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

NB/T 10509-2021

Replacing DL/T 5419-2009

**Technical Code for Soil and Water Conservation of Hydropower
Construction Projects**

水电建设项目水土保持技术规范

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Foreword

This document was issued on 7 January 2021 by the National Energy Administration of the PRC and takes effect on 1 July 2021.

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.

It replaces DL/T 5419-2009, which is superseded.

In accordance with the requirements of the Notice of the National Energy Administration on Issuing the 2015 Plan for the Formulation (Revision) of Energy Sector Industry Standards (Guo Neng Ke Ji [2015] No. 283), the drafting group revised this code through extensive investigation and research, careful summarization of practical experience and broad solicitation of opinions.

The main technical contents of this code are: general provisions, terms, basic requirements, classification and design standards of soil and water conservation works, assessment on soil and water conservation for project, range of responsibility and zoning for soil erosion control, prediction and analysis of soil erosion and water loss, goals and measures layout of soil erosion and water loss control, residues disposal area, protection and utilization of surface soil resources, design of soil erosion and water loss control measures, and soil and water conservation construction planning, supervision, monitoring, scientific research,

general design, cost and benefit analysis and works management.

The main technical changes in this revision are as follows: seven chapters have been added, namely classification and design standards of soil and water conservation works, residues disposal area, protection and utilization of surface soil resources, soil and water conservation supervision, scientific research on soil and water conservation, general design of soil and water conservation, and management of soil and water conservation works.

The scope of application has been adjusted to 'soil and water conservation work of hydropower construction projects'.

This code is under the jurisdiction of the National Energy Administration, is proposed and routinely managed by China Renewable Energy Engineering Institute, and its specific technical contents are interpreted by the energy industry standardization technical committee for hydropower planning, reservoir and environmental protection (NEA/TC16). Comments and suggestions arising during implementation should be sent to China Renewable Energy Engineering Institute (Address: No. 2 Liupukang Beixiaojie, Xicheng District, Beijing, 100120).

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1 Scope

NB/T 10509-2021 is the Chinese technical code for soil and water conservation on hydropower construction projects, replacing DL/T 5419-2009. A hydropower project disturbs a great deal of ground: quarries and borrow pits, spoil disposal areas that can hold tens of