

केन्द्रीय मुहर विभाग -2

संदर्भ- : के मू वी-2/16: 164

14.12.2023

विषय: **IS 164:2023** के **revision** के अनुपालन के दिशा निर्देश

यह उपरोक्त विषय के संदर्भ में है।

सक्षम अधिकारी द्वारा अनुमोदित दिशा निर्देश अनुपालन हेतु संलग्न है।

अनुरोध है कि दिशा निर्देशों का तत्काल प्रभाव से अनुपालन सुनिश्चित करें।

(अमित चौधरी)
वैज्ञानिक - डी

प्रमुख (के मू वी 2)

सभी क्षेत्रीय/शाखा कार्यालय/प्रयोगशालाएँ/ CHD/LRMD

CENTRAL MARKS DEPARTMENT-2

Our Ref: CMD-2/16: 164

14.12.2023

Subject: Guidelines for implementation of Revised IS 164:2023

This has reference to the subject mentioned above.

The Competent Authority has approved the enclosed Guidelines for implementation.

It is requested to ensure the implementation of the above Guidelines with immediate effect.

(Amit Choudhary)
Scientist D

Head (CMD-2)

All ROs/BOs/Labs/CHD/LRMD

CENTRAL MARKS DEPARTMENT-2

Our Ref: CMD-2/16: 164

14.12.2023

Subject: Guideline for Implementation of revised IS 164:2023 (Ready-Mixed Paint for Road Marking- Specification)

1. Ready-Mixed Paint for Road Marking- Specification as per IS 164 : 2015 has been revised to Ready-Mixed Paint for Road Marking- Specification as per IS 164 : 2023.
2. Ready-Mixed Paint for Road Marking- Specification as per IS 164 : 2023 is currently under voluntary certification with 2 Licences in operation for the product in India.
3. IS 164 : 2015 and IS 164 : 2023 are under concurrent running till 06 January 2024 and the last date for implementation of revised IS 164 : 2023 is 06 January 2024
4. The major changes in the standard on account of the revision are given in the table below for the purpose of general guidance:

Clause No	Change
Cl 4	The Grade categorization on the basis of wear resistance test has been deleted. The paint is now categorized into two types depending on their end uses a) Type 1 — Light duty road marking paint for city/rural road marking b) Type 2 — Heavy duty road marking paint for highways and airport runway marking
Cl 5.4	Under lead restriction, the requirement has been made more stringent and the max limit has been reduced to 90 ppm from 300 ppm when no lead is used during production. Additionally, test of lead by instrumental Atomic Absorption Spectrometer (AAS) or by ICP has been allowed
Cl 5.6.2	Under <i>specific requirements</i> in the present version of the IS, test is required to be carried out as per method prescribed in IS 101 (Part 2/Sec 1) and IS 101 (Part 2/Sec 2). In the revised version of the IS, the test is to be carried out as per the method prescribed in IS 101 (Part 2/Sec 4) only.

<p>Cl 5.5 and 8.1 Table 1</p>	<p>Requirement for different Types has been given separately.</p> <p>For the test of Finish the requirement prescribed is Smooth and matt to semi-gloss <i>or full gloss as agreed to between the purchaser and the supplier</i>, in which <i>full gloss as agreed to between the purchaser and the supplier</i> has been added with the revised version of the IS.</p> <p>The following additional tests has been included with the revision</p> <ol style="list-style-type: none"> 1. Viscosity 2. Viscosity after accelerated stability 3. Early wash out resistance 4. No pick up time 5. Non volatile matter 6. Volume solid 7. Taber Abrasion resistance 8. Scrub resistance 9. Resistance to accelerated weathering 10. Flexibility 11. VOC <p>The following tests have been deleted in the revised IS</p> <ol style="list-style-type: none"> 1. Residue on sieve percent by mass 2. Flash point
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5. For Type 1 variety as per the revised IS, value given for the test parameter of Resistance to wear is 1 to 6 hours, and on this same criterion, the product was categorized as Grade 2 in the old IS. Similarly, in case of Type 2 variety, value given for the test parameter of Resistance to wear is over 6 hours, which formed the base for categorisation of the product as Grade 1 in the old IS.
6. The existing Product manual has been revised to incorporate the changes due to the revised IS and it is being circulated separately, through BIS website, as Product Manual Doc: PM/IS 164/2 November 2023.
7. The guidelines for implementation of the revised IS are as given below:
 - A. LICENSEES:
 - (i) The licensee shall implement the revised Indian Standard by 06th January 2024. Any difficulty in implementation shall be brought to the notice of CMD-2 immediately after issuance of these guidelines. BO shall ensure that the Licence is not under operation as per IS 164:2015 (old standard) after 06th January 2024. The status of implementation of the revised Indian Standard

shall be confirmed by Head (BO) to CMD-II within two weeks of the last date of implementation of concurrent running.

- (ii) The licensee is required to declare **Type** for their product as per the revised IS and submit evidence of conformity through In-house/Independent Test Reports. Additional Testing equipment, as required, shall be declared by Licensee in Form no 2.
- (iii) If Grade 1 variety as per the old IS is already covered in the scope of Licence, the scope of the Licence shall be modified to Type 2 (as per revised IS 164:2023) in place of Grade 1.
- (iv) If Grade 2 variety as per the old IS is already covered in the scope of Licence, the scope of the Licence shall be modified to Type 1 (as per revised IS 164:2023) in place of Grade 2.
- (v) BO shall verify the documentary evidence submitted by the licensee for their compliance to the revised IS 164: 2023 and shall issue endorsement with revised scope of licence.
- (vi) Verification of implementation of the revised IS, shall be done during next visit, within 30 days of confirmation of implementation of the revised standard by licensee
- (vii) If the Licensee fails to complete all actions by 06th January 2024, it shall be dealt with as per the prevailing guidelines.

B. APPLICATIONS FOR GRANT OF LICENCE:

- (i) 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 or the revised standard. However, if the Applicant is desirous of considering the Application, as per the revised IS, 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 revised IS, Licence will not be granted by BIS as per the old version.
- (ii) Applications which are recorded henceforth may be processed as per the old standard / the revised Standard. Processing of Applications as per the old Standard, shall be permitted only upto 06th January 2024. For such cases Applicant shall give a declaration that they will implement the revised Standard by 06th January 2024.
- (iii) Beyond 06th January 2024 no Licence shall be granted as per IS 164: 2015.

A. CHANGE IN SCOPE OF LICENCE:

- (i) For change in scope of licence, the relevant provisions as given above for Applicants shall apply.
- (ii) 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.

8. BOs are requested to circulate this guideline to licensees and applicants immediately within 7 days of issuance of this circular.

9. The above guidelines come into force with immediate effect.

(Amit Choudhary)
Scientist D

Head (CMD-2)
DDG(Certification)

Circulated to:

- i) All RO/BOs
- ii) All other concerned - through BIS intranet