

केन्द्रीय मुहर विभाग -2

संदर्भ -: केमूवी-2/16:4824

09 06 2022

विषय: संशोधित IS 4824:2022 के अनुपालन के दिशा निर्देश

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 सी**

प्रमुख (केमूवी 2)

सभी क्षेत्रीय/शाखा कार्यालय/प्रयोगशालाएँ/MTD/LPPD

CENTRAL MARKS DEPARTMENT-2

Our Ref: CMD-2/16:4824

09 06 2022

Subject: Guidelines for implementation of Revised IS 4824:2022

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 C**

Head (CMD-2)

All ROs/BOs/Labs/MTD/LPPD

CENTRAL MARKS DEPARTMENT-2

Our Ref: CMD-2/16: 4824

09 06 2022

Subject: Guidelines for implementation of Revised IS 4824:2022 (Bead Wires for Tyres)

1. IS 4824:2006 has been revised as IS 4824:2022 and has been published. The last date for implementation of the revised Standard is **28th October 2022** after which the old Standard shall stand withdrawn.
2. All BOs 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 shall ensure that the product conforms to all the requirements, as applicable, as per the revised Standard.

Clause	Change
7.6.1	All sizes of bead wires from 0.80 mm to 2.10 mm are now covered in the standard; The size of bead wire 0.78 mm has been deleted from the scope of the licence
5.2	Bead wires have been split in two categories, NT and HT, based on their tensile strength;
7.4.3	Test methods for testing coating weight have been incorporated in the standard;
7.4.1	Chemical composition of the bead wire has been updated bringing it in line with international practices;
-	Requirements of breaking load and bend test have been done away

4. Consequent upon the issuance of the revised Standard, the existing product manual has been revised with modifications in the scope and grouping guidelines. 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 4824:2006 to IS 4824:2022

i) On revision of IS 4824:2006 to IS 4824:2022, Bead Wires have now been classified based upon their tensile strength (NT or HT) and all sizes from 0.80 mm to up to and including 2.10 mm have now been covered instead of individual sizes that were covered under IS 4824:2006. Also, the types of coatings have been modified.

Accordingly, the Scope of the Licence and Grouping Guidelines have been revised as specified in the Product Manual of IS 4824:2022.

ii) BOs shall review the existing scope of current licences and advise licensees to submit declaration with regards to their desired scope of licence as specified in the Product Manual of IS 4824:2022 along with the following evidence of conformity as per IS 4824:2022 :-

i) Declaration with regards to availability of machinery for manufacture of range of sizes of bead wires to be covered in the scope of licence.

ii) In-house/Independent Test Reports as per IS 4824:2022 for all varieties to be covered in the scope of the licence as per grouping guidelines.

iii) Test Equipment List as per IS 4824:2022.

iii) Acceptance to Product Manual/SIT of IS 4824:2022.

ii) BOs shall verify the documentary evidences submitted by the licensees for their compliance as per IS 4824:2022 and shall issue endorsement with regards to switchover and revised scope of licence as per IS 4824:2022. **This revision of scope of licence shall also include deletion of 0.78 mm wire size for all licensees having the wire size covered under their existing scope of licence.**

iii) An example with regards to the existing scope of licence as per IS 4824:2006 and revised scope of licence as per IS 4824:2022 is given below for better understanding:-

Licence No.	Existing Scope of Licence	Revised Scope of Licence	Evidence of Conformity Required
CM/L-8200088013	Name of the product- Bead wire for tyres; Nominal Size(in mm)- 0.78 mm,0.89, 0.965, 1.83; Finish- Bronze Plated.	Level of Tensile Strength- NT, Wire Size from 0.89 mm to up to and including 1.83 mm, Type of Coating - Bronze low-tin (Sn)	In-house/Independent test report(s) of wire size 0.89 mm for NT level of tensile strength and Bronze-low tin(Sn) coating, as per IS 4824:2022.

iv) BOs shall ensure that the revised scope of licence does not cover sizes and types of coating beyond those covered under the existing scope of the licence.

v) BOs shall plan an early surveillance visit, preferably within 30 days of switchover of the licence, for verification of the implementation of the additional/modified requirements as per the revised standard by the licensees.

b) Change in Scope of Licence

i) All licensees intending to include sizes of bead wire (higher or lower) ,level of tensile strength or types of coating, apart from those already covered under their existing scope of licence, shall be required to submit declaration with regards to availability of machinery for manufacture of the additional sizes of bead wires intended to be included in the licence along with independent test reports/in-house test reports , as applicable, as per the Grouping Guidelines and such change in scope of licence shall be processed as per the Guidelines for CSoL.

An example with regards to CSoL as per IS 4824:2022 is given below for better understanding:-

Licence No.	Existing Scope of Licence	Additional varieties to be included	Evidence of Conformity Required
CM/L-8200088013	Level of Tensile Strength- NT,Wire Size from 0.89 mm to up to and including 1.83 mm, Type of Coating - Bronze high-tin (Sn), Bronze low-tin (Sn)	Level of Tensile Strength – NT, Wire Size from 0.80 mm to up to and including 2.10 mm, Type of Coating - Bronze high-tin (Sn), Bronze low-tin (Sn)	Independent Test Report of wire size 0.80 mm of NT level of tensile strength and Bronze-high tin (Sn) coating

2. All Licensees shall implement the revised Standard by 28th October 2022. 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 old Standard after 28th October 2022. 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. If the Licensee fails to complete all actions by 28th October 2022 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 **27 October 2022** and for such cases Applicant shall give a declaration that they will implement the revised Standard by **28 October 2022**
3. Beyond **28 October 2022** 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 **28 October 2022** whichever is earlier.
3. The above guidelines come into force with immediate effect.

Shivam Ahuja
Sc. C

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