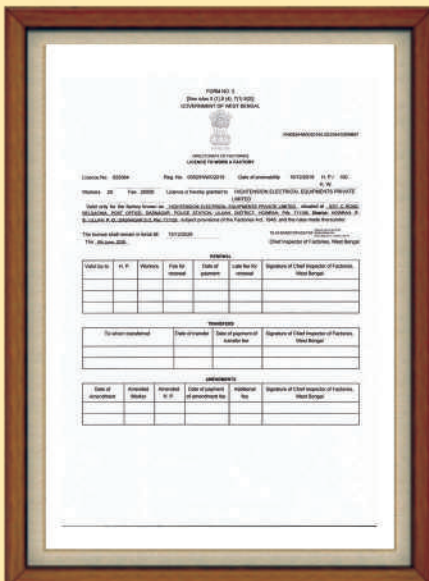
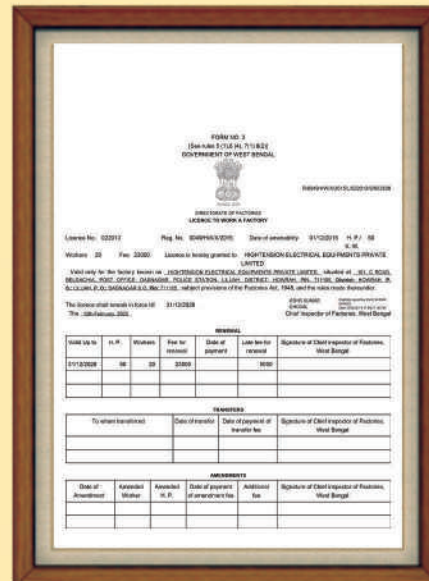
Our technical expert diligent team maintains strict vigilance various stages of production as per our standard quality specified from raw materials procurements up to delivery of materials.

Supported by after sales service if as on required basis to ensure the quality.



Chairman's Speech

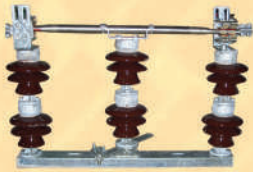
Our commitment to success is fulfilment of customer's need and their dissatisfaction by supplying Quality products on stipulated time schedule.







ROTATING TYPE ISOLATOR AND EARTH SWITCH



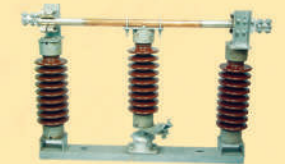
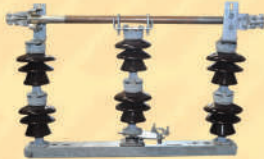
Application : Gang Operated, Rotating Type Suitable for Outdoor application.

Mounting Types : Horizontal.
Off load type, Double Break or single break

Voltage Rating : 10 - 36 kV
Current Rating : 200,400,630,800,1250 Amps. and 10 - 32 kA for 1/3 Sec.

Design Available : 3 post per phase, 2 post per phase single break, Double Break single stack, Double stack or solid core type in 24/36 kV.

Type of Insulator : Porcelain as well as polymeric
Applicable Standard : IEC 62271-102, BS & IS



GANG OPERATED AIR BREAK ISOLATING SWITCHES



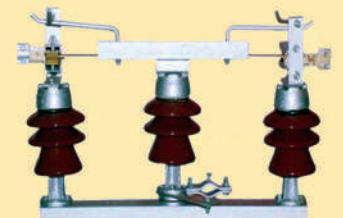
Application : Gang Operated, Rocking type & Rotating Type Suitable for Outdoor application.

Mounting Types : Vertical or Horizontal.
Off load type, Load break Switch

Voltage Rating : 10 - 36 kV.
Current Rating : 200,400,630 Amp. and 10 - 25 kA for 1 Sec.

Design Available : 3 post per phase, 2 post In 12 kV per phase, double stack or solid core type in 24/36 kV.

Type of Insulator : Porcelain as well as polymeric
Applicable Standard : IEC 62271-102, BS & IS .





DROP OUT AND HORN GAP FUSES



- Application : Horn Gap or Drop out Type
Suitable for Outdoor application.
- Mounting : Horizontal / Vertical
- Types : Expulsion Type
- Voltage Rating : 10-36 kV.
- Current Rating : 100, 200, 400 & 630 Amp
- Design Available : Single Stack, double stack or solid core type in 10-36 kv.
- Type of Insulator : Porcelain as well as polymeric
- Applicable Standard : IEC 60282/61109/282, BS & IS

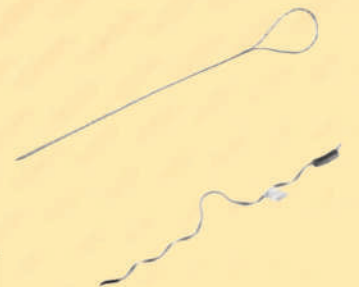


STAY SET AND ACCESSORIES

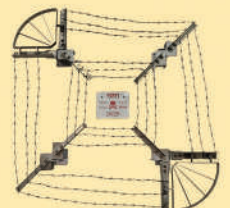
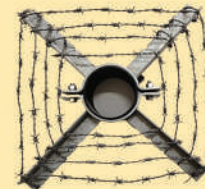
- Items : Stay Rod, Plate and Thimble for LV& MV.
- Material : Steel
- U.T.S : 40-120 KN
- Standard : IS: 2486, BS : 3288



- Items : Stay Guy Grip, Pole top make off, Top Tie & Side Tie
- Material : Steel
- U.T.S : 40-120 KN
- Standard : IS: 2486, BS : 3288



TOWER ACCESSORIES





POLE LINE HARDWARE & ACCESSORIES UPTO 66 KV.

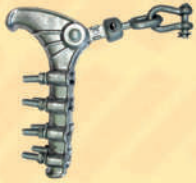


Items : ACSR/AAAC Tension or Anchoring B&S and T&C type fittings upto 66 kV.

Material : Forged steel, Mild steel & Aluminium Alloy.

U.T.S : 45-90 KN.

Standard : IS:2486, BS:3288 & IEC-61284



Items : ACSR/AAAC Suspension fittings upto 66 kV.

Material : Forged steel, Mild steel & Aluminium Alloy.

U.T.S : 45-90 KN

Standard : IS:2486, BS:3288 & IEC-61284



Items : Forging Components

Material : Forged Steel

U.T.S : 45-160 KN

Standard : IS:2486, BS:3288 & IEC-61284



Items : Clamps and Connectors up to 400kV

Material : Aluminium Alloy and Steel

Standard : IS:5561 & IEC:61284 etc.



Items : Pin Insulators and Line post Insulators upto 66 kV

Material : Forged steel, Mild steel, SGI, Silicon Rubber, Porcelain & Aluminium Alloy.

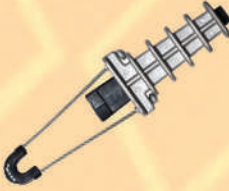
U.T.S : 10-15 KN

Standard : IS:2486 & IEC:60120 etc.





TENSION CLAMP/ANCHOR CLAMP




ITEM CODE : TCAB-01
CABLE RANGE : 16-95mm²
BREAKING LOAD : 15 KN
MATERIAL :
• Body: High Strength cast aluminium alloy.
• Wedges: UV and weather resistant, high strength engineering-plastic.
• Bail : Corrosion Resistant Flexible Stainless Steel Wire
STANDARD : NF C 33-041



ITEM CODE : TCAB-02
CABLE RANGE : 16-95mm²
BREAKING LOAD : 5 KN
MATERIAL :
• Body and Wedge: UV and weather resistant, high strength engineering-plastic.
• Bail : Corrosion Resistant Flexible Stainless Steel Wire
STANDARD : NF C 33-041



ITEM CODE : TCAB-03
CABLE RANGE : 16-180mm²
BREAKING LOAD : 20 KN
MATERIAL :
• Body: High Strength cast aluminium alloy.
• Wedges: UV and weather resistant, high strength engineering-plastic.
• Bail : Corrosion Resistant Flexible Stainless Steel Wire
STANDARD : NF C 33-041



ITEM CODE : TCAB-04
CABLE RANGE : 16-225 mm²
BREAKING LOAD : 20 KN
MATERIAL :
• Body: High strength Aluminium alloy.
• U Bend & Nuts: Galvanized steel
STANDARD : Client / Customer specification

INSULATION PIERCING CONNECTORS




ITEM CODE : IPCAB-01
CABLE RANGE : 16-95mm²
MATERIAL :
• Body: Black High strength engineering-plastic used for mechanical reliability of the connector.
• Contact Plates: Tinned Copper or Tinned Copper Alloy or Aluminium or Aluminium Alloy.
• Fasteners: Galvanised Steel.
• Shear Nut: Aluminium or Aluminium Zinc Alloy
STANDARD : NFC 33 020



ITEM CODE : IPCAB-02
CABLE RANGE : 16-95mm²
MATERIAL :
• Body: Black High strength engineering-plastic used for mechanical reliability of the connector.
• Contact Plates: Tinned Copper or Tinned Copper Alloy or Aluminium or Aluminium Alloy.
• Fasteners: Galvanised Steel.
• Shear Nut: Aluminium or Aluminium Zinc Alloy
STANDARD : NFC 33 020



ITEM CODE : IPCAB-03
CABLE RANGE : 16-120 mm²
MATERIAL :
• Body: Black High strength engineering-plastic used for mechanical reliability of the connector.
• Contact Plates: Tinned Copper or Tinned Copper Alloy or Aluminium or Aluminium Alloy.
• Fasteners: Galvanised Steel.
• Shear Nut: Aluminium or Aluminium Zinc Alloy
STANDARD : NFC 33 020



ITEM CODE : IPCAB-04
CABLE RANGE : 16-180 mm²
MATERIAL :
• Body: Black High strength engineering-plastic used for mechanical reliability of the connector.
• Contact Plates: Tinned Copper or Tinned Copper Alloy or Aluminium or Aluminium Alloy.
• Fasteners: Galvanised Steel.
• Shear Nut: Aluminium or Aluminium Zinc Alloy
STANDARD : NFC 33 020



SUSPENSION CLAMP



ITEM CODE : SCAB-01
CABLE RANGE : 16-70 mm²
BREAKING LOAD : 10 KN
MATERIAL : • Body: UV and weather resistant, high strength engineering-plastic.
• Lock : UV resistant, high strength engineering-plastic
STANDARD : NF C 33-040



ITEM CODE : SCAB-02
CABLE RANGE : 35-95 mm²
BREAKING LOAD : 10 KN
MATERIAL : • Body: UV and weather resistant, high strength engineering-plastic.
• Movable Link: UV and weather resistant, high strength engineering-plastic.
• Lock : UV resistant, high strength engineering-plastic
STANDARD : NF C 33-040



ITEM CODE : SCAB-03
CABLE RANGE : 16-95 mm²
BREAKING LOAD : 12 KN
MATERIAL : • Body: UV and weather resistant, high strength engineering-plastic.
• Movable Link: UV and weather resistant, high strength engineering-plastic.
• Lock : UV resistant, high strength engineering-plastic
STANDARD : NF C 33-040



ITEM CODE : SCAB-04
CABLE RANGE : 16-175 mm²
BREAKING LOAD : 15 KN
MATERIAL : • Body : Alu. Alloy.
• Insulation : UV and weather resistant, high strength engineering-plastic.
• Lock: MS. H.D.G Bolt with Alu. keeper
STANDARD : NF C 33-040



ITEM CODE : SCAB-05
CABLE RANGE : 25-120 mm²
BREAKING LOAD : 7 KN
MATERIAL : • Body : Hot dip galvanized steel
• Insert : UV and weather resistant elastomer
• Bolts : Galvanized steel
STANDARD : EN5048-2



ITEM CODE : SCAB-06
CABLE RANGE : 16-225 mm²
BREAKING LOAD : 20 KN
MATERIAL : • Body: Alu. Alloy.
• Lock: MS. H.D.G "U" Bolt with Alu. Keeper
STANDARD : NF C 33-040

INSULATED JOINTING SLEEVE



ITEM CODE : IJSAB-01
CABLE RANGE : 16-95 mm²
BREAKING LOAD : 6.3-12.6 KN
MATERIAL : • Aluminum barrel factory filled with oxide inhibiting compound.
• Insulation Material: UV and weather resistant engineering plastic
• Seal Ring: UV Resistant Elastomer. Colour identification for each size.
STANDARD : NFC 33-021



MVCC FITTINGS & ACCESSORIES 11KV TO 33 KV UPTO 260 SQ. MM.



- Items : Tension/ Anchor fittings for MVCC
Material : Steel, Aluminium Alloy & UV Resistant Thermo Plastic.
U.T.S : 30-160 KN
Standard : EN 50397-2 & NFC 33-041



- Items : Suspension fittings for MVCC
Material : Steel & UV Resistant Rubber
U.T.S : 70-160 KN
Standard : EN 50397-2 & NFC 33-041



- Items : Insulation piercing Connectors (IPC)
Material : UV Resistant Thermo Plastic, Aluminium Alloy rubber & Aluminium Alloy/ Tinned Copper
Standard : EN 50397-2 & NFC 33-033,004,020 & EN 6000068-1



- Items : Midspan/ Jointing Sleeve for MVCC
Material : UV Resistant Thermo Plastic & Aluminium Alloy rubber.
Standard : EN 50397-2 & NFC 33-033,004,020 & EN 6000068-1



- Items : Helical Top Tie for Polymer/ Porcelain Insulator for MVCC Conductor.
Material : UV Resistant PVC
Standard : EN 50397-2



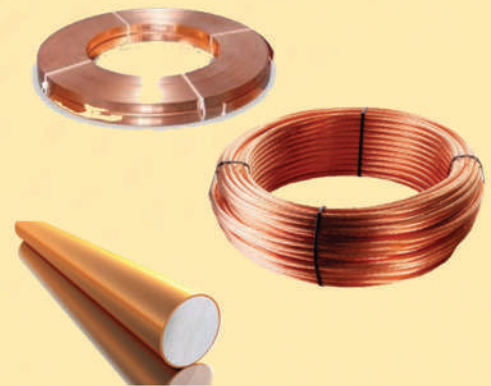


EARTHING ROD, EARTH PIPE & COPPER LIGHTNING SPIKE



EARTHING CLAMPS & CONNECTORS

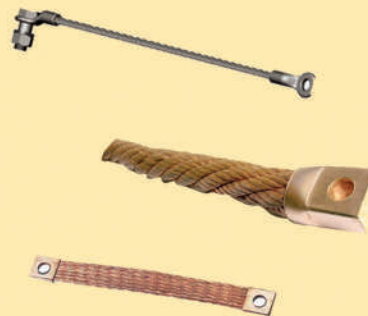
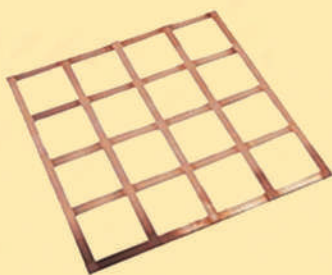
COPPER CONDUCTOR & COPPER FLAT



COPPER EARTH MAT

FLEXIBLE GI & COPPER BOND

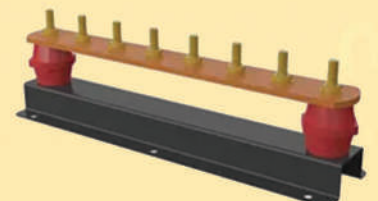
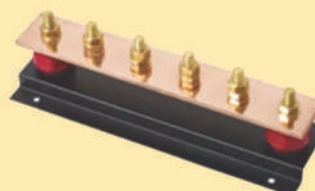
COPPER AIR TERMINAL BASE



COPPER DISCONNECTING TEST LINK

6 WAY EARTH BARS

8 WAY EARTH BARS





EXOTHERMIC WELDING MOULD



EXOTHERMIC WELD POWDER



EXOTHERMIC WELDING KIT



EXOTHERMIC WELDING JOINT





FABRICATION ITEMS FOR POLE LINE



Anchor Harrow



Bolt, Nut & Washer



Angle



NV Cross Arm



Pilot Plate



Fabrication Channel

POLE CLAMPS & UNIVERSAL CLAMPS



POLE ACCESSORIES



D-Iron Bracket, Bolt, Nut & Washer



Eye Bolt Nut and Washer



Pigtail Hook



Reel Insulator Bolt



Ball Ended Pigtail Hook



Threaded Rod, Nut & Washer



OPGW HARDWARE AND ACCESSORIES UPTO 96 FIBER



OPGW Suspension Assembly



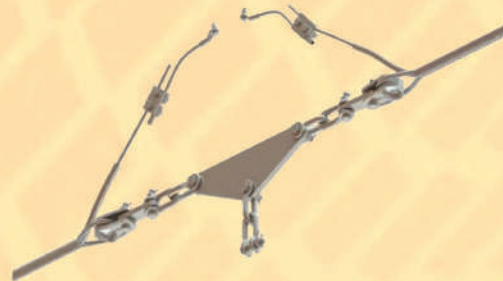
OPGW Tension Assembly



OPGW Double Tension Assembly



OPGW Double Tension Assembly
(Passing Through Type)



OPGW Double Tension Assembly
for Tower



OPGW Vibration Damper



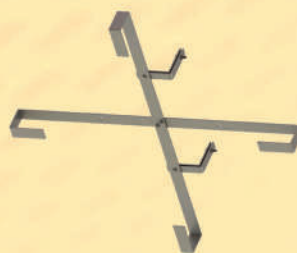
OPGW Downlead Clamp



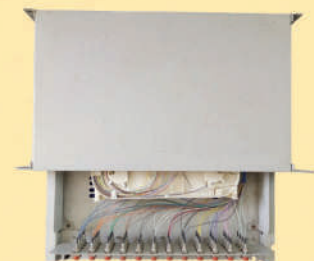
PG Clamp for OPGW



Joint Box for OPGW



Cable Storage Bracket for OPGW



Terminal Box for OPGW



LUGS

Aluminium, Copper & Bimetallic Lugs up to 1000 sq.mm.

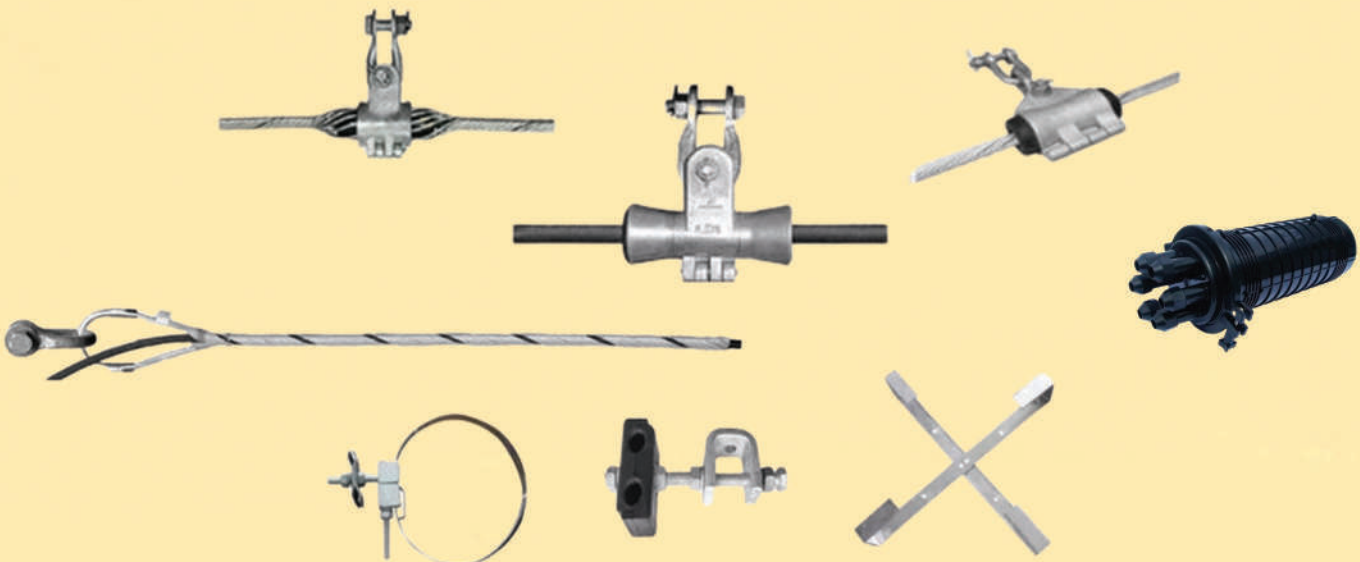


CABLE GLAND

Aluminium, Copper, SS & Brass Gland up to 600 sq.mm.

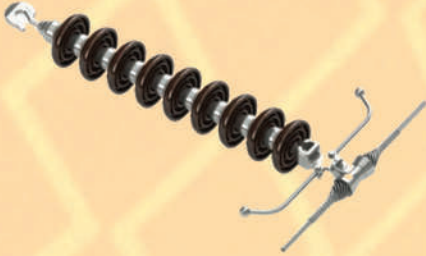


ADSS CABLE HARDWARE AND ACCESSORIES UPTO 300SQ. MM.



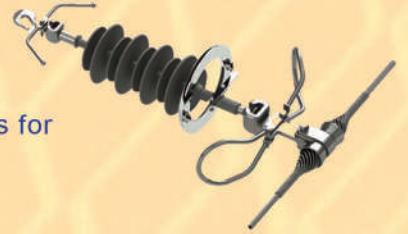


TRANSMISSION HARDWARE UPTO 220KV



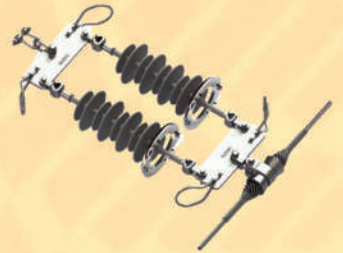
Item : Single Suspension Hardware fittings for
AAAC/ ACSR Conductor

U.T.S : 70-120 KN



Item : Double Suspension Hardware fittings for
AAAC/ ACSR Conductor

U.T.S : 70-120 KN



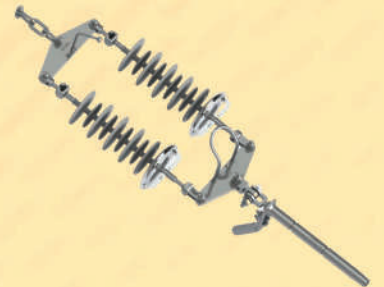
Item : Single Tension Hardware fittings for
AAAC/ ACSR Conductor

U.T.S : 70-160 KN



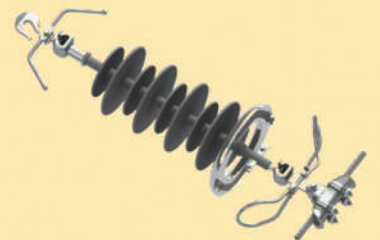
Item : Double Tension Hardware fittings for
AAAC/ ACSR Conductor

U.T.S : 70-160 KN



Item : Single Suspension Pilot fittings for
AAAC/ ACSR Conductor

U.T.S : 70-120 KN



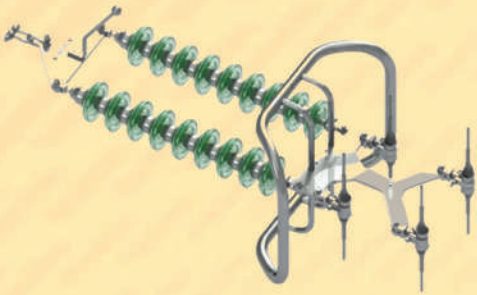


TRANSMISSION HARDWARE 400KV



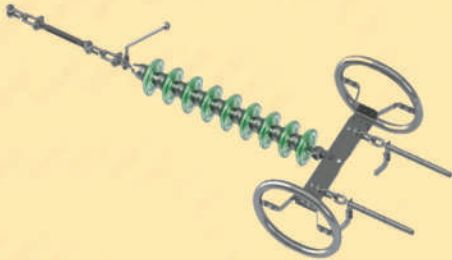
Item : Single Suspension 'I' Hardware fittings for
Twin AAAC/ ACSR Conductor

U.T.S : 120 KN



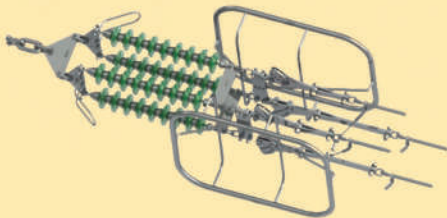
Item : Double Suspension 'I' Hardware fittings for
Twin AAAC/ ACSR Conductor

U.T.S : 120 KN



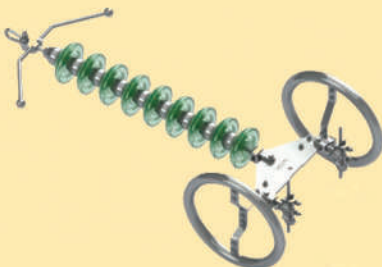
Item : Single Tension Hardware fittings for
Twin AAAC/ ACSR Conductor

U.T.S : 160 KN



Item : Double Tension Hardware fittings for
Quad AAAC/ ACSR Conductor

U.T.S : 640 KN



Item : Single Suspension Pilot fittings for
Twin AAAC/ ACSR Conductor

U.T.S : 120 KN



TRANSMISSION HARDWARE 765 KV

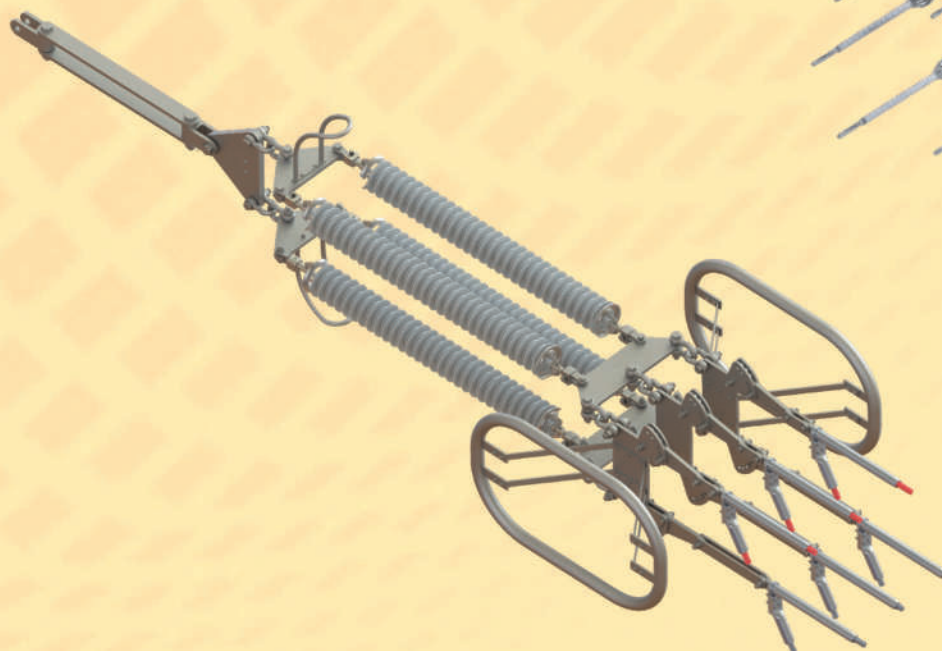


Item : Double Suspension Pilot Hardware
String For Hex Conductor

U.T.S : 240 KN

Item : Double Suspension Hardware
String Hex Conductor

U.T.S : 240 KN

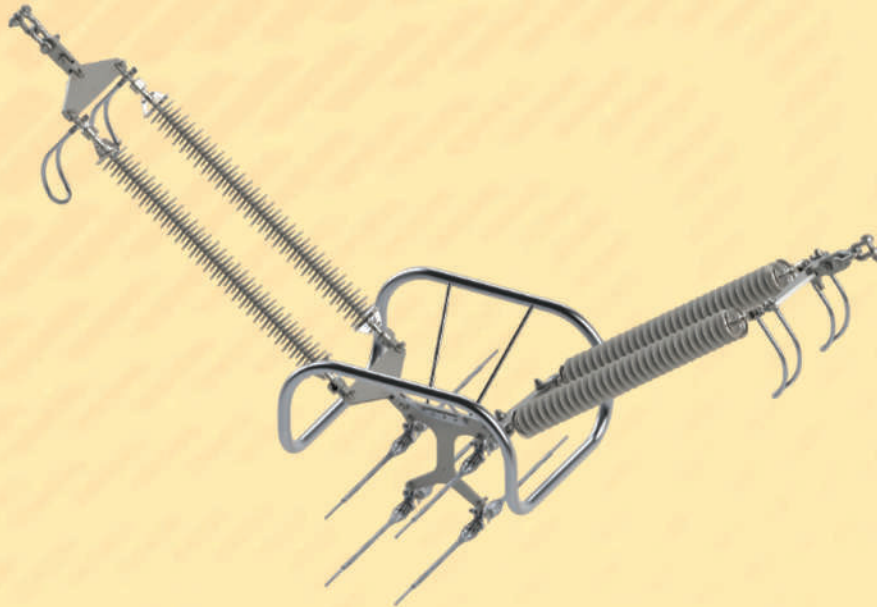


Item : Quad Tension Hardware For Hexa Conductor

U.T.S : 920 KN



TRANSMISSION HARDWARE 765 KV



Item : Quad V Suspension Hardware String
For Quad Conductor

U.T.S : 240 KN

SUB-STATION CLAMPS & CONNECTORS Upto 400kv





ACCC-HTLS FITTINGS UPTO 220KV



Item : HTLS Dead Fittings
U.T.S : 120 KN



Item : HTLS T Connector
U.T.S : 120 KN



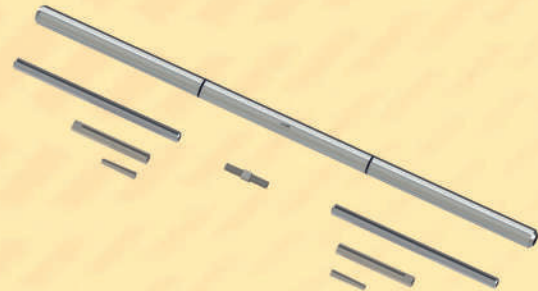
Item : HTLS Suspension Fittings
U.T.S : 120 KN



Item : HTLS Tension Hardware Fittings
U.T.S : 120 KN



Item : HTLS Repair Sleeve
U.T.S : 95% of Conductor U.T.S



Item : HTLS Midspan Joints
U.T.S : 95% of Conductor U.T.S



Item : HTLS Vibration Damper
U.T.S : 95% of Conductor U.T.S



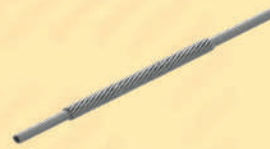
CONDUCTOR & EARTH WIRE ACCESSORIES



Midspan Joint



Repair Sleeve



Reformed Armour Rod



Earth Wire Tension



Vibration Damper



T- Connector



Twin Spacer Damper



Bundle Spacer Damper



Quad Spacer Damper



Quad Rigid Spacer



Hexa Spacer Damper



Flexible Cu-Bond



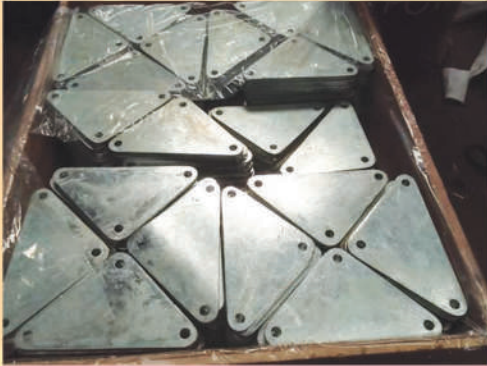
Earth Wire Suspension



Earth wire



READY FOR DESPATCH





OUR OFFICE / FACTORY



Unit -1 :

101, 'C' Road, Belgachia, P.O.: Dasnagar,
Howrah - 711 105 (West Bengal) India



Unit -2 :

97/7, 'C' Road, Belgachia, P.O.: Dasnagar,
Howrah – 711 105, (West Bengal) India



Unit -3:

Jalan complex, Gate No. -1, Lane No. -1,
Biprannapara Jangalpur , P.S.: Domjur
Howrah - 711411, (West Bengal)India



Unit -4:

Jalan complex, Gate No. -1, Lane No. - 4,
Biprannapara Jangalpur , P.S.: Domjur
Howrah - 711411, (West Bengal)India

HIGHTENSION

ELECTRICAL EQUIPMENTS PVT LTD

Empowering T & D to Excellence

Office & Works:

Unit -1 :

101,'C' Road, Belgachia, P.O.: Dasnagar,
Howrah - 711 105 (West Bengal) India

Unit -2 :

97/7, 'C' Road, Belgachia, P.O.: Dasnagar,
Howrah – 711 105, (West Bengal) India

Unit -3 :

Jalan complex, Gate No. -1, Lane No. -1,
Biprannapara Jangalpur , P.S.: Domjur
Howrah - 711411, (West Bengal)India

Unit - 4

Jalan complex, Gate No. -1, Lane No. - 4,
Biprannapara Jangalpur , P.S.: Domjur
Howrah - 711411, (West Bengal)India

Tel: + 91 9883512924 | +91 33 2651 0209

Fax: + 91 33 2651 0210

Email: heep1@hightension.in / amit@hightension.in / intl@hightension.in

Website: www.hightension.in