

सेंट्रल मार्क्स डिपार्टमेंट-2

हमारा संदर्भ: सीएमडी-2/16:5484

24.07.2023

विषय: संशोधित आईएस 5484:2023 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-2/16:5484

24 July 2023

Subject: Guidelines for implementation of Revised IS 5484:2023

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: 5484

24 July 2023

Subject: Guidelines for implementation of Revised IS 5484:2023 (EC GRADE ALUMINIUM ROD PRODUCED BY CONTINUOUS CASTING AND ROLLING)

1. IS 5484:1997 has been revised as IS 5484:2023 and has been published. The last date for implementation of the revised Standard is **18 November 2023** after which the old Standard shall stand withdrawn.
2. All BOs/FMCD shall inform the Applicants and Licensees under their jurisdiction about implementation of the revised Standard within a week of issuance of these guidelines.
3. The significant changes in the revised 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 revised Standard.

Clause(s)	Change
1 Scope	Scope has been modified to now cover electrical conductor (EC) Grade aluminum redraw rods between 6.5 mm to 15 mm in nominal diameter instead of the existing 9.5 mm and 7.6 mm nominal diameters.
4 Ordering information	A new clause on Ordering information had been added.
5.Manufacture	In the older version, only Ingot as per Grade 2 of IS 4026 was specified as input for manufacture of EC Grade Aluminium rod. However, now as per the revised version, any grade of Primary Aluminum covered under IS 4026 has been permitted to be used as input for manufacture of EC grade Aluminium rods. Requirement of filtration of hot metal before rolling into EC Grade aluminum rods has been specified.
6 Chemical composition	A new clause has been added specifying that the grades and Chemical composition of EC grade Aluminium rod shall be as mentioned in IS 4026. Test method for chemical analysis as per IS 504 (Parts 1 to 16) has been specified.
7.Supply of Materials	A new clause has been added specifying general conditions and inspection relating to supply of material as per IS 10259. It has also been specified that the rod shall be supplied in coil form with a single length in each coil.

9 Ultimate Tensile Strength and Elongation	The corresponding temper designation against each range of Ultimate Tensile Strength of rolled rod has been specified. The specified Ultimate Tensile Strength requirements for each range have been modified
10 Resistivity	The requirements of Resistivity have been modified to specify Resistivity and Conductivity based upon temper designations.
11. Dimensions	Nominal diameter and permissible tolerance for the range of sizes of rods has been specified.
12. Joints	The clause has been modified to specify that there shall not be any joints in the coil
16.2 BIS Certification Marking	BIS Certification Marking clause as per provisions of BIS Act 2016 had been specified.

4. Consequent upon the issuance of the revised Standard, there are changes in Product Manual. The same is being circulated separately.
5. The guidelines for implementation of the revised Standard is given below:

A. LICENSEES:

1. Switchover of Existing Licences as per IS 5484:1997 to IS 5484:2023

- a) On revision of IS 5484:1997 to IS 5484:2023, as mentioned above, IS now cover electrical conductor (EC) Grade aluminum redraw rods between 6.5 mm to 15 mm in nominal diameter. The specified Ultimate Tensile Strength requirements for each range have been modified.
- b) BOs shall advise licensees to submit the following evidence of conformity for switchover to IS 5484:2023:-
 - i) In-house/Independent Test Reports as per IS 5484:2023 for all grades covered in the scope of the licence as per grouping guidelines.**
- c) BOs shall verify the documentary evidences submitted by the licensees for their compliance as per IS 5484:2023 and shall issue endorsement with regards to switchover and revised scope of licence (with regards to dimensions, wherever applicable) as per IS 5484:2023.
- 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.

2. All Licensees shall implement the revised Standard by **18.11.2023**. Any difficulty in implementation shall be brought to the notice of CMD 2 within 30 days from the date of issuance of the guidelines. BOs shall ensure that no Licences

are under operation as per old Standard after **18 Nov 2023**. The status of implementation of the revised Standard shall be confirmed by Head (BO) to CMD-2 within two weeks of the last date of concurrent running.

3. BOs shall also plan an early surveillance visit, preferably within 30 days of switchover by the licensee, for verification of the implementation of the revised standard.

4. If the Licensee fails to complete all actions by **18 Nov 2023** 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 revised 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 revised Standard. Processing of Applications as per the old Standard shall be permitted only upto **17 Nov 2023** and for such cases Applicant shall give a declaration that they will implement the revised Standard by **18 Nov 2023**
3. Beyond **18 Nov 2023**, 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 revised Standard or up to **18 Nov 2023** whichever is earlier.
3. The above guidelines come into force with immediate effect.

Kannan Govindaraj
Scientist D

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