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**ELECTRIC POWER INDUSTRY STANDARD OF THE
PEOPLES REPUBLIC OF CHINA
中华人民共和国电力行业标准**

DL/T 935-2005

**Pipes and fittings of steel lined with plastics
钢塑复合管和管件**

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Foreword

This standard is drafted according to schedule of State Economic and Trade Commission's "Notification of issuing power industry standards planned to be drafted and revised in 2001" [Power industry [2001] document No.44).

Pipes of steel lined with plastics are widely used as anti-corrosion pipes in systems such as power plant water treatment, wastewater treatment, desulfurization system, etc. It has strength of a certain extent, excellent corrosion resistance and abrasive resistance while its construction and installation is convenient and it is safe as well as reliable for use.

This standard is drafted according to the present application situation of steel pipes lined with plastics in power industry and by referring to relevant domestic and overseas standards on the basis of summarizing mature production experience and research achievement of domestic manufacturer of steel pipes lined with plastics.

Annex C, D, E, F and annex G of this Standard are normative.

Annex A and annex B of this Standard are informative.

This Standard is proposed by China Electricity Council.

This Standard is under the jurisdiction of National Technical Committee of Materials in Electric Power Industry Material Standardization

This Standard is drafted by Standard and Quality Research Institute of Power Industry.

The participation drafting organizations of this part are Hangzhou Guodian Power Station Equipment Co.,Ltd., Zhejiang Tongqiu Environment Protection Pipes Co., Ltd. and Huadian Pipeline Engineering Technology Co. Ltd.

The main drafters of this Part: Shen Shoulin, Ma Rupo, Guo Hu and Lv Daohua.

This standard is interpreted by Standard and Quality Research Institute of Power Industry.

Pipes and fittings of steel lined with plastic

1 Scope

This standard specifies the dimension series, tolerance, service environment, technical requirements, inspection rules, etc of DN 25mm~DN 500mm pipes and fittings of steel lined with plastics.

This standard is applicable to anti-corrosion straight pipes and fittings of steel lined with plastic used in systems such as water treatment, wastewater treatment, desulfurization system, etc of power plant.

2 Normative references

The articles contained in the following documents have become this document when they are quoted herein. For the dated documents so quoted, all subsequent modifications (Including all corrections) or revisions made thereafter do not apply to this standard. However, the parties that reach an agreement according to this standard are encouraged to study whether the latest versions of these documents may be used. For the undated documents so quoted, the latest versions (including all modification sheets) apply to this document.

GB/T 8163 Seamless steel pipes for liquid service

GB/T 8923-1988 Rust grades and preparation grades of steel surfaces before application of paints and related products

GB/T 12459 Steel butt-welding seamless pipe fittings

GB/T 9114 Hubbed screwed steel pipe flanges with raised face

GB/T 9119 Slip-on-welding plate steel pipe flanges with flate face or raised face

GB/T 9121.1 Loose plate steel pipe flanges with weld-on collar with raised face

GB/T 9123.1 Steel pipe blank flanges with flat face or raised face

GB 11115 Low density polyethylene resin

GB 12670 Polypropylene (PP) resin

DL/T 695 Steel pipe butt welding fittings for power plant

DL/T 869 The code of welding for power plant

HG/T 2903 Finely granular Polytetrafluoroethylene resin used for molding

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