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NB

**ENERGY INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

NB/T 10222-2019

**Code for construction and acceptance of metro linkage tunnel
of freezing method**

隧道联络通道冻结法施工及验收规范

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Foreword

This document was issued on 4 June 2019 by the National Energy Administration of the PRC and takes effect on 1 October 2019.

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 93.060, Chinese classification P 00/09.

This code was prepared in accordance with the Notice of the General Department of the National Energy Administration on Issuing the 2017 Plan for the Formulation and Revision of Sector Standards in the Energy Field and the Plan for the Translation and Publication of English Versions (Guo Neng Zong Tong Ke Ji [2017] No. 52).

The chief editing organizations are China Coal No. 5 Construction Co., Ltd., Henan Guolong Mining Construction Co., Ltd. and China Coal Tunnel Engineering Co., Ltd., which drew up the code jointly with the participating organizations.

During the drafting work the editorial group carried out in-depth investigation and research, summarized the scientific and technological achievements and the construction technologies that recent practice has proved to be mature and effective, solicited the opinions of the organizations and experts concerned in a wide range of forms, and settled the final text after repeated discussion, study and revision and after formal examination.

The code is made up of 10 chapters and 8 appendices. Its main contents are general provisions, terms, basic requirements, construction preparation, freezing and related design, freezing construction, excavation and support, monitoring and control, safety and green construction, and engineering quality acceptance.

The National Energy Administration is responsible for the administration of this code; the China Coal Construction Association is responsible for its routine management and for the adjustment and revision of local contents; the chief editing organization China Coal No. 5 Construction Co., Ltd. is responsible for the interpretation of the individual provisions.

Users who have comments or suggestions during the application of this code are invited to send them to China Coal No. 5 Construction Co., Ltd., 241 Huaihai West Road, Xuzhou City, Jiangsu Province, postcode 221006, e-mail cc5c at cc5c.com, so that they may be taken into account in a future revision.

The participating organizations named in the foreword are Jiangsu Mining Engineering Group Co., Ltd., Henan Energy and Chemical Construction Group Co., Ltd., Yankuang Xinlu Construction and Development Co., Ltd., the Quality Supervision Centre Station for Coal Industry Construction Projects of Guizhou, the Quality Supervision Centre Station for Coal Industry Construction Projects of Henan, the Quality Supervision Station for Construction Projects of the Jincheng Mining Area, Shandong Runlu Building Material Testing

Technology Service Co., Ltd., Guizhou Coal Mine Design and Research Institute Co., Ltd. and Lanzhou Coal Mine Design and Research Institute.

The foreword names 40 chief drafters, headed by Liu Wenbin, Liu Peinian, Dai Dongsheng, Li Xinzheng and Zhang Daohai, and 20 chief examiners, headed by Sun Shouren, Qi Jilong, Yue Fengtian, Hua Zhaowen and Zhao Xiong.

Publication data and approval record

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The title page states that the chief editing department is the China Coal Construction Association, that the approving department is the National Energy Administration and that the code takes effect on 1 October 2019.

The approval is recorded in Announcement No. 4 of 2019 of the National Energy Administration, dated 4 June 2019, by which 297 sector standards were approved: 105 energy standards (NB), 168 electric power standards (DL) and 24 petrochemical standards (NB/SH).

In the catalogue of sector standards annexed to that announcement this code appears as item 9, with the standard number NB/T 10222-2019, the publishing organization Emergency Management Press, the approval date 2019-06-04 and the implementation date 2019-10-01; the columns for the superseded standard and for the adopted standard number are both empty, so the code does not replace an earlier document.

The book was published by Emergency Management Press, 35 Shaoyaoju, Chaoyang District, Beijing, postcode 100029, website www.cciph.com.cn, printed by Beijing Yueshi Printing Co., Ltd. and distributed through the Xinhua Bookstores.

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The body of the code runs to page 62, the eight appendices occupy pages 67 to 74, the explanation of wording is on page 75, the list of reference standards on page 76, and the explanation of provisions begins on page 77.

Structure of the technical chapters