

运行证明

Operation Certification

江苏神马电力股份有限公司为 500kV 聊城变电站提供 36 支变电站复合绝缘子。

Jiangsu Shemar Electric Co., Ltd. provided 36 pieces of substation composite insulators for 500kV Liaocheng substation.

供货清单如下：

The supply list is as follows:

应用设备 Application Equipment	电压等级 Voltage grade	变电站绝缘子类型 Type of Substation Composite insulator	供货数量 Quantity
互感器 Instrument transformer	500kV	空心复合绝缘子 Hollow composite insulator	36
合计：Total			36

2003 年 7 月，聊城变电站成功投入运行。聊城变电站位于中国山东省聊城市，聊城市处于温带季来风气候区，具有显著的季节变化和季风气候特征，属半干旱大陆性气候。春季干旱多风，回暖迅速，光照充足，辐射强；夏季湿热多雨，雨热同步；秋季天高气爽，气温下降快，辐射减弱；冬季寒冷干燥，雨雪稀少，常有寒流侵袭。四季的基本气候特点可概括为“春旱多风，夏热多雨，晚秋易旱，冬季干寒”。

In July 2003, 500kV LIAOCHENG substation was successfully put into operation.

Liaocheng is located in a temperate monsoon climate zone, with significant seasonal changes and monsoon climate characteristics, and belongs to a semi-arid continental climate. The spring is dry and windy, with rapid warming, sufficient light, and strong radiation; the summer is humid and rainy, and the rain and heat are synchronized; the autumn sky is airy, the temperature drops very fast, and the radiation is weakened; the winter is cold and dry, the rain and snow are rare, and

the cold current often attacks. The basic climate characteristics of the four seasons can be summarized as "spring is dry and windy, summer is hot and rainy, late autumn is prone to drought, and winter is dry and cold".

至今为止,该变电站内神马所提供的所有的变电站复合绝缘子均运行状态良好,无任何质量事故;对复合外绝缘未进行任何针对性维护。

Till now, Shemar' s substation composite insulators are all in good condition without any quality accident. There is no any special maintenance for composite external insulation.

特此证明。

Hereby certificate

单位名称:(公章):

Office Sealing:

日期:

Date:

