

केन्द्रीय मुहर विभाग -2

संदर्भ -: केमूवी-2/16:5484

31 12 2024

विषय: संशोधन संख्या 01 से आईएस 5484:2023 के कार्यान्वयन के लिए दिशानिर्देश

यह उपरोक्त विषय के संदर्भ में है।

सक्षम अधिकारी द्वारा अनुमोदित दिशानिर्देश अनुपालन हेतु संलग्न है।

सभी क्षेत्रीय/शाखा कार्यालयों से अनुरोध है की दिशानिर्देशों का तत्काल प्रभाव से अनुपालन सुनिश्चित करें।

**शिवम आहूजा
वैज्ञानिक डी**

प्रमुख (केमूवी 2)

सभी क्षेत्रीय/शाखा कार्यालय/प्रयोगशालाएँ/MTD/LRMD

CENTRAL MARKS DEPARTMENT-2

Our Ref: CMD-2/16:5484

31 12 2024

Subject: Guidelines for implementation of Amendment No.01 to 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.

**(Shivam Ahuja)
Scientist D**

Head (CMD-2)

All ROs/BOs/Labs/MTD/LRMD

CENTRAL MARKS DEPARTMENT-2

OurRef:CMD-2/16:5484

Date:31.12.2024

Subject: Guidelines for implementation of Amendment No.01 to IS 5484:2023 (EC Grade Aluminum Rod Produced by Continuous Casting and Rolling — Specification)

1. Amendment no. 1 to IS 5484:2023 has been published. The last date for implementation of the amendment is **22nd March 2025**.
2. All BOs shall inform the Applicants and Licensees under their jurisdiction about implementation of the above amendment within a week of issuance of these guidelines.
3. The significant changes in the standard through this amendment as listed in the Table are given for the purpose of general guidance. BOs shall ensure that the product conforms to all the requirements, as applicable, as per the amendment.

Clause	Change
10.1 Electrical Resistivity and Electrical Conductivity	<p>Earlier it was specified that Electrical Resistivity shall be carried out as per IS 3635 and alternatively Electrical Conductivity shall be measured as per IS 5082.</p> <p>Now, clause has been modified to state that the Electrical resistivity at 20 °C shall be determined as per method mentioned in Annex C and Electrical conductivity shall be calculated by the formula mentioned below or can directly be measured by eddy current method mentioned in IS 5082:</p> <p>Electrical conductivity percent, IACS = $0.017\ 241 \times 100 / (\text{Electrical resistivity at } 20\ ^\circ\text{C})$</p>
Annex C MEASUREMENT OF ELECTRICAL RESISTIVITY	<p>A new Annex has been added specifying the test method for the determination of the electrical resistivity of aluminium and aluminium alloys in various forms (wire, strip, rod, bar).</p>

4. Consequent to the amendment, the Product Manual of IS 5484:2023 has been revised and the same is being circulated separately.

5. The guidelines for implementation of the amendment are given below:

LICENSEES:

- 1) For implementation of the amendment, licensees shall submit the following:
 - a) Declaration with regards to availability of testing facilities (as per Form-II) for the modified Test Method of Electrical Resistivity and Electrical Conductivity as per cl.10. of IS 5484:2023 read with Amendment No.01.
 - b) In-house test reports/ Independent Test Reports of Sizes/Tempers covered in existing Scope of Licence (in line with Grouping Guidelines as per Annex A of the Product Manual of IS 5484:2023) as per IS 5484:2023 read with Amendment No.01.
- 2) All Licensees shall implement the amendment by **22nd March 2025**. Any difficulty in implementation shall be brought to the notice of CMD 2 at the earliest but in any case at least 30 days before the last date of implementation. BOs shall ensure that no Licences are under operation as per IS 5484 without the amendment **after 22nd March 2025. The status of implementation of the amendment shall be confirmed by Head (BO) to CMD-2 within two weeks of the last date of concurrent running.**
- 3) BOs may carry out an early surveillance visit for verification of the implementation of the amendment by the licensees preferably within 30 days from the date of submission of evidences of conformity by the licensee.

APPLICATIONS FOR GRANT OF LICENCE:

Existing Applications where Sample has been submitted in the Laboratory/Test Report has been issued by the Laboratory may be processed without consideration of the amendment. However, if the Applicant is desirous of considering the amendment, 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 while considering the provisions of the amendment, Licence will not be granted as per the old version.

Applications which are recorded henceforth may be processed with or without consideration of the amendment. Processing of Applications without consideration of the amendment shall be permitted only up to **21st March 2025** and for such cases Applicant shall give a declaration that they will implement the amendment by **22nd March 2025**.

Beyond **22nd March 2025** no Licence shall be granted without consideration of the amendment.

CHANGE IN SCOPE OF LICENCE:

For change in scope of licence, the relevant provisions as given above for Applicants shall apply.

However, processing of such applications for change in scope of licence without consideration of the amendment shall be permitted only up to the date of implementation of the amendment by the licensee or up to **22nd March 2025** whichever is earlier.

6. The above guidelines shall come into force with immediate effect.

Shivam Ahuja

Sc.D.(CMD-2)

Head (CMD-2)

DDG (Certification)