

भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन नदी विकास एवं गंगा संरक्षण विभाग
केंद्रीय जल आयोग
अभिकल्प उत्तर एवं पश्चिम इकाई
अभिकल्प मानक निदेशालय



Government of India
Ministry of Jal Shakti
Dept. of Water Resources, RD&GR
Central Water Commission
(Design N&W Unit)
Design Standards Dte.

सेवा में,

Scientist E/Director and Head, WRD
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(Kind attention to Shri Ajay Meena, सदस्य सचिव, WRD 12, BIS)

विषय: **Draft Indian Standards Doc No. WRD/12/18778 of WRD 12 Sectional Committee-के सम्बन्ध में।**

संदर्भ: BIS letter no. WRD 12/T -02 dated 25.10.2023

महोदय,

Kindly refer to above letter vide which draft Indian Standards was sent for approval of Chairman, WRDC. The draft Indian Standards was deliberated in CWC and may be reviewed as per following observations:

Comments on Draft IS 4623: 2023 (WRD/12/18778)

| Page No. | Statement | Change proposed |
|----------------------|--|--|
| Foreword | a) Annex B on recommended material for different components has been updated | May be removed |
| Page 3, Fig A | Arrows in the figure for Drain Hole, Stiffener, Chain, Anchor | Arrows may be corrected and figure may be elaborated |
| Page 4, Fig B | 3- Compression | May be replaced with 3mm- Pre-compression. |
| | Arrows with details | Arrows with details 10/R are not clearly visible, may be removed from figure or quality to be improved |
| Page 5, Fig A, B & D | Z Flow | Z may be removed |
| | -- | Detail-Y to be marked in the figure (A) |
| | Detail-C | May be changed to Detail-X |
| | Detail -A Side Seal and Guide Roller | May be removed |
| Page 6, Fig C | 'Surizing Holes' | May be corrected to Pressurizing Holes |
| Page 8 para 3.4 | When the thrust is distributed in the concrete through bond action, the anchorage girder is used to support the trunnion bracket. | 'anchorage girder' may be reviewed and replaced with 'trunnion girder' . |
| Page 9 para | The different materials recommended | Reconsider the addition of line in para |

| | | |
|---------------------|--|--|
| 5 Materials | for components of radial gates are given in Table 1 | 5 as in the earlier IS code: 'Any other material satisfying the requirements of the job may also be used.' |
| Page 10, Table 1 | i) Skin Plate- Structural Steel- IS 6911 | Stainless Steel may be added in recommended material, IS 2062 may be added in reference to Indian Standards |
| Page 10, para 6.1 | 11) Thrust Block (if inclined arms are used) 12) Trunnion tie (if inclined arms are used) | 11) may be changed to Thrust block/Tie beam (if inclined arms are used) 12) Trunnion tie may be removed |
| Page 12, para 6.5.4 | However, in such a case a minimum of two ropes shall be connected to each drum | May be removed/ reviewed |
| Page 12, para 6.6 | -- | Reference of IS 800 may be given in para at suitable location. |
| Page 12, para 6.7.1 | b) For height between 8.5 m and 12 m and c) For height above 12 m | a) & b) 12 m may be changed to 14 m as discussed during meeting |
| Page 13, para 6.7 | | Reference of IS 800 may be given for horizontal girders in para at suitable location. |
| Page 13, para 6.8.7 | The bracings connecting the arms that shall be so spaced... | that' may be removed |
| Page 13, para 6.9 | | "L/D ratio of self-lubricating bush shall be taken less than 1.25 or manufacturers recommendation" may be added. |
| Page 28, Annex-D | .. corresponding to the length of the moment zone of equal sign... | Space to be inserted in as 'zone of' |
| Page 31, Annex-F | Central Water Commission - Shri Ankit Ranjan | May be changed to Shri Amit Ranjan |

भवदीय,

(सतीश काम्बोज)

निदेशक,

अभिकल्प मानक निदेशालय, के०ज०आ०

प्रतिलिपि सूचनार्थः

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