



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 50717-2011

**Code for extractive metallurgy construction quality acceptance
of mechanical equipment installation engineering of heavy
non-ferrous metals**

**重有色金属冶炼设备安装工程质量验收规范
(English Translation)**

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1.0.1

This Code is formulated to improve the extractive metallurgy construction quality of mechanical equipment installation engineering of heavy non-ferrous metals, ensure the safe operation of heavy non-ferrous metal smelting equipment, and promote the advancement of installation technology.

1.0.2

This Code applies to the acceptance of quality of installation engineering of pyrometallurgical equipment, hydrometallurgy equipment and dust collecting equipment in heavy non-ferrous metal smelting.

1.0.3

The requirements for installation quality in the engineering technical documents and contracting contracts used in the installation of heavy non-ferrous metal smelting equipment shall not be lower than those specified in this Code.

1.0.4

The installation quality acceptance of heavy nonferrous metal smelting equipment shall not only comply with the provisions of this Code, but also comply with the provisions of the relevant national standards in force.

test records.

3.2.2

The quality of partial projects shall comply with the following requirements.

- 1 The quality of all itemized projects included in the partial project shall be qualified.
- 2 The quality assurance information of all itemized projects included in the partial project shall be complete.

3 The inspection and sampling test results of the safety and function of the partial projects shall comply with the relevant provisions of the current national standard GB 50654 "Unified standards for constructional quality acceptance of non-ferrous metals industrial installation engineering".

4 The visual quality acceptance shall comply with the relevant provisions of the current national standard GB 50654 "Unified standards for constructional quality acceptance of non-ferrous metals industrial installation engineering".

3.2.3

The quality of unit projects shall comply with the following provisions.

1 The quality of all partial projects included in the unit project shall be accepted as qualified.

2 Quality control data shall be complete.

3 The inspection data related to safety and function of the partial projects contained in the unit project shall be complete.

4 The spot check results of major functional items shall comply with the relevant provisions of the current national standard GB 50654 "Unified standards for constructional quality acceptance of non-ferrous metals industrial installation engineering".

5 Visual quality acceptance shall meet the requirements.

3.2.4

When the quality of an itemized project does not meet the requirements of the corresponding quality inspection and assessment standards, it must be repaired or reworked in a timely manner. The reworked itemized project shall be re-inspected for quality.

3.2.5

It is strictly prohibited to accept projects if the quality of the project does not meet the requirements of the specifications and the project still cannot meet the safety requirements after processing and rework.

3.3.1

The itemized projects shall be inspected and accepted by the supervision engineer (the project technical person in charge of the construction unit) and the project professional quality (technical) person in charge of the construction unit.

3.3.2

The partial project shall be inspected and accepted by the chief supervisor engineer (the project technical person in charge of the construction unit), the project person in charge of the construction unit, the technical person in charge, and the person in charge of quality, etc.

3.3.3

After the completion of a unit project, the construction unit shall organize relevant personnel to conduct acceptance inspection and submit a project completion acceptance report to the construction unit.

3.3.4

After the construction unit receives the project acceptance report, the person in charge of the construction unit (project) shall organize the persons in charge of the construction, design, supervision and other units (projects) to conduct the unit project acceptance.

3.3.5

After the acceptance of quality for unit project is qualified, the construction unit shall submit the project completion acceptance report and relevant documents to the construction administrative department for filing within the prescribed time.

3.4 Inspection of equipment foundation

I. Dominant items

3.4.1

The strength grade of the equipment foundation shall comply with the requirements of the design documents.

Inspection quantity. All.

Inspection method. Check the basic handover data.

3.4.2

Before the equipment is in place, the center mark plate and elevation reference point layout diagram shall be drawn according to the construction drawing and the measurement control network. The center mark plate and elevation reference point shall be set according to the layout diagram. The projection points shall be measured.

Permanent center mark plates and elevation reference points shall be buried for the main