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NB

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

NB/T 35090-2016

**Design code for underground powerhouses of hydropower
stations**

水电站地下厂房设计规范

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Table of Contents

1 General provisions	1
2 Terms	2
3 Layout of underground powerhouse	4
3.1 Arrangement of powerhouse area	4
3.2 Interior arrangement of powerhouse	10
4 Surrounding rockmass stability analysis	13
4.1 General requirement	13
4.2 Regression of in-situ stress	14
4.3 Numerical analysis of surrounding rockmass stability	15
4.4 Block stability analysis	16
5 Excavation and support design of surrounding rockmass	22
5.1 General requirement	22
5.2 Excavation design	23
5.3 Shotcrete support	23
5.4 Anchor bar support	24
5.5 Tendon support	25
5.6 Concrete lining	26
5.7 Excavation and support of special geological conditions and parts	26
6 Feedback analysis of surrounding rockmass stability and dynamic design in construction period	28
7 Structural design of underground powerhouse	30
7.1 General requirement	30
7.2 Structural design	30
7.3 Detailing requirements	32
8 Design of seepage control and drainage and moistureproof	33
8.1 General requirement	33
8.2 Anti-seepage curtain design	33
8.3 Drainage curtain design of powerhouse area	34
8.4 Drainage design of powerhouse	34
8.5 Waterproof and moisture proof design	35
9 Design of safety monitoring	36
9.1 General requirement	36

9.2 Monitoring design	36
9.3 Data collection and analysis	37
Explanation of wording in the code	39
List of normative standards	40
Addition: Explanation of provisions	41

Foreword

This document was issued on 5 December 2016 by the National Energy Administration of the PRC and takes effect on 1 May 2017.

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 27.140, Chinese classification P 59.

This code has been compiled by the drafting group in accordance with the requirements of the Notice of the National Energy Administration on the issuance of the second batch of the 2012 plan for the formulation (revision) of industry standards in the energy field (Guo Neng Ke Ji [2012] No. 326), on the basis of extensive investigation and research, careful summing-up of engineering practice and wide solicitation of opinions.

The main technical contents of this code are: layout of the underground powerhouse; stability analysis of the surrounding rockmass; excavation and support design of the surrounding rockmass; feedback analysis of surrounding rockmass stability and dynamic design during the construction period; structural design of the underground powerhouse; design of seepage control, drainage and moistureproofing; and design of safety monitoring.

This code is placed under the administration of the National Energy Administration. It was proposed by, and is under the day-to-day management of, the General Institute of Hydropower and Water Resources Planning and Design, while the Standardization Technical Committee for Hydropower Survey and Design of the Energy Industry is responsible for the interpretation of its specific technical contents.

Comments and suggestions arising during the implementation of this code should be sent to the General Institute of Hydropower and Water Resources Planning and Design, No. 2 Liupukang Beixiaojie, Xicheng District, Beijing, postcode 100120.

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Structure of the code

The following chapters and clauses complete the body of the code; their titles are reproduced from the official English Contents printed in the standard.

3.2 Interior arrangement of powerhouse, page 10.

- 4 Surrounding rockmass stability analysis, page 13.
 - 4.1 General requirement, page 13.
 - 4.2 Regression of in-situ stress, page 14.
 - 4.3 Numerical analysis of surrounding rockmass stability, page 15.
 - 4.4 Block stability analysis, page 16.
- 5 Excavation and support design of surrounding rockmass, page 22.
 - 5.1 General requirement, page 22.
 - 5.2 Excavation design, page 23.
 - 5.3 Shotcrete support, page 23.
 - 5.4 Anchor bar support, page 24.
 - 5.5 Tendon support, page 25.
 - 5.6 Concrete lining, page 26.
 - 5.7 Excavation and support of special geological conditions and parts, page 26.
- 6 Feedback analysis of surrounding rockmass stability and dynamic design in construction period, page 28.
- 7 Structural design of underground powerhouse, page 30.
 - 7.1 General requirement, page 30.
 - 7.2 Structural design, page 30.
 - 7.3 Detailing requirements, page 32.
- 8 Design of seepage control and drainage and moistureproof, page 33.
 - 8.1 General requirement, page 33.
 - 8.2 Anti-seepage curtain design, page 33.
 - 8.3 Drainage curtain design of powerhouse area, page 34.
 - 8.4 Drainage design of powerhouse, page 34.
 - 8.5 Waterproof and moisture proof design, page 35.
- 9 Design of safety monitoring, page 36.
 - 9.1 General requirement, page 36.
 - 9.2 Monitoring design, page 36.
 - 9.3 Data collection and analysis, page 37.