

सेंट्रल मार्क्स डिपार्टमेंट-2

हमारा संदर्भ: सीएमडी-2/16:1161

23.11.2023

विषय: आईएस 1161:2014 में संशोधन संख्या 2 के कार्यान्वयन के लिए दिशानिर्देश

यह ऊपर वर्णित विषय के संदर्भ में है।

सक्षम प्राधिकारी ने कार्यान्वयन के लिए संलग्न दिशा-निर्देशों का अनुमोदन कर दिया है।

सभी आरओ/बीओ से अनुरोध है कि उपरोक्त दिशानिर्देशों का तत्काल प्रभाव से कार्यान्वयन सुनिश्चित करें।

**कन्नन गोविंदराज
वैज्ञानिक डी**

प्रमुख (सीएमडी-2)
सभी आरओ/बीओ/लैब /MTD/LPPD

CENTRAL MARKS DEPARTMENT-2

Our Ref: CMD-2/16:1161

23 Nov 2023

Subject: Guidelines for implementation of Amendment No. 2 to IS 1161:2014

This has reference to the subject mentioned above.

The Competent Authority has approved the enclosed Guidelines for implementation.

All ROs/BOs are requested to ensure the implementation of the above Guidelines with immediate effect.

**Kannan Govindaraj
Scientist D**

Head (CMD-2)

All ROs/BOs/Labs/MTD/LPPD

CENTRAL MARKS DEPARTMENT-2

Our Ref: CMD-2/16: 1161

23 Nov 2023

Subject: Guidelines for implementation of Amendment No. 2 to IS 1161:2014 (Steel Tubes for Structural Purposes — Specification)

1. Amendment No. 2 to IS 1161:2014 had been published. The last date for implementation of the Amendment No. 2 to IS 1161:2014 is **1 Feb 2024**.
2. All BOs/FMCD shall inform the Applicants and Licensees under their jurisdiction about implementation of the amended Standard within a week of issuance of these guidelines.
3. The significant changes in the amended Standard as listed in the Table are given for the purpose of general guidance. BOs/FMCD shall ensure that the product conforms to all the requirements, as applicable, as per the amended Standard.

Clause	Change
1 Scope	The scope has been amended to cover Hot Finished Welded(HFW) Tubes also apart from the existing hot finished seamless (HFS), electric resistance welded (ERW) or high frequency induction welded (HFIW) steel tubes for structural purposes
3 Designation	02 new grades of Steel Tubes i.e. Yst 420 and Yst 460 have been added apart from the existing 4 grades i.e. Yst 210, Yst 240, Yst 310, Yst 355
5 Material	Title of the clause has been amended to “ MANUFACTURE AND MATERIAL ” Further, the existing clause (5) has been amended and substituted as cl.5.1. as per which Hot Finished Welded (HFW) manufacturing process has been added. A new clause 5.2 has been added as per which chemical requirements of material for seamless tubes have been specified. Further, for welded tubes it has been stated that hot rolled strips conforming to IS 10748/IS 2062 shall be used. A new clause 5.3 has been added which refers to Table 3 for applicable grades of Steel Tubes for the manufacturing processes mentioned at cl.5.1
6.1.3 Dimensions and Weights	The clause has been amended to specify that tubes of thickness higher than the specified minimum thickness of tubes for all diameters (NB and their corresponding OD) (as shown in Table 1) may be supplied as per mutual agreement between the manufacturer and purchaser

11.2, Table 2 Tensile Properties of Steel Tubes for Structural Purposes	Tensile Properties of Steel Tubes manufactured from the new grades i.e. Yst 420, Yst 460 have been added in the Table
Table 3 Steel and Supply Conditions	Title of the Table has been amended to “ Applicable Grades of Steel Tubes for Manufacturing Processes ” Further, reference to the raw material Steel and Supply Conditions for each of the manufacturing processes have been omitted and the existing table has been substituted by a new table which indicates the applicable grades for each of the manufacturing processes i.e. HFW, HFS/CDS, ERW/HFIW
Table 1 Sizes and Properties of Steel Tubes for Structural Purposes	Table has been amended with regards to the Minimum Thickness for all diameters (NB and their corresponding OD)

4. Consequent upon the issuance of the Amendment No. 2, there are changes in Product Manual. The same is being circulated separately.
5. The guidelines for implementation of the Amendment No. 2 to IS 1161:2014 is given below:

A. LICENSEES:

- a) On issuance of Amendment no. 2 to IS 1161:2014, Hot finished Welded (HFW) tubes is now covered in the IS. Two new grades Yst 420 & Yst 460 are newly introduced in the IS. Nominal bore from 400mm to 1200mm included in the standard. There is change in thickness requirement for all diameters.
- b) BOs shall advise licensees to submit the following evidence of conformity for implementation of Amendment no. 2 to IS 1161:2014:-
 - i) In-house Test reports/ Independent Test Reports as per IS 1161:2014 with Amendment No. 2 for the existing grades covered in the scope of the licence.**
- c) BOs shall verify the documentary evidences submitted by the licensees for their compliance as per amended IS 1161:2014 and shall issue endorsement with regards to implementation of Amendment No. 2 to IS 1161:2014.
- d) Inclusion of the new grade designation(s) shall be processed as per the existing Guidelines for Change in Scope of Licence as per CMD1 Circular ref: CMD-1/2:12:4 dated 13 May 2021.

1. All Licensees shall implement the Amendment No. 2 by **01.02.2024**. Any difficulty in implementation shall be brought to the notice of CMD-2 within 30 days from the date of issuance of this guidelines. BOs shall ensure that no Licences are under operation without Amendment No. 2 after **01.02.2024**. The status of implementation of the Amendment No. 2 shall be confirmed by Head (BO) to

CMD-2 within two weeks of the last date of concurrent running.

2. BOs shall also plan an early surveillance visit, preferably within 30 days of switchover by the licensee, for verification of the implementation of the Amendment No. 2.

3. If the Licensee fails to complete all actions by **01.02.2024** it shall be dealt with as per the prevailing guidelines.

B. APPLICATIONS FOR GRANT OF LICENCE:

1. Existing Applications where Sample has been submitted in the Laboratory/Test Report has been issued by the Laboratory may be processed as per the old Standard. However, if the Applicant is desirous of considering the Application as per the amended Standard, a declaration may be obtained from the Applicant to that effect and the Application may be processed accordingly. An undertaking shall also be obtained from such Applicants that if the sample fails in new test requirements, Licence will not be granted by BIS as per the old version.
2. Applications which are recorded henceforth may be processed as per the old Standard or the amended Standard. Processing of Applications as per the old Standard shall be permitted only upto **01.02.2024** and for such cases Applicant shall give a declaration that they will implement the amended Standard by **01.02.2024**.
3. Beyond **01 Feb 2024**, no Licence shall be granted as per the old Standard.

C. CHANGE IN SCOPE OF LICENCE:

1. For change in scope of licence, the relevant provisions as given above for Applicants shall apply.
2. However, processing of such applications for change in scope of licence as per the old Standard shall be permitted only up to the date of implementation of the amended Standard or up to **01 Feb 2024** whichever is earlier.
3. The above guidelines come into force with immediate effect.

Kannan Govindaraj
Scientist D

Head (CMD-2)
DDG (Certification)
ROs/BOs