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

GB/T 16453.3-2008

Replacing GB/T 16453.3-1996

**Technical specification for comprehensive control of soil and
water conservation - Technique for erosion control of gullies**

水土保持综合治理 技术规范 沟壑治理技术

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Foreword

GB/T 16453 "soil and water conservation technical specifications" is divided into six parts.

- GB/T 16453.1-2008 soil and water conservation technical specifications slope land;
- GB/T 16453.2-2008 soil and water conservation technical specifications wasteland control technology;
- GB/T 16453.3-2008 soil and water conservation technical specifications Gully control technology;
- GB/T 16453.4-2008 soil and water conservation technical specifications for small storage discharge water diversion project;
- GB/T 16453.5-2008 soil and water conservation technical specifications sand control technology;
- GB/T 16453.6-2008 soil and water conservation technical specifications Collapsing Management technology. This Part replaces GB/T 16453.3-1996 "soil and water conservation technical specifications gully control technology." This section compared with the GB/T 16453.3-1996, modified as follows:
 - a) Gully Management Plan to layout;
 - b) increase the well head ditch seepage treatment;
 - c) Cantilever Gully Head Protection Engineering wood scaffold to concrete piles;
 - d) The ladder Gufang to dry stone check dam;
 - e) the gravity Gufang changed for Masonry Gufang;
 - f) increased shrub and grass planted on the check dam in the check dam construction, strengthen the solid earth. The Standard Appendix A, Appendix B, Appendix C are informative appendices. This part is proposed by the Ministry of Water Resources. This part of the jurisdiction of the Department of International Cooperation, Science and Technology. Drafting this Part. Division of Soil and Water Conservation, Ministry of Water Resources

Monitoring Center, the middle reaches of the Yellow River Conservancy Commission on Management Bureau of Rural Water Conservation Bureau CONSERVANCY Yellow River Conservancy Commission, the Soil Conservation Service Changjiang Water Resources Commission, Songliao Water Resources Commission Water Conservancy Department, pearl River Water Resources Commission Water Conservancy Department, the Haihe River Water Resources Commission Water Conservancy Department, the Huaihe River Water Resources Commission Water Conservancy Department, Beijing Forestry University water Soil conservation institute. The main drafters of this section. Woodland, Liu Wan Quan Fan Qi Jing, Xinmin, Tong Weili, rather heap tiger, Lu Shengli, Xu Chuan early, Guo Yan cable, Chang India, Zhao Yongjun, Chen Fayum, FORESTRY AND Cong Peijuan, often Dandong Feng Wei. This part of the standard replaces the previous editions are.

--- GB/T 16453.3-1996.

1 Scope

GB/T 16453.3-2008 is the Chinese national standard on technical specification for comprehensive control of soil and water conservation - technique for erosion control of gullies, in the field of environment and health protection, safety. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 14 November 2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 February 2009. Classification: ICS 13.080, CCS B11. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

1.1 GB/T 16453 provisions of this part of the survey, planning, engineering layout ditch head protection works, check dam construction and dam engineering, Hydrological calculation and design of buildings, construction, project management and use of dams and other technical requirements.

1.2 Scope section.

- a) ditch head protection works, check dam project section applies to northern China (northwest, northeast, north) high plateau area, hilly area, and soil gentle hilly area Stone Mountain;
- b) dam engineering section applies to northwest China, north, northeast loess area. Other areas of governance in the gully, ditch all There intercepting sediment dam silt effects (including sediment interception dam in southern China) can refer to use. This section of the silt dam to rolling average formula Quality dam based. Water-dropping method involving

dam design, construction and other issues, some of the provisions of this section only for the principle, in particular within Yung See SL302.

2 Normative references

The following documents contain provisions which, through

GB/T 16453 reference in this text, constitute provisions of this part. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 15772-2008 General Soil and Water Conservation Plan

GB/T 15774 Soil and Water Conservation Benefit Calculation Methods

GB/T 16453.4 soil and water conservation technical specifications for small storage discharge water diversion project SL289 Key Gully Control Works and Water Conservation Technical Specifications SL302 falling water dam Technical Specification

3.1 Basic provisions

3.1.1 ditch head protection works should be small watershed comprehensive planning unit, integrated governance, and Gu Fang, silt dam and other control measures mutual Gully Cooperating to achieve common development gully control effect. Key position

3.1.2 Head Protection ditch construction project should be. Head over there Slope natural ditch collecting tank, storm drain runoff thus focus Head into the ditch, causing local gully head advancement and expansion.

3.1.3 The main task of the ditch head protection works should be. to stop overland storm runoff from the head into the channel or groove to make it in a controlled manner into the channel, Suppression of gully head advancement, protection of ground gully mutilation is not destroyed.

3.1.4 when the slope is not only focused on the runoff ditch head, while the gutter runoff when many otherwise dispersed into the channel, should work in construction Gully Head Protection Cheng at the same time, around the gutter, gutter ridge comprehensive construction, curb runoff into the channel. Defense Standard

3.1.5 ditch head protection works should be a case 10a 3h ~ 6h maximum storm. According to the different parts of rainfall, respectively Take local most likely to produce serious soil erosion short-duration, high-intensity storm.

3.1.6 When a large ditch head above water catchment area (10hm² above), should be laid appropriate governance measures slope and small water storage projects, to reduce

Collection of surface runoff ditch head.

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