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NATIONAL STANDARD **GB**

OF THE PEOPLE'S REPUBLIC OF CHINA

中华人民共和国国家标准

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GB 50257-96

**Code for construction and acceptance of electric
device for explosion atmospheres and fire hazard
electrical equipment installation engineering**

电气装置安装工程爆炸和火灾危险环境

电气装置施工及验收规范

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Ministry of Construction of the People's Republic of China

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Chief Development Department : Ministry of Power Industry of the People's Republic of China

Approval Department: Ministry of Construction of the People's Republic of China

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NOTICE

This code is written in Chinese and English. The Chinese text shall be taken as the ruling one in the event of any inconsistency between the Chinese text and the English text.

**Notice concerning release of four national standards—Standards for
Construction and Acceptance of Low-Voltage Apparatus of Electrical
Equipment Installation Project and so on**

J B [1996] No.337

In line with the requirements of Ji Zong (1986) No. 2630 document of the State Development and Planning Commission and (91) Jian Biao Ji Zi No. 6 document of the Ministry of Construction, four standards—Standards for Construction and Acceptance of Low-Voltage Apparatus of Electrical Equipment Installation Project and others jointly revised by Ministry of Power Industry and the department concerned have been examined and approved. It ratifies that Standards for Construction and Acceptance of Low-Voltage Apparatus of Electrical Equipment Installation Project GB 50254-96, Standards for Construction and Acceptance of Electric Converter Device of Electrical Equipment Installation Project (GB 50255-96), Standards for Construction and Acceptance of Crane of Electrical Equipment Installation Project (GB 50256-96), and Code for construction and acceptance of electric device for explosion atmospheres and fire hazard electrical equipment installation engineering (GB 50257-96) as mandatory national standards which shall be implemented on December 1, 1996. The seventh chapter—Chapter of Low-voltage Electrical Apparatus, the six chapter—Chapter of Silicon Rectifying Devices, the eighth chapter—Chapter of Crane Electrical Installation, and sixteenth chapter—Chapter of Electrical Installation at Explosive and Fire Hazard Locations in the original Standards for Construction and Acceptance of Electrical Equipment Installation Project GBJ 232-82 shall be abolished on the same day.

Ministry of Power Industry shall be responsible for supervision of this standard and Institute of Power Construction with Ministry of Power Industry for specific interpretation of the standard. Institute of Standard Quota with the Ministry of Construction shall be responsible for publishing and distributing of the standard.

Ministry of Construction of the People's Republic of China
June 5, 1996

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1 General Principles

1.0.1 This standard is enacted for the purpose of guaranteeing quality of installation of electrical equipment at explosive and fire hazard locations, bringing about advancement in construction and installation technologies, and ensuring safety in operation of equipment and safety of the state property and people's life.

1.0.2 The standard applies to construction and acceptance of electric equipment installation at such locations with dangerous substances as gas, steam, dust, fiber explosive mixture, and fire that arise or may arise during production, process, treatment, transfer, or storage.

It does not apply to the following environment:

1.0.2.1 Downhole of mines.

1.0.2.2 Locations for manufacturing, utilizing, and storing powder, dynamite, detonating explosive, and other explosive substances.

1.0.2.3 Areas where electrolytical, electroplating, and other electric apparatus are installed and where production is carried out by applying electrical energy and directly related to production technological process.

1.0.2.4 Environment where there are strong oxidant or substances which can break out a fire by themselves without external fire sources.

1.0.2.5 Galvanic battery room.

1.0.2.6 Means of land, water, and air transportation and offshore oil and gas well platforms.

1.0.3 Installation of electric equipment at explosive and fire hazard locations shall be implemented in the light of approved design.

1.0.4 Transportation and storage of equipment and materials shall be in keeping with the national stipulations relating to transportation and storage of goods and materials. In case of being required specially by products, requirements of product standards in force shall be fulfilled.

1.0.5 Equipment and materials adopted shall be in accordance with stipulations of the national technical standards currently in effect and have certificates of quality. Equipment shall have nameplates and explosion-proof electric apparatus have explosion-proof marks.

1.0.6 The following inspections and acceptance shall be made after equipment and materials are delivered to working sites:

1.0.6.1 Packing and sealing are in good condition.

1.0.6.2 Inventory of equipment and materials shall be made to make sure that specifications, models, and explosion-proof marks are in conformity with requirements of design and accessories and spare parts are complete and in good condition.

1.0.7 All necessary technical documents shall be provided.

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