

ICS 27.140
CCS P59

NB

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

NB/T 10084-2018

**Guide for preparing operation procedures of hydropower
projects**

水电工程运行调度规程编制导则

Issued on: October 29, 2018

Implemented on: March 1, 2019

Issued by: National Energy Administration of the PRC

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Foreword

This document was issued on 29 October 2018 by the National Energy Administration of the PRC and takes effect on 1 March 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 27.140, Chinese classification P59.

This guide was formulated by the drafting group in accordance with the requirements of the Notice of the National Energy Administration on Issuing the Second Batch of the 2012 Energy Sector Standard Formulation (Revision) Plan (Guo Neng Ke Ji [2012] No. 326), after extensive investigation and research, careful summarization of practical experience, and on the basis of widely soliciting opinions.

The main technical contents of this guide are: parameters and basic data,

hydrometeorological forecast, power generation operation, flood control operation, navigation operation, irrigation and water supply operation, ice-jam prevention operation, ecological operation, sediment operation, requirements for the operation management of the project complex, project area management, and operation implementation management.

The National Energy Administration is in charge of the administration of this guide; China Renewable Energy Engineering Institute proposes it and is responsible for its routine management; and the Energy Industry Standardization Technical Committee for Hydropower Planning, Reservoir and Environmental Protection (Nengyuan Hangye Shuidian Guihua Shuiku Huanbao Biaoazhunhua Jishu Weiyuanhui) is responsible for the interpretation of its specific technical contents.

Any opinions or suggestions arising during implementation should be sent to China Renewable Energy Engineering Institute (address: No. 2 Liupukang Beixiaojie, Xicheng District, Beijing; postcode: 100120).

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Publication data

NB/T 10084-2018 is an Energy Industry Standard of the People's Republic of China entitled Guide for Preparing Operation Procedures of Hydropower Projects (Chinese title: Shuidian Gongcheng Yunxing Diaodu Guicheng Bianzhi Daoze).

Classification data printed on the cover: ICS 27.140; CCS P59; filing number J2608-2018.

The standard was issued on 2018-10-29 and implemented on 2019-03-01. It was issued by the National Energy Administration.

Chief editing department: China Renewable Energy Engineering Institute. Approving department: National Energy Administration. Date of implementation: March 1, 2019. Published in Beijing, 2019.

Announcement of the National Energy Administration, 2018 No. 12: In accordance with the relevant provisions of the Notice of the National Energy Administration on Issuing the Administrative Measures for Energy Sector Standardization (Trial) and the Detailed Rules for their Implementation (Guo Neng Ke Ji [2009] No. 52), and after review, the National Energy Administration approved 204 sector standards, including Air-Cooled Speed-Regulating Magnetic Couplings for Mining Use, of which 54 are energy standards (NB), 8 are petrochemical standards (NB/SH) and 142 are petroleum standards (SY), and hereby publishes them. Attachment: catalogue of sector standards. National Energy Administration, October 29, 2018.

In the attached catalogue of sector standards, NB/T 10084-2018 Guide for Preparing Operation Procedures of Hydropower Projects is listed as serial number 39, with no superseded standard and no adopted standard indicated, approval date 2018-10-29 and implementation date 2019-03-01.

Structure of the standard

Chapter 1 General Provisions begins on page 1 of the standard.

Chapter 2 Parameters and Basic Data (page 2) comprises 2.1 Parameters and Indexes and 2.2 Basic Data.

Chapter 3 Hydrometeorological Forecast (page 5) comprises 3.1 Hydrometeorological Station Network, 3.2 Hydrometeorological Forecast and 3.3 Sediment Monitoring.

Chapter 9 Ecological Flow Discharge Regulation begins on page 17.

Chapter 11 Hydraulic Structures Operation and Management begins on page 20.

Chapter 12 Project Area Management (page 21) comprises 12.1 Scope and Principle and 12.2 Project Area Management.

Chapter 13 Operation and Management Implementation (page 22) comprises 13.1 Technical Support System, 13.2 Comprehensive Operation Planning, 13.3 Routine Management and 13.4 Emergency Action Plan.

Appendix A, Contents of Preparing Operation Procedures of Hydropower Projects, begins on page 24.

Appendix B, Salient Features of Hydropower Project, begins on page 27.

Explanation of Wording in This Guide is given on page 34.

The standard closes with an addition, Explanation of Provisions, beginning on page 35.

1 Scope

NB/T 10084-2018 is the Chinese guide for preparing the operation and dispatch procedures