

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

**HJ/T 88-2003**

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**Code for environmental impact of water conservancy and  
hydropower project  
(English Translation)**

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## Foreword

To implement the "People's Republic of China Environmental Protection Law", "Construction Project Environmental Protection Management Regulations" and "Environmental Impact Assessment Guidelines ", the development of this standard.

The standards include the following.

- Determine the purpose of the preparation of specifications, scope and standards.
- Engineering analysis to determine the object, environmental research content.
- Determine the project environmental impact identification, prediction and evaluation, countermeasures and other technical content.

This standard is based on the modification of the formulation SDJ302-88, modifications

include the following.

--- Structural adjustment.

--- Press conservancy and hydropower project environmental impact assessment to determine the type of content.

--- Increased countermeasures, environmental monitoring and management, environmental protection investment estimate economic losses and environmental impact analysis, public participation Technical content.

--- Increase in water conservancy and hydropower project on the ecological evaluation, watershed environmental impact analysis content.

This standard was proposed by the State Environmental Protection Administration of Science, Technology.

This standard was drafted. the Yangtze River Basin Water Resources Protection Bureau.

This standard is interpreted by the State Environmental Protection Administration.

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Environmental Impact Assessment Technology Guidelines Water Resources and Hydropower Engineering

## **1 General**

### **1.1**

In order to regulate water conservancy and hydropower project environmental impact assessment to determine the evaluation criteria, principles, contents and methods of unified technical requirements, special Formulated norms.

### **1.2**

specification applies to medium-sized water conservancy and hydropower project environmental impact assessment of flood control, hydropower, irrigation, water supply and other water conservancy industries. other Industry similar projects and small hydroelectric engineering can be implemented by reference.

### **1.3**

Project preparation of environmental impact report or environmental impact statement should be based on the State Environmental Protection Administration announced the "construction project environmental Protection of Classification Catalogue "OK.

### **1.4**

Environmental impact report (table) programming.

Prepare an environmental impact report should be studied relevant laws and engineering

design documents, a preliminary engineering analysis and environmental status of the investigation, sieve Key evaluation selected projects, determine the evaluation level, the preparation of environmental impact assessment outline.

Further engineering analysis, investigation, evaluation of current situation of environmental impact of the project, forecast, impact assessment of the project on the environment, put forward Countermeasures, estimated investment in environmental protection, given evaluation findings, preparation of environmental impact report.

Environmental impact statement may be appropriate to simplify the programming.

### **1.5**

The main content of environmental impact assessment should include. project survey, engineering analysis, environmental Investigation, identification of environmental impact, environmental Impact prediction and evaluation of countermeasures for environmental protection, environmental monitoring and management, investment estimation, environmental impact analysis of the economic loss, environmental wind Risk analysis, public participation and evaluation conclusions.

### **1.6**

Environmental impact assessment can be divided into. hydrology, sediment, local climate, water, environment, environmental geology, soil environment, terrestrial, water Aquatic life, ecological integrity and sensitive ecological environment, atmospheric environment, acoustic environment, solid waste, human health, landscape and heritage, Factors and Evaluation factors of environmental immigrants, social and economic.

### **1.7**

Construction greater impact on the watershed, should analyze the impact of the project on watershed socio-economic and ecological environment.

### **1.8**

Individual environmental impact assessment can be divided into three grades. Level evaluation should be based on engineering characteristics and environmental characteristics of the affected areas, Press HJ/T 2.1 ~ 2.3-93 "Environmental Impact Assessment Guidelines", HJ/T 2.4-1995 "Technical Guidelines for Environmental Impact Assessment of the acoustic ring Habitat ", HJ/T 19-1997" Technical Guidelines for Environmental Impact Assessment of non-pollution ecological impact "and other provisions of the judgment.

### **1.9**

Environmental objectives should include environmental quality standards or functional requirements of environmental protection and the protection of sensitive target area should achieve.

### **1.10**

conservancy and hydropower project environmental impact assessment, shall comply with this Code, it shall comply with current national standards.

## **2.1 Project Overview**

### **2.1.1**

Project Overview should include the following.

- . A watershed (river) planning;
- . B project location;
- . C engineering tasks, size and operating mode;
- . D General layout of the main building;
- . E layout and construction schedule;
- . F flooded area and the resettlement plan;
- g. project investment estimates.

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### **2.1.2**

watershed (river) plan should include natural geographical and socio-economic basins where this project, temporal and spatial water division about Point, exploitation and protection management conditions; instructions engineering position and role in watershed planning, given the location of the project indicate where the watershed (River) planning diagram.

### **2.1.3**

Project location, including the river basin should Engineering (river) position, the position of administrative divisions (provinces, autonomous regions and municipalities, Region (city), county (city), etc.), transport position, latitude and longitude location.

### **2.1.4**

engineering tasks and scale, should include flood control, power generation, navigation, irrigation, water supply, fisheries, tourism and other tasks of the project, explained Size of the project, the project runs.

### **2.1.5**

General layout and major buildings, including engineering and main buildings should be level, and the main building engineering layout type, Regulation Mold and engineering properties of indicators, given engineering floorplan.