

केन्द्रीय मुहर विभाग -2

कें.मु.वि-2/16: 15844 (Part 3)

दिनांक 01/05/2024

विषय: संशोधित आई एस 15844 : (Part 3) : 2024 के अनुपालन के दिशानिर्देश ।

- 1) यह उपरोक्त विषय के संदर्भ में है।
- 2) सक्षम अधिकारी द्वारा अनुमोदित दिशानिर्देश अनुपालन हेतु संलग्न है।
- 3) सभी क्षेत्रीय/शाखा कार्यालयों से अनुरोध है कि दिशानिर्देशों का तत्काल प्रभाव से अनुपालन सुनिश्चित करें।

(अमित चौधरी)
वैज्ञानिक डी

प्रमुख (केमूवी 2)

सभी क्षेत्रीय/शाखा कार्यालय/प्रयोगशालाएँ/CHD/LRMD

CENTRAL MARKS DEPARTMENT-2

Our Ref: CMD-2/16: 15844 (Part 3)

01/05/2024

Subject: Guidelines for Implementation of revised IS 15844 (Part 3):2024

1. This has reference to the subject mentioned above.
2. The Competent Authority has approved the enclosed Guidelines for implementation.
3. All BOs are requested to inform the Applicants and Licensees under their jurisdiction about implementation of the revised Standard.

(Amit Choudhary)
Scientist-D

Head(CMD-2)

All ROs/BOs/ CHD/LRMD

CENTRAL MARKS DEPARTMENT-2

Our Ref: CMD-2/16: **15844 (Part 3)**

01 05 2024

Subject: Guidelines for implementation of IS 15844 (Part 3) : 2024, SPORTS FOOTWEAR PART 3 PROFESSIONAL SPORTS FOOTWEAR)

1. This has reference to circular CMD-2/16:15844 (Part1) & 15844 (Part2) dated 21.06.2023 with subject “*Guidelines for Implementation of revised Sports Footwear Part 1 General Purpose, IS 15844 : (Part 1) , Sports Footwear Part 2 Performance Sports Footwear, IS 15844 : (Part 2)*”, and on the above mentioned subject
2. IS 15844:2010 Sports Footwear- Specification, IS 15844 : 2010 had been split into Sports Footwear Part 1 General Purpose, IS 15844 : (Part 1) , Sports Footwear Part 2 Performance Sports Footwear, IS 15844 : (Part 2) and Professional sports footwear IS 15844 (Part 3). IS 15844 (Part 1) and (Part 2) have already been gazetted and implemented. The third part, i.e., Professional sports footwear IS 15844 (Part 3):2024 has now been published.
3. The product is covered under mandatory certification to be effective from 1 August 2024. There are currently 13 Licences in India as per IS 15844:2010 and no application
4. The major changes in IS 15844 (Part 3) due to the revision in comparison to IS 15844: 2010 is given below for general guidance:

Major Changes in 15844 Part 3 in comparison to IS 15844 : 2010

Clause	Remarks
Cl 1	Scope of IS prescribes <i>performance requirements of professional sports footwear</i> . In the scope it is clearly stated that a) General purpose and b) Performance sports footwear, are not covered.
Cl 3	Terminology Clause as has been introduced.
Cl 4	Sampling and conditioning Clause has been separately referred. Under the Clause, the conditioning time of 48 hours for all test pieces in standard atmospheric conditions has been given
Cl 5	The design clause has been replaced and referred separately.
Cl 6	Restriction of Sizes as per Amd no 2 to IS 15844: 2010 has been removed. Now sizes and fittings may be as per IS 1638
Cl 7	Construction sub clause has been deleted
Cl 7.1.1	Upper to Mid sole bond performance requirement has been replaced with Upper to <i>Mid Sole/Out Sole, Upper to Composite Sole (Applicable Only When the Sole is Composite)</i> and outsole to midsole bond performance requirement has been made applicable if present. Compliance requirement for the parameter is also modified.
Cl 7.1.2	Requirement for Energy Absorption at Seat Region has been given separately for soles without midsole and in the NOTE it is provided that the compliance is not applicable for plated sole/cleated sole.
Cl 7.1.3	Requirement for Complete Shoe Flexing has been added
Cl 7.1.4	Requirement for Washability has been added
Cl 7.1.5	Requirement of Slip Resistance has been added
Cl 7.1.6	Requirement of Heel Drop has been added and categorized into four categories. Figure no1 for Heel drop is provided
Cl 7.2	Material of Upper has been divided under two classes: 1. Leather and 2. Coated fabric/Textile or combinations thereof. Coated fabric/textile or combinations thereof is further classified into

	Type I- Coated Fabric and Fully Moulded, and Type II- Textile. The requirements are given at Table 2 and 3.
Table 2 (Upper-for leather)	Requirement for Flexing endurance test (Hydrolysis); lastometer tests have been deleted and Water vapour permeability, Water Vapour Coefficient, Stitch Tear strength, abrasion test have been added. Requirement for Flexing resistance (in wet condition) is made stringent whereas requirement for tear strength and tensile strength has been relaxed. For elongation at break a wide range of 30 to 75 percent is now specified
Table 3 Upper Material – Material other than leather	Test requirement for Coated Fabric/Textile (or Combinations thereof) has been provided. Requirement given for Type I - Coated Fabric and Fully Moulded, Type II -Textile. Test for Bursting strength (for knitted fabrics), Strength at needle perforation and test for Water vapour permeability, Water vapour coefficient (not applicable for coated fabric) have been added. Requirement for Flexing resistance, Tear strength and Elongation at break and breaking Strength have been relaxed. Requirement for Fastness to artificial light has been replaced with <i>Colour fastness to light grey scale rate</i> , and the requirement is given as <i>4 or more</i> in place of <i>between 3 and 4</i>
CI 7.3	Distinction between vamp lining and quarter lining has been abolished.
Table 4	The Lining Material has been divided into Type I -Coated Fabric and Type II -Textile. Reference to leather lining has been done away with. Test for pH and Chromium VI has been deleted and Colour fastness to rubbing (crocking), and Colour fastness to perspiration have been added. Test for Water vapour permeability, Water vapour coefficient have been made applicable for only Type II lining.
CI 7.4	Classification of insole on the basis of material is abolished and the requirements are given under table 5
Table 5	In table 5, requirement of tensile strength, trouser tear strength, heat resistance-shrinkage, ross flexing are deleted. Flexing index test is stated to be applicable for cellulose board. Abrasion resistance test has been made stringent. The requirement for water absorption and desorption has been relaxed.
CI 7.5	In-sock to have a top layer of absorbent fabric laminated on EVA, latex sponge rubber, PU foam or combination thereof,). Other requirements are specified under table 6
Table 6	For in-sock/sock liner, the requirements viz tensile strength, elongation, tear strength, compression set, have been deleted and requirements for abrasion resistance, water absorption (not applicable for EVA) and water desorption have been added.
CI 7.6	Outsole has been divided into 4 categories on the basis of material viz, a) Rubber b) PVC c) TPU and d) All Other Materials. The requirements are given under table 7.
Table 7	Requirements for PVC and <i>all other materials</i> are introduced in the table. Die C tear and Trouser tear strength requirements have been replaced with Tear strength. Ross flexing test (IS 3400 Pt 16) has been replaced with Flexing resistance a) Bennewart Method or b) Ross flexing method, and compliance requirement for Hydrolysis resistance test (for PU Outsole) has been provided. Abrasion resistance has been relaxed. Test for elongation at break and compression set (Only for cellular sole) have been added.
CI 7.7	For midsole, all the materials are now covered (EVA and other material). Requirement for midsole are provided under table 8
Table 8	Tensile strength, tear strength, Die C tear strength tests have been deleted and the requirement for split tear strength and heat (resistance) shrinkage has been relaxed
CI 7.8	Differentiation of counter stiffener into filmic and non-filmic materials has been removed. Requirement of First dry collapsing load, Moisture resistance, initial dry area shape retention and area shape retention after 10th collapse have been relaxed. Requirement of Resilience has been made more stringent.
CI 7.9	New requirements for Velcro Fasteners under table 10 has been introduced
CI 7.10	New requirements for Elastic tape under table 11 has been introduced
CI 7.11	Requirement for Fasteners (Lace/ Buckle/Eyelet/D-Ring/Ski-Hook/Metal trims) has been given under table 12.

CI 7.11	Requirement for Spike/ Studs (if Used, Applicable on Removable Spikes/Studs), has been introduced and requirements given at table no 13.
CI 7.12 .1	Chemical Requirement on components of sports shoe which are in direct contact of foot to comply with Table 1 of IS 17011 for critical substances Category 1 and Category 2 has been introduced
CI 7.12.2	Restriction on lead content (applicable on PVC if present) in sports shoe, has been introduced.

5. In the above referred circular dated 21.06.2023, all Licensees of IS 15844 : 2010 having low and/or medium performance covered in the scope of their licence, were asked to switchover to IS 15844 (Part 1) : 2023 and/or IS 15844 (Part 2) : 2023, as applicable by 31 December 2023. BOs were requested to ensure that no Licences are under operation (for low and medium performance shoes) as per the old standard after 31 December 2023.
6. In the said circular it was also stated that applications which are recorded henceforth may be processed as per the old standard i.e. IS 15844 : 2010, only in case of Professional sports footwear (High performance category of IS 15844: 2010), until IS 15844 Part 3 is published. For rest all cases, application may be recorded as per IS 15844 Part 1:2023 and/or IS 15844 Part 2: 2023, as the case may be.
7. All licences of IS 15844 : 2010 presently under operation covers only High performance category footwear (Professional sports footwear as per IS 15844 (Part 3): 2024)
8. Consequent upon issuance of IS 15844 (Part 3) : 2024, product manual for the IS has been prepared and are being circulated separately through BIS website as Product Manual Doc: PM/15844 (Part 3)/1 April 2024.
9. The guidelines for switching over of IS 15844: 2010 to IS 15844 (Part 3): 2024 are as given below:

A. LICENSEES:

- a) Any difficulty in switchover shall be brought to the notice of CMD-2 immediately after issuance of these guidelines. BOs shall ensure that the Licence is not under operation as per IS 15844 : 2010 (old standard) after 31st July 2024. The status of switchover of the 15844 (Part 3) : 2024 shall be confirmed by Head (BO) to CMD-II within two weeks of the last date of concurrent running.
- b) Licensee is required to submit evidence of conformity through In-house/Independent Test Reports.
- c) Licensee shall submit declaration for additional Testing equipment in Form no 2 as applicable, if testing of the parameter is done inhouse or submit details of arrangement for testing of the parameters from Independent lab (Subcontracting of the tests), in accordance with the Scheme of Inspection and testing/QAP submitted by manufacturer. (Not applicable for Micro scale units who have availed exemption from in-house testing)
- d) BOs shall align scope of the licence as per PM of IS 15844 (Part 3) based on the documents submitted and available Test reports, and issue endorsement accordingly on switchover to IS 15844 (Part 3): 2024.
- e) Verification of implementation of IS 15844 (Part 3): 2024, shall be done through a surveillance visit preferably within 30 days of confirmation of implementation of the standard by licensee.
- f) If the Licensee fails to complete all actions by 31 July 2024, it shall be dealt with as per the prevailing guidelines.

B. APPLICATIONS FOR GRANT OF LICENCE:

- a) Existing Applications for GOL where Sample has been submitted in the Laboratory/Test Report has been issued by the Laboratory may be processed as per the old standard i.e. IS 15844 : 2010. A declaration may be obtained from the Applicant that the Licence, if granted shall be switched over to IS 15844 (part 3) before the last date of concurrent running of the ISs. BOs shall ensure that such licenses granted are switched over to the IS 15844 (part 3) : 2024 before the last date of withdrawal of IS 15844 : 2010, i.e., 31st July 2024. If, however, the Applicant is desirous of considering the Application as per IS 15844 (Part 3) : 2024, a declaration may be obtained from the Applicant to the effect and the Application may be processed accordingly. An undertaking from such Applicants shall also be obtained that if the sample fails considering IS 15844 (Part 3) : 2024, Licence will not be granted by BIS as per IS 15844: 2010.
- b) Applications which are recorded henceforth may be processed as per the IS 15844: 2010/ IS 15844 (Part 3) : 2024. Processing of Applications as per the old Standard, shall be permitted only upto 30 July 2024. For such cases Applicant shall give a declaration that they will switchover to IS 15844 (Part 3) : 2024 by 31 July 2024.
- c) Beyond 31 July 2024, no Licence shall be granted as per IS 15844: 2010.

C. 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 switchover to the IS 15844 (Part 3) : 2024.
10. BOs are requested to circulate this guideline to licensees and applicants immediately within 7 days of issuance of this circular.
11. The above guidelines come into force with immediate effect.

(Amit Choudhary)
Scientist D

Head (CMD-2)

DDG(Certification)

Circulated to:

All RO/BOs

All other concerned - through BIS intranet