



भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

**BUREAU OF INDIAN STANDARDS**

(Ministry of Consumer Affairs, Food & Public Distribution, Govt. of India)

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## DRAFT INDIAN STANDARD IN WIDE CIRCULATION

Reference : WRD 15/T-10

Date : 02 January 2023

**TECHNICAL COMMITTEE : Hydroelectric Power House Structures, WRD 15**

To,

All concerned

Dear Madam/Sir,

The following document has been prepared by the Hydroelectric Power House Structures Sectional Committee, WRD 15. Please [click here](#) to view the document.

**Document Number : WRD 15 (21609) WC**

**Title of the document : GUIDELINES FOR PLANNING LAYOUT AND DESIGN OF CAVITIES IN UNDERGROUND HYDROELECTRIC POWER STATIONS**

**Document Type : Revision of Indian Standard (IS 9120 : 1979)**

*This document has following salient features which may require specific attention for your valuable comments:*

1) *The major changes incorporated in this revision are: a) Replacement of photoelastic model tests with numerical analyses for determining stress field around the cavity for various stages of excavation. b) Addition of minimum effective rock cover, range of arch height of roof of the cavern and minimum rock width between two cavities. c) Addition of numerical analysis for assessment of stability of cavities. d) Specifications for rock bolt length.*

Please examine the document and share your comments regarding further improvement in the document.

**Last date for sharing the comments is : 03 March 2023**

The comments should be shared in the prescribed template through this portal only; and the comments so received shall be taken up by the Sectional Committee for necessary action. For any other query, please write an email at wrd@bis.gov.in to the undersigned at Bureau of Indian Standard, Manak Bhawan, 9, Bahadur Shah Zafar Marg, New Delhi.

In case no comments are received, we would presume your approval of the documents. However, in case we receive any comments on the document, the same shall be put up to the Sectional Committee for necessary action.

Thanking You,

**Yours faithfully,**  
**(R BHANU PRAKASH)**  
**Director & Head (Water Resources Department)**  
**Email: wrd@bis.gov.in**



## व्यापक परिचालन में मसौदा(दे)

हमारा सन्दर्भ : WRD 15/T-10

दिनांक : 02-01-2023

**तकनीकी समिति : Hydroelectric Power House Structures Sectional Committee, WRD 15**

प्राप्तकर्ता : रूचि रखने वाले सभी निकाय

महोदय/या,

निम्नलिखित मसौदा तैयार किया गया है :

प्रलेख संख्या : WRD 15 (21609) WC

शीर्षक :

कृपया इस/इन मानक(को)/संशोधन(नो) के मसौदे(दो) का अवलोकन करें और अपनी सम्मतियाँ यह बताते हुए भेजें कि यदि ये मानक(को) के संशोधन(नो) के रूप में प्रकाशित हो तो इन पर अमल करने में आपके व्यवसाय अथवा कारोबार में क्या कठिनाइयां आ सकती हैं।

**सम्मतियाँ भेजने की अंतिम तिथि : 03 March 2023**

सम्मतियाँ, यदि कोई हों तो, कृपया यहाँ क्लिक करके ऑनलाइन पोर्टल के माध्यम से ऊपर दी गयी अंतिम तिथि तक दर्ज कराएं।

यह/ये प्रलेख भारतीय मानक ब्यूरो की वेबसाइट [www.bis.gov.in](http://www.bis.gov.in) पर भी उपलब्ध है/हैं।

धन्यवाद।

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