



## DRAFT INDIAN STANDARD IN WIDE CIRCULATION

Reference : PGD 13 (24941)

Date : 22 February 2024

**TECHNICAL COMMITTEE : Bearing, PGD 13**

To,

**All concerned**

Dear Madam/Sir,

The following document has been prepared by the Bearing Sectional Committee, PGD 13. Please [click here](#) to view the document.

**Document Number : PGD 13 (24941) WC**

**Title of the document : Mechanical Vibration Vibration of Rotating Machinery Equipped with Active Magnetic Bearings Part 4 Technical Guidelines**

**Document Type : New Indian Standard**

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

*1) This standard indicates a typical architecture of an active magnetic bearing (AMB) system so that users can understand which components are likely to comprise such systems and which functions these components provide, identifies the primary similarities and differences between AMB systems and conventional mechanical bearings, identifies the environmental factors that have significant impact on AMB system performance, identifies the operating limitations that are unique to AMB systems and defines standardized methods of assessing these limitations, identifies typical mechanisms for managing these limitations, especially rotor unbalance, provides considerations for the design and performance of touchdown bearing systems, defines a typical signal set for provision in an AMB system for proper system/process interface as well as condition and diagnostic monitoring & details current best practices for monitoring, operation and maintenance to achieve highest operational system reliability*

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

**Last date for sharing the comments is : 22 April 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 [pgd@bis.gov.in](mailto:pgd@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,**  
**(ITS ADMIN)**  
**Head (Production and General Engineering Department)**  
**Email: [pgd@bis.gov.in](mailto:pgd@bis.gov.in)**



**व्यापक परिचालन में मसौदा(दे)**

हमारा सन्दर्भ : PGD 13 (24941)

दिनांक : 22-02-2024

**तकनीकी समिति : Bearing Sectional Committee, PGD 13**

प्राप्तकर्ता : रूचि रखने वाले सभी निकाय

महोदय/या,

निम्नलिखित मसौदा तैयार किया गया है :

प्रलेख संख्या : PGD 13 (24941) 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 : 22 April 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 [www.bis.gov.in](http://www.bis.gov.in) पर भी उपलब्ध है/हैं।

धन्यवाद।

भवदीय/भवदिया,  
विभाग प्रमुख का नाम : ITS ADMIN  
(Production and General Engineering Department)  
ई-मेल : [pgd@bis.gov.in](mailto:pgd@bis.gov.in)