

व्यापक परिचाला मसौदा

हमारा संदर्भ : सीईडी 7/टी -11

09 जनवरी 2012

तकनीकी समिति : स्ट्रक्चरल इंजीनियरिंग एवं स्ट्रक्चरल सैक्शन विषय समिति सीईडी, 7

प्राप्तकर्ता :

- 1 सिविल इंजीनियरी विभाग परिषद कके सभी सदस्य
- 2 सीईडी 7, 7:2 & 7:9 क सभी सदस्य
- 3 रूचि रखने वाले अन्य निकाय

महोदय (यों),

निम्नलिखित संशोधन सलंगन है:

i)	सीईडी 7(7836)	IS 808:1989 क के लिए संशोधन संख्या 2 का मसौदा
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कृपया इन मसौदों का अवलोकन करें और अपनी सम्मतियाँ यह बताते हुए भेजें कि यदि ये मसौदे मानकके संशोधने रूप में प्रकाशित हो तो इन पर अमल करने में आपके व्यवसाय अथवा कारोबार में क्या कठिनाइयाँ आ सकती हैं ।

सम्मतियाँ भेजने की अंतिम तिथि **15-03-2012**

सम्मति यदि कोई हो तो कृपया अधोहस्ताक्षरी को उपरिलिखित पते पर सलंगन फॉर्मेट में भेजें ।

यदि कोई सम्मति प्राप्त नहीं होती है अथवा सम्मति में केवल भाषा सम्बन्धी त्रुटि हुई तो उपरोक्त प्रलेख कको यथावत अंतिम रूप दे दिया जाएगा। यदि सम्मति तकनीकी प्रकृति की हुई तो विषय समिति अध्यक्ष के परामर्श से अथवा उनककी इच्छा पर अगे की कार्यवाही के लिए विषय समिति को भेजे जाने के बाद प्रलेख को अंतिम रूप दे दिया जाएगा । *हो सक तो कृपया अपनी सम्मतियाँ ई-मेल द्वारा भेजें ।*

यह प्रलेख भारतीय मानक ब्यूरो ककी वेबसाइट www.bis.org.in पर भी उपलब्ध है ।

सधन्यवाद ।

भवदीय,

(अशोक कुमार सेनी)

वैज्ञानिक एफ एवं प्रमुख (सिविल इंजीनियरी)

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23235529

DRAFTS IN WIDE CIRCULATION

DOCUMENT DESPATCH ADVICE

Reference	Date
CED 7/T-11	09-01-2012

TECHNICAL COMMITTEE:

Structural Engineering and Structural Sections Sectional Committee, CED 7

ADDRESSED TO :

1. Interested Members of Civil Engineering Division Council, CEDC
2. All Members of CED 7, CED 7:2 & CED 7:9
3. All others interested

Dear Sir (s),

Please find enclosed the following draft amendment:

Doc No.	Title
CED 7(7836)	Draft Amendment No. 2 to IS 808:1989 Dimensions for Hot Rolled Steel Beam, Column, Channel and Angle Sections (<i>Third Revision</i>)

Kindly examine the draft amendment and forward your views stating any difficulties which you are likely to experience in your business or profession, if these are finally adopted as amendment to National Standard.

Last Date for comments: **15 03 2012**

Comments, if any, may please be made in the format as given overleaf and mailed to the undersigned at the above address.

In case no comments are received or comments received are of editorial nature, you will kindly permit us to presume your approval for the above draft amendments as finalized. However, in case comments of technical in nature are received then these may be finalized either in consultation with the Chairman, Sectional Committee or referred to the Sectional Committee for further necessary action if so desired by the Chairman, Sectional Committee.

The drafts are also hosted on BIS website **www.bis.org.in**.

Thanking you,

Yours faithfully,

(A.K. Saini)
Sc 'F' & Head (Civil Engg.)
e-mail : ced@bis.org.in

Encl: As above

BUREAU OF INDIAN STANDARDS

Draft for Comments Only

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Structural Engineering and Structural
Sections Sectional Committee, CED7

Last date for comments:
15 March 2012

DRAFT AMENDMENT NO. 2

TO

**IS 808 : 1989 DIMENSIONS FOR HOT ROLLED STEEL BEAM,
COLUMN, CHANNEL AND ANGLE SECTIONS**

(Third Revision)

(Page 1, clause 3.2, Title) – Substitute ‘Z-Z Axis’ for ‘X-X Axis’.

(Page 1, clause 4.2.2) – Substitute the following for the existing, as appropriate:

$$C_z = A - e_z,$$

e_z = distance of extreme fibre from Z-Z axis,

I_z = moment of inertia about Z-Z axis,

$$Z_x = \frac{I_z}{e_z} = \text{modulus of section about Z-Z axis,}$$

$$r_z = \sqrt{\frac{I_z}{e_z}} = \text{radius of gyration about Z-Z axis,}$$

α = angle between U-U and Z-Z axes of angle section; slope of flange in the case of beam, column or channel.

(Page 3, Table 2.1, Figure) – Substitute ‘Z-Z’ axis for the ‘X-X’ axis.

(Page 3, Table 2.1) – Substitute ' I_z ', ' r_z ', ' Z_z ' for ' I_x ', ' r_x ', ' Z_x ' respectively for the symbols under heading 'Sectional Properties'.

(Page 4, Table 2.2) – Substitute ' I_z ', ' r_z ', ' Z_z ' for ' I_x ', ' r_x ', ' Z_x ' respectively for the symbols under heading 'Sectional Properties'.

(Page 5, Table 3.1, Figure) – Substitute 'Z-Z' axis for the 'X-X' axis.

(Page 5, Table 3.1) – Substitute ' I_z ', ' r_z ', ' Z_z ' for ' I_x ', ' r_x ', ' Z_x ' respectively for the symbols under heading 'Sectional Properties'.

(Page 6, Table 4.1, Figure) – Substitute 'Z-Z' axis for the 'X-X' axis.

(Page 6, Table 4.1) – Substitute ' I_z ', ' r_z ', ' Z_z ' for ' I_x ', ' r_x ', ' Z_x ' respectively for the symbols under heading 'Sectional Properties'.

(Page 7, Table 4.2, Figure) – Substitute 'Z-Z' axis for the 'X-X' axis.

(Page 7, Table 4.2) – Substitute ' I_z ', ' r_z ', ' Z_z ' for ' I_x ', ' r_x ', ' Z_x ' respectively for the symbols under heading 'Sectional Properties'.

(Page 8, Table 5.1, Figure) – Substitute 'Z-Z' axis for the 'X-X' axis, ' C_z ' for ' C_x ' and ' e_z ' for ' e_x '.

(Page 8, Table 5.1) – Substitute ' C_z ', ' I_z ', ' r_z ', ' Z_z ' for ' C_x ', ' I_x ', ' r_x ', ' Z_x ' respectively for the symbols under heading 'Sectional Properties'.

[Page 8, Table 5.1, col 6, (see also Amendment No. 1)] – Substitute the following for the existing:

<i>Designation</i>	<i>R₁</i>
(1)	(2)
∠ 60 60 x 4	6.5

(Page 10, Table 5.2) – Substitute ' C_z ', ' I_z ', ' r_z ', ' Z_z ' for ' C_x ', ' I_x ', ' r_x ', ' Z_x ' respectively for the symbols under heading 'Sectional Properties'.

[Page 10, Table 5.2, col 6, (see also Amendment No. 1)] – Substitute the following for the existing entries against the designations:

<i>Designation</i> (1)	<i>R₁</i> (2)
∠ 50 50 x 7	6.0
∠ 50 50 x 8	6.0
∠ 70 70 x 7	7.0
∠ 100 100 x 7	8.5
∠ 100 100 x 15	8.5
∠ 120 120 x 8	10.0
∠ 120 120 x 10	10.0
∠ 120 120 x 12	10.0
∠ 120 120 x 15	10.0
∠ 130 130 x 9	10.0
∠ 150 150 x 15	12.0
∠ 150 150 x 18	12.0
∠ 200 200 x 24	15.0

(Page 11, Table 6.1, Figure) – Substitute ‘Z-Z’ axis for the ‘X-X’ axis, ‘C_Z’ for ‘C_X’ and ‘e_Z’ for ‘e_X’.

(Page 11, Table 6.1) – Substitute ‘C_Z’, ‘I_Z’, ‘r_Z’, ‘Z_Z’ for ‘C_X’, ‘I_X’, ‘r_X’, ‘Z_X’ respectively for the symbols under heading ‘Sectional Properties’.

(Page 13, Table 6.2) – Substitute ‘C_Z’, ‘I_Z’, ‘r_Z’, ‘Z_Z’ for ‘C_X’, ‘I_X’, ‘r_X’, ‘Z_X’ respectively for the symbols under heading ‘Sectional Properties’.

[Page 13, Table 6.2, col 6] – Substitute the following for the existing entries against the designations:

<i>Designation</i> (1)	<i>R₁</i> (2)
∠ 40 20 x 3	4.5
∠ 40 20 x 4	4.5
∠ 40 20 x 5	4.5
∠ 70 50 x 5	6.5
∠ 70 50 x 6	6.5

<i>Designation</i> (1)	<i>R₁</i> (2)
∠ 70 50 x 7	6.5
∠ 70 50 x 8	6.5
∠ 75 50 x 7	6.5
∠ 80 60 x 6	7.0
∠ 80 60 x 7	7.0
∠ 80 60 x 8	7.0
∠ 100 50 x 6	8.0
∠ 100 50 x 7	8.0
∠ 100 50 x 8	8.0
∠ 100 50 x 10	8.0
∠ 100 65 x 7	8.0
∠ 120 80 x 8	9.0
∠ 120 80 x 10	9.0
∠ 120 80 x 12	9.0
∠ 135 65 x 8	10.0
∠ 150 75 x 9	10.0
∠ 150 75 x 15	10.0
∠ 150 90 x 10	11.0
∠ 150 90 x 12	11.0
∠ 150 90 x 15	11.0
∠ 200 100 x 15	12.0
∠ 200 150 x 15	13.5
∠ 200 150 x 18	13.5

FORMAT FOR SENDING COMMENTS ON BIS DOCUMENTS

(Please use A4 size sheet of paper only and type within fields indicated. Comments on each clause/subclause/table/fig etc. be started on a fresh box. Information in column 3 should include reasons for the comments and suggestions for modified working of the clauses when the existing text is found not acceptable. Adherence to this format facilitates Secretariat's work)

NAME OF THE COMMENTATOR/ORGANIZATION: _____

DOC. NUMBER AND TITLE: CED 7(7836)

Draft Amendment No. 2 to IS 808 : 1989

SI No. (1)	Clause/Subclause/ Para No. (2)	Comments/suggestions (3)