



GK Xianghe Electricals Pvt. Ltd

Composite Insulators

**An INDO-CHINA joint venture project in India of
GK Electricals Bhopal, and
Zhengzhou Xianghe Group Electric Equipment
Manufacturing Company Limited
Peoples' Republic of China.**

G K Xianghe Electricals Pvt. Ltd.

INDO-CHINA joint venture project

G K Xianghe Electricals Private Limited, is a joint venture project in India, formed by the promoters of GK Electricals, an Indian partnership firm and Zhengzhou Xianghe Group Electric Equipment Manufacturing Company Limited, a state owned company from the Peoples' Republic of China.

G K Electricals, Bhopal has been engaged in the business of manufacture of electrical switching and safety equipments used by various utilities and high tension consumers over the last two decades and has earned a name for itself and has also developed a good customer network across the country & abroad.

Zhengzhou Xianghe Group Electric Equipment Manufacturing Company Ltd. is a state enterprise specializing in manufacturing of hi-tech equipments. This company enjoys rich fund resources, technology, perfect QA& QC system, and abundant experiences on operation and management. The company specializes in manufacturing all kinds of high-voltage and low-voltage switch cabinets, post vacuum switch, box-type substation, cable branching box, and various high-voltage and low-voltage equipment and electromechanical fittings; 10-500KV silicone composite insulator, zinc oxide arrester, composite support insulator, transformer shield, heat shrink bushings, 35-110KV dry-type wall penetration bushing and S9, S11/10-35KV series of transformers. Zhengzhou Xianghe Group of Electric Equipment Manufacturing Company Ltd of Peoples Republic of China is a subsidiary company of Govt. owned Henan. Electric Power Company. The Henan Electric Power Company maintains and operates the transmission network in Henan province of China. Its transmission network is an integral part of the Central China Power Network, which covers Henan, Hubei, Hunan, and Jiangxi provinces. The Henan power transmission network includes seventy two 220 kV transmission lines with a total length of 4,749 km. It is connected to the CCPN via one 500KV and two 220KV transmission lines. Henan Province is located in eastern central China and has a total area of 167,000 sq.kM and a population of over 92 million, making it China's second most populous province.

GK Xianghe Electricals Pvt. Ltd was registered on 8th Aug 2007. The factory is located at Mandideep (MP) India & has capacity for manufacture of silicon insulators up to 1000kV conforming to international specifications and standards for application in power transmission & distribution networks.

Composite Insulator technology offers good performance under atrocious weather conditions. This ensures high reliability of power supply for tropical climates, saline atmospheres & mining areas. These insulators are a superior alternative to ceramic insulators for transmission & distribution systems due to :

- Lighter weight
- Higher resistance to flashovers in polluted atmosphere
- Not puncturable
- Unique hydrophobicity character
- Maintenance free
- Higher mechanical strength
- Unbreakable

Range of products

Conforming to IEC 61109

Long rod composite insulators

- 45kN for 12 kV & 36 kV systems.
- 70 kN & 90 kN for 110 kV systems
- 70 kN, 90 kN & 120 kN for 145 kV systems
- 160 kN, 180 kN & 210 kN for 220 kV & 500 kV systems

Pin insulators

- 5 kN for 12 kV
- 10kN for 36 kV

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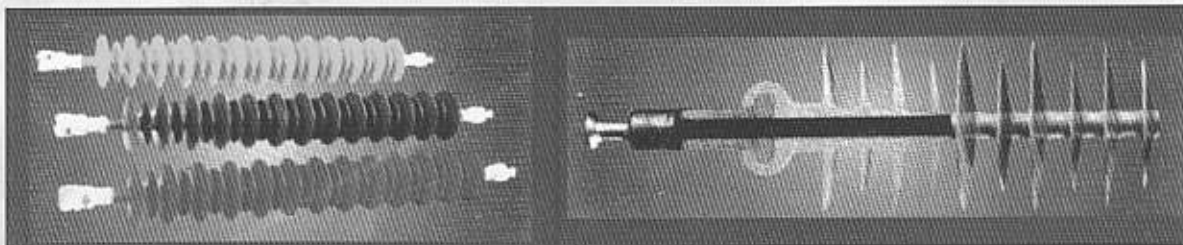
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Technical Parameters

Type	Rated Voltage kV	Rated Machinery Load kN	Structure Height mm	Min. Arc Distance mm	Min. Normal Leakage Distance mm	Lighting Impulse Withstand Voltage kVp	Operation Impulse Withstand Voltage kVp	1 Min Power Frequency Wet Withstand Voltage kV	Connection Mark
FXBW ₄ - 10/70	10	70	450	265	530	100	/	40	16
FXBW ₄ - 35/70	35	70	650	450	1130	250	/	120	16
FXBW ₄ - 110/70	110	70	1240	1030	3300	550	/	230	16
FXBW ₄ - 110/100	110	100	1240	1030	3300	550	/	230	16
FXBW ₃ -220/100	220	100	2150	1940	6200	1000	/	280	16
FXBW ₄ -220/100	220	100	2240	2000	6300	1000	/	380	16
FXBW ₃ -220/160	220	160	2150	1940	6200	1000	/	380	20
FXBW ₄ - 220/160	220	160	2240	2000	6300	1000	/	380	20
FXBW ₄ -500 /160	500	160	4450	4100	13670	2050	1240	740	20
FXBW ₄ - 500/210	500	210	4450	4100	13670	2050	1240	740	20



G.K.
ELECTRICALS

G.K. Xianghe Electricals Pvt. Ltd.

Sino
ELECTRIC

Administrative Office : 6A Sector -F industrial area, Govindpura, Bhopal

Phone : 91-0755-2586160 Fax : 91-0755-2784630.

Factory : D 4, Phase II, New Industrial Area, Mandideep, Dist. Raisen, M.P. India