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DRAFT INDIAN STANDARD IN WIDE CIRCULATION

Reference : CED 38/T-09

Date: 13 November 2024

TECHNICAL COMMITTEE : Special Structures, CED 38

To,

All concerned

Dear Madam/Sir,

The following document has been prepared by the Special Structures Sectional Committee, CED 38. Please <u>click</u> <u>here</u> to view the document.

Document Number : CED 38 (26928) WC

Title of the document : Criteria for Design of Reinforced Concrete Staging for Elevated Liquid Storage Tanks

Document Type : Revision of Indian Standard (IS 11682 : 1985)

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

1) All the design provisions, as per limit state method, have been updated and made comprehensive.

2) A clause related to documentation of all salient features of the work, engineering data and brief maintenance scheme of the work is introduced.

3) Detailed recommendations for analysis including P- Δ analysis have been included.

4) Provisions with respect to stability of the water tank have been introduced.

5) The sub-clause on loads has been enlarged to include detailed guidance on the various types of loadings; and liquid load has been defined separately.

6) Partial safety factors for loads and various load combinations, applicable to liquid retaining structures, have been duly revised.

7) This standard is draft ed for common types of staging. Enough details may not be available for all other types of staging and possible configurations, for which designer is responsible for additional criterion for design. Variations in the types and configurations may be possible.

8) Analysis for circular shaft for bending moment due to ovalling and vertical stress due to horizontal(wind/seismic) load on tower has been given.

9) Provisions relating to eccentricity of shaft and container have been given in detail.

10) Construction requirements for design to achieve high level of quality for better reliability have been given.

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

Last date for sharing the comments is : 28 December 2024

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 ced@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, (DWAIPAYAN BHADRA) Head (Civil Engineering Department) Email: ced@bis.gov.in

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व्यापक परिचालन में मसौदा(दे)

हमारा सन्दर्भ : CED 38/T-09

दिनांक : 13-11-2024

तकनीकी समिति : Special Structures Sectional Committee, CED 38

प्राप्तकर्ता : रूचि रखने वाले सभी निकाय

महोदय/या,

निम्नलिखित मसौदा तैयार किया गया है :

प्रलेख संख्या : CED 38 (26928) WC शीर्षक :

कृपया इस/इन मानक(को)/संसोधन(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।

सम्मत्तियाँ भेजने की अंतिम तिथि : 28 December 2024

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 <u>www.bis.gov.in</u> पर भी उपलब्ध है/हैं।

धन्यवाद।

भवदीय/भवदिया,

विभाग प्रमुख का नाम : DWAIPAYAN BHADRA (Civil Engineering Department) ई-मेल : ced@bis.gov.in