

**ELECTRIC POWER TRADE STANDARD OF THE  
PEOPLE'S REPUBLIC OF CHINA**

**THE CODE OF ERECTION AND ACCEPTANCE  
FOR ELECTRIC POWER CONSTRUCTION  
PIPING SECTION**

**DL 5031-1994**

Chief Editorial Department: Construction Cooperating Department of the Ministry of Power  
Industry Approved Department: The Ministry of Power Industry of P.R.C

**1994 Beijing**

## **NOTE**

This book is the English translation of The Code of Erection and Acceptance for Electric Power Construction Piping section DL 5031-94 In the event of any inconsistency between the Chinese-language text of the Code and the present English-language text of the Code, the Chinese-language text shall be taken as ruling.

**The Ministry of Power Industry of the People's Republic of China**

**The Notification of Issuing the Electric Power Trade Standard  
The Code of Erection and Acceptance for Electric Power  
Construction (Piping section)**

Electric Power Technology [1994] No.208

All electric power administrations, all electric power bureau, electric power planning institutes, and electric power construction institutes of provinces (municipalities directly under the Central Government, autonomous regions) and Water and Electric Power Press:

For adapting the development of electric power industrial technology and insuring the erection quality of pipes of thermal Power plant, the Code of Erection and Acceptance for Electric Power Construction (piping section) DJ 56-79 issued in 1979 had been revised by the ministry. The new code should be looked upon as electric power trade standard and the code number is DL 5031-94. The standard is approved and issued now and will be go into effect from Oct.!, 1994 and the older version should be abolished at the same time. Any question in the performing should be notified the Construction Cooperating Department of the ministry please.

**Apr 9, 1994**

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## 1.0 General rules

- 1.0.1 The code applies to the configuration, construction and acceptance of following pipes of thermal power plant and thermal power network:
  - 1.0.1.1 The main steam pipes of 600MW or lower subcritical parameter thermoelectric generating set and corresponding re-heating steam pipes and main water supply pipes;
  - 1.0.1.2 General steam and water pipes, thermal power network pipes and compressed air pipes in thermal power plant;
  - 1.0.1.3 Temporary pipes used in construction.
- 1.0.2 The code does not apply to the following:
  - 1.0.2.1 Cast iron pipes;
  - 1.0.2.2 Reinforced concrete pipes;
  - 1.0.2.3 Non-ferrous (titanium, copper and etc.) pipes;
  - 1.0.2.4 Nonmetal (plastic and etc.) pipes;
  - 1.0.2.5 Nonmetal lining pipes;
  - 1.0.2.6 Composite metal pipes.
- 1.0.3 For the special construction and acceptance of following types of pipes, regulations in corresponding section of the *Code of Erection and Acceptance for Electric Rower Construction* should be also complied besides the technology requirements in this code:
  - 1.0.3.1 All types of pipes in the steam turbine and electric generator body;
  - 1.0.3.2 All types of pipes in boiler body, and pipes of fume exhaust system, ventilation system, coal system, fuel system, gas burning system and dust removal system;
  - 1.0.3.3 Oil pipes and all types of water treatment pipes;
  - 1.0.3.4 All types of pipes of hydrogen generating system and hydrogen supply system;
  - 1.0.3.5 Thermal meter pipes;
  - 1.0.3.6 Oxygen and acetylene pipes.
- 1.0.4 Except the sections with other concrete stipulations in construction contract, the provisions in this code must be observed in the construction and acceptance of pipes of imported thermoelectric generating set.
- 1.0.5 The piping installation of power plant must be carried out by professional construction team with essential technical force, checking means and management level.
- 1.0.6 The piping construction of power plant should be carried out according to the basic construction program, and following conditions are necessary:
  - 1.0.6.1 Designing files and other technology documents should be fully ready, and a joint checkup must have been made for construction drawings;
  - 1.0.6.2 The construction organizing design and construction plan of piping project of electric power plant should have been compiled, checked and approved;
  - 1.0.6.3 Real technology communication and required technical training and examining should have

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