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NATIONAL STANDARD



OF THE PEOPLE'S REPUBLIC OF CHINA

中华人民共和国国家标准

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GB 50078-2008

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**Code for Construction and Acceptance of  
Chimney Engineering**

烟囱工程施工及验收规范

Issued on: September 24, 2008

Implemented on: February 1, 2009

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Jointly Issued by **Ministry of Housing and Urban-Rural Construction of the  
People's Republic of China**  
**General Administration of Quality Supervision, Inspection  
and Quarantine of the People's Republic of China**

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**GB 50078-2008**

Chief Development Department: China Metallurgical Construction Association

Approval Department: Ministry of Housing and Urban-rural Development of the People's  
Republic of China

Implementation Date: February 1, 2009

**Beijing 2008**

# **Announcement of the Ministry of Housing and Urban-rural Development of the People's Republic of China**

No. 118

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## **Announcement of Publishing the National Standard of “Code for Construction and Acceptance of Chimney Engineering”**

“Code for Construction and Acceptance of Chimney Engineering” has been approved as a national standard with a serial number of GB 50078–2008 and shall be implemented on February 1, 2009. Thereinto, Articles 3.0.8, 3.0.9, 4.1.3, 6.1.4, 6.1.5, 6.3.1, 8.1.2, 11.0.5, 13.0.5 and 13.0.11 are compulsory provisions and must be enforced strictly. The original “Code for Construction and Acceptance of Chimney Engineering” GBJ 78–85 shall be abolished simultaneously.

Authorized by the Standard Rating Research Institute of the Ministry of Housing and Urban-rural Development of the People's Republic of China, this code is published and distributed by China Planning Press.

Ministry of Housing and Urban-rural Development of the People's Republic of China

September 24, 2008

## Foreword

According to the requirements of Document Jian Biao [2004] No. 67 issued by Ministry of Construction (MOC)–“Notice on Printing the Development and Revision Plan of National Engineering Construction Standards in 2004”, this code is compiled and finished based on the revision of the original national standard “Code for Construction and Acceptance of Chimney Engineering” GBJ 78–85 carried out jointly by the MCC Jingtang Construction Corp., Ltd. in conjunction with the departments concerned.

In the process of revision, the drafting group earnestly has summed up the experiences on design, construction, and production service of chimney engineering, broadly solicited for the opinions from the departments and experts concerned nationwide, and finalized this code through deliberation, modification and examination at last.

This revised code comprises fifteen chapters and five Appendixes with the main contents as follows:

1. The relevant contents on quality inspection are added, and the dominant item and general items are listed in one same table;
2. The chapter of “Terms” is added, and the selected terms mainly are related to the keywords on chimney engineering;
3. The chapter of “Basic Provisions” is added, which includes the provisions on general characters of the construction and acceptable of chimney engineering;
4. The contents of truncated cone sectional casing foundation and M-type sectional casing foundation are abolished;
5. The relevant contents on mass concrete are added;
6. The permissible variation standard for the center line of chimney shaft is improved with large amplitude;
7. The contents on such relevant chapters of “Steel Chimney and Steel Inner Tube”, “Chimney Platform”, and “Corrosion Protection of Chimney”;
8. In the chapter of “Lining and Thermal-insulating Layer”, the contents on unshaped material lining are added;
9. Part of content of the general provisions on construction method is abolished;
10. The contents on the winter construction of steel structure and unshaped materials are added.

The provisions in bold in this code are compulsory provisions and must be enforced strictly.

Ministry of Construction this in charge of the administration of this code and the explanation of the compulsory provisions, and MCC Jingtang Construction Corp., Ltd. is

responsible for the current management and Luoyang Petrochemical Engineering Corporation/SINOPEC is responsible for the explanation of the compulsory provisions of the specific technical contents. All relevant organizations are kindly requested to earnestly sum up your experiences combining with the engineering practice during the process of implementing this code. The relevant opinions and data on modifying and supplementing the code, whenever necessary, can be posted or passed on to MCC Jingtang Construction Corp., Ltd. Administrative Group of “Code for Construction and Acceptance of Chimney Engineering” (Address: No. 16, Xingfu Road, Fengrun District, Tangshan City, 064000, China) for future reference.

The chief development organization, participating development organizations and chief drafting staffs of this code are:

Chief Development Organization: MCC Jingtang Construction Corp., Ltd.

Participating Development Organizations:

Deris Engineering and Research Corporation

The Fourth Engineering Corporation of Northwest Power Construction

Shanghai Power Construction Engineering Co.

China No. 2 Metallurgical Construction Corporation

Shanghai Fuchen Chemicals Co., Ltd.

Zhejiang Kaiyuan Installation Group Co., Ltd.

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# **1 General Provisions**

**1.0.1** This code is formulated with a view to controlling the construction and acceptance behavior of chimney engineering, ensuring the construction quality of chimney engineering and achieving state-of-art technology, safe and applicable, and economy and rationality.

**1.0.2** This code is applicable to the construction and acceptance of the masonry chimney, reinforced concrete chimney and steel chimney engineering.

**1.0.3** The chimney engineering shall be constructed according to design documents.

**1.0.4** The new technologies shall be positively adopted in the construction of chimney. The new technologies shall pass the test and verification and shall not be popularized or used until the specific regulations are formulated.

**1.0.5** The construction and acceptance of chimney engineering shall not only comply with this code, but also shall comply with those specified in the in the current relevant standards of the nation.



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