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PEOPLE'S REPUBLIC OF CHINA**

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**The specification for construction and acceptance of
architectural engineering in coal preparation plant**

选煤厂建筑工程施工与验收规范

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Foreword

This document was issued on 27 October 2015 by the National Energy Administration of the PRC and takes effect on 1 March 2016.

It is a NB/T standard: recommended rather than compulsory, but it is the text a Chinese reviewer applies when assessing a submission.

It is classified under ICS 73.020, Chinese classification P 00/09.

This specification has been prepared in accordance with the requirements of the Notice of the National Energy Administration on Issuing the Second Batch of the 2011 Plan for the Development (Revision) of Industry Standards in the Energy Field (Guo Neng Ke Ji [2011] No. 252). The work was organized by the China Coal Construction Association, with China Coal Construction and Installation Engineering Group Co., Ltd., Huaibei Mining (Group) Engineering Construction Co., Ltd. and other relevant units acting as the preparing bodies.

In the course of preparation the drafting group carried out thorough investigation and research, summarized several decades of practical experience in the construction of architectural engineering in coal preparation plants, referred to relevant standards at home and abroad, and gave full consideration to the structural characteristics of the buildings and structures of coal preparation plants. On the basis of a wide solicitation of opinions, and through repeated discussion, revision and refinement, the text was finalized after formal examination.

The specification is made up of 13 chapters and 1 appendix. Its main contents cover general provisions, terms, basic requirements, the coal storage yard, the silo, the trough bunker, the screening and crushing workshop, the main plant building, the filter workshop, the conveyor trestle or gallery, the thickener (concentrated) tank, the loading station, auxiliary buildings, engineering quality acceptance and green construction.

The National Energy Administration is responsible for the administration of this specification. The China Coal Construction Association is responsible for its day-to-day administration, and China Coal Construction and Installation Engineering Group Co., Ltd. is responsible for the interpretation of its specific technical content.

Users are invited to send comments and suggestions arising during implementation to China Coal Construction and Installation Engineering Group Co., Ltd., No. 56 Congtai Road, Handan City, Hebei Province, postcode 056002.

Chief editing units: China Coal Construction and Installation Engineering Group Co., Ltd.; Huaibei Mining (Group) Engineering Construction Co., Ltd.

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Engineering Group Co., Ltd.; Tangshan Kailuan Construction (Group) Co., Ltd.; Shanxi Lu'an Engineering Co., Ltd.; China Coal Construction Group Engineering Co., Ltd.; Beijing Zhongmei Zhengchen Construction Co., Ltd.; Beijing Kangdi Construction Supervision and Consulting Co., Ltd.; Jinan Design and Research Institute of the Coal Industry Co., Ltd.

The foreword lists 39 chief drafters and 17 chief reviewers by name. The specification was approved by the National Energy Administration, the chief editing department being the China Coal Construction Association, and took effect on 1 March 2016.

Structure and Coverage of the Specification

The specification is arranged in 13 chapters and one appendix, followed by the explanatory back matter. The code prints both a Chinese table of contents and an English Contents, and the English headings reproduced below are those printed in the code itself.

Chapter 1, General Provisions, begins on page 1 and sets out the purpose of the code, its field of application, the promotion of new processes and materials, the requirement for technical archives, and the relationship of the code to other current national and industry standards.

Chapter 2, Terms, begins on page 2 and defines the eighteen terms used throughout the code, from the coal preparation plant itself to the individual structural elements of silos and trough bunkers and the high-strength bolt assembly.

Chapter 3, Basic Requirements, begins on page 4 and is divided into eleven sections covering the building trades common to the whole plant.

The sections of Chapter 3 are 3.1 General Part (page 4), 3.2 Building Foundation (page 5), 3.3 Main Project (page 5), 3.4 Building Decoration (page 6), 3.5 Roof Engineering (page 6), 3.6 Water Supply Drainage and Heating Works (page 6), 3.7 Ventilation and Air Conditioning Works (page 6), 3.8 Electrical Installation in Building (page 6), 3.9 Intelligent Building Systems (page 6), 3.10 Energy Efficient Building (page 7) and 3.11 Escalators and Passenger Conveyors (page 7).

Chapter 4, Coal Storage Yard, begins on page 8 and is divided into four sections dealing with the yard and the works beneath it.

The sections of Chapter 4 are 4.1 General Requirements (page 8), 4.2 Coal Storage Yard Ground and Retaining Structure Engineering (page 8), 4.3 The Coal Pit and Tunnel Engineering (page 8) and 4.4 Coal Drop Tube (page 10).

Chapter 5, Silo, begins on page 11 and is the longest chapter of the code, divided into seven sections that follow the silo from its foundation up to the observation of slip-forming.

The sections of Chapter 5 are 5.1 General Requirements (page 11), 5.2 Foundation Works (page 11), 5.3 Supporting Wall (page 13), 5.4 Hopper Construction (page 15), 5.5 Silo-top