

## केंद्रीय मुहर विभाग -2

संदर्भ : कें.मु.वि-2/16: 15844 (Part1) & 15844 (Part2)

दिनांक 21/06/2023

**विषय: संशोधित आई एस 15844 : (Part 1) : 2023 और आई एस 15844 : (Part 2): 2023 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 की दिशानिर्देशों का तत्काल प्रभाव से अनुपालन सुनिश्चित करें।

(अमित चौधरी)

वैज्ञानिक D

**प्रमुख (केमूवी 2)**

सभी क्षेत्रीय/शाखा कार्यालय/प्रयोगशालाएँ/CHD/LRMD

## CENTRAL MARKS DEPARTMENT-2

Our Ref: CMD-2/16: 15844 (Part1) & 15844 (Part2)

21.06.2023

**Subject: Guidelines for Implementation of revised IS 15844 (Part 1):2023 (Sports Footwear Part 1 General Purpose) and IS 15844 (Part2):2023 (Sports Footwear Part 2 Performance Sports Footwear)**

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 (Part1) & 15844 (Part1)**

**21.06.2023**

**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)**

1. Sports Footwear- Specification, IS 15844 : 2010 has been split into following three standards:
- a) Sports Footwear Part 1 General Purpose, IS 15844 : (Part 1) ,
  - b) Sports Footwear Part 2 Performance Sports Footwear, IS 15844 : (Part 2) and
  - c) Professional sports footwear IS 15844 (Part 3)

The equivalence of the various parts with the categories of footwear covered in IS 15844: 2010 is given in the table below:

Sl no	Revised (and split) Indian Standard	Category of IS 15844: 2010
1.	Sports Footwear Part 1 General Purpose, IS 15844 (Part 1) : 2023	Low performance (Casuals)
2.	Sports Footwear Part 2 performance Sports Footwear, IS 15844 (Part 2) : 2023	Medium performance
3.	Professional sports footwear IS 15844 (Part 3)	High performance

2. IS 15844 (Part 1):2023 and IS 15844 (Part 2):2023 have both been published. For Professional sports footwear, IS 15844 (Part 3) will be published in due course
3. IS 15844: 2010 and IS 15844 (Part 1) : 2023 & IS 15844 (Part 2) : 2023 are under concurrent running till 13 December 2023 and the last date for implementation of IS 15844 (Part 1) : 2023 and IS 15844 (Part 2) : 2023 is 13 December 2023, after which the old standard (IS 15844 : 2010) shall stand withdrawn.
4. All BOs shall inform the Applicants and Licensees under their jurisdiction about the revision of IS 15844: 2010 within a week of issuance of these guidelines. Further, BOs shall ensure that the product conforms to all the requirements, as applicable, as per the revised Standard IS 15844 (Part 1) : 2023 and IS 15844 (Part 2) : 2023, as applicable.
5. The significant changes in the revised standards IS 15844 (Part 1) : 2023 and IS 15844 (Part 2) : 2023, are listed in enclosed Annexure-I and Annexure-II, respectively.
6. Consequent upon issuance of IS 15844 (Part 1) : 2023 and IS 15844 (Part 2) : 2023, product manuals for IS 15844 (Part 1) : 2023 and IS 15844 (Part 2) : 2023 have been prepared and are being circulated separately through BIS website.

7. The guidelines for implementation of IS 15844 (Part 1) : 2023 & IS 15844 (Part 2) : 2023 are given below:

**A. LICENSEES:**

- a) With respect to existing licensees, there may be following situations consequent to splitting of the IS 15844: 2010 for the varieties already covered against the IS considering the equivalence given in the above table-

<b>Situation</b>	<b>IS 15844 (Part 1) : 2023</b>	<b>IS 15844 (Part 2) : 2023</b>	<b>IS 15844 (Part 3)</b>
Situation 1	covered	Not covered	Not covered
Situation 2	Not covered	covered	Not covered
Situation 3	Not covered	Not covered	covered
Situation 4	covered	covered	Not covered
Situation 5	covered	Not covered	covered
Situation 6	Not covered	covered	covered
Situation 7	covered	covered	covered

- b) In case of Situation 1, and 2, the license shall be switched over to the relevant revised IS. In case of situation 3, the licence shall be operated as per IS 15844: 2010, till the revised IS, IS 15844 (Part 3) is published (switchover to be done according to the guidelines to be issued subsequently for IS 15844 (Part 3)). Regarding situation at Sl No. 1 and 2 above, licencees shall submit evidence of conformity to IS 15844 (Part 1) : 2023 or IS 15844 (Part 2) : 2023, as applicable, through In-house/Independent Test Reports for the existing varieties covered under IS 15844 : 2010. Verification of implementation shall be done by BO within 15 days of confirmation of implementation by licensee. Any change in the in-house testing infrastructure consequent to the implementation shall also be verified during the visit.
- c) In case of situation 4, the existing Licence shall be switched over to IS 15844 (Part 1) : 2023. The licensee shall submit evidence of conformity against the new IS through In-house and/or Independent Test Reports as per IS 15844 (Part 1) : 2023. Licensee has to submit application for a new licence against IS 15844 (Part 2) : 2023 alongwith evidence of conformity through In- house and/or Independent Test Reports as per IS 15844 (Part 2) : 2023 for the existing varieties covered under IS 15844 : 2010
- d) In case of situation 5, the existing Licence shall continue as per IS 15844:2010 to cover the variety of High performance of footwear (covered under IS 15844 : Part 3), which would subsequently be switched over to IS 15844 : Part 3 when the same is published (switchover to be done according to the guidelines to be issued subsequently for IS 15844 (Part 3)). Licensee has to apply for a new licence against IS 15844 (Part 1) : 2023 alongwith evidence of conformity through In- house and/or Independent Test Reports as per IS 15844 (Part 1) : 2023 for the existing varieties covered under IS 15844 : 2010.
- e) In case of situation 6, the existing Licence shall continue as per IS 15844:2010 to cover the variety of High performance of footwear (covered under IS 15844 : Part 3), which would subsequently be switched over to IS 15844 : Part 3 when the same is published

(switchover to be done according to the guidelines to be issued subsequently for IS 15844 (Part 3)). Licencee has to apply for a new licence against IS 15844 (Part 2) : 2023 alongwith evidence of conformity through In- house and/or Independent Test Reports as per IS 15844 (Part 2) : 2023 for the existing varieties covered under IS 15844 : 2010.

- f) In case of situation 7, the existing Licence shall continue as per IS 15844:2010 to cover the variety of High performance of footwear (covered under IS 15844 : Part 3), which would subsequently be switched over to IS 15844 : Part 3 when the same is published (switchover to be done according to the guidelines to be issued subsequently for IS 15844 (Part 3)). Licencee has to apply for two new licences against IS 15844 (Part 1) : 2023 and IS 15844 (Part 2) : 2023 along with evidence of conformity through In- house and/or Independent Test Reports as per IS 15844 (Part 1) : 2023 and IS 15844 (Part 2) : 2023, respectively, for the existing varieties covered under IS 15844 : 2010.
- g) The new applications submitted as above may be processed as per the extant GOL Guidelines, except that
  - i. Evidence of conformity of the product as per the new IS may be submitted through In- house and/or Independent Test Reports
  - ii. During Preliminary Inspection only possible tests in a day shall be done in factory testing and no samples are to be drawn for independent testing.
  - iii. Verification of implementation of switched over IS (IS 15844 (Part 1) : 2023, IS 15844 (Part 2) : 2023, as applicable) shall also be carried out during the Preliminary Inspection. Any change in the inhouse testing infrastructure consequent to the implementation shall also be verified during the visit
- h) BOs shall suitably align the scope of licences in line with splitting of IS 15844 : 2010 and implementation by all licencees. The endorsement shall be issued only after the verification of implementation by the BO.
- i) All Licensees of IS 15844 : 2010 having low and/or medium performance covered in the scope of their licence, shall switchover to IS 15844 (Part 1) : 2023 and/or IS 15844 (Part 2) : 2023 as applicable by 13 December 2023. BOs shall ensure that no Licences are under operation as per the old standard after 13 December 2023. The status of implementation shall be confirmed by Head (BO) to CMD-2 within two weeks of the last date of concurrent running.
- j) For any change in the testing infrastructure informed by licensee consequent to switchover to new ISs, BO shall ensure submission of declaration of additional test equipment in Form no 2 by licensee, which is also to be verified in the verification visit.
- k) If the licensees fail to complete all actions by 13 December 2023, it shall be dealt with as per the prevailing guidelines.
- l) Acceptance of SIT of IS 15844 (Part 1) : 2023: and/or IS 15844 (Part 2) : 2023 shall be submitted by all licensees, as applicable..

## **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 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 1):2023, and/or IS 15844 (part 2):2023 and/or IS 15844 (part 3), as applicable, before the last date of concurrent running of the ISs. BOs shall ensure that such licenses granted are switched over to the applicable ISs before the last date of withdrawal of IS 15844 ; 2010.

If, however, the Applicant is desirous of considering the Application as per IS 15844 (Part 1) : 2023 OR IS 15844 (Part 2) : 2023, 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 in new test requirements, 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 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.

iii) Beyond 13 December 2023, no Licence shall be granted as per the old standard.

### **C. CHANGE IN SCOPE OF LICENCE:**

i) For existing request 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 upto the date of confirmation of implementation of revised IS by the licensee or last date of concurrent running period, whichever is earlier.

iii) The above guidelines come into force with immediate effect.

(Amit Choudhary)  
Scientist D

**Head (CMD-2)**  
**DDG (Certification)**

**A. Major Changes in IS 15844 Part 1 in comparison to IS 15844 : 2010**

Clause	Remarks
CI 3	Terminology Clause as has been introduced
CI 4.2	In the IS 15844 Part 1 there is no separate clause for design. Requirement given at clauses 3.2.3 and 3.2.4 of IS 15844 : 2010 have been incorporated under Construction (CI 4.2) of IS 15844 Part 1
CI 4.3.2	The requirement for the toe spring height has been added
CI 4.3.3	Requirement for bond performance now specifies upper to midsole/upper to outsole bond performance. The requirement has been made irrespective of the material of the upper and rigidity of sole. The required values for the bond performance has also been relaxed
CI 4.3.4	New requirement introduced for Upper to Composite Sole Bond Performance (Applicable only when the sole is Composite)
CI 4.3.5	Sole to Mid sole bond performance requirement has been reworded to Out Sole to Mid Sole (Multilayer) Bond Performance. The required values for the bond performance has also been relaxed
CI 4.3.6	Value required for compliance to Energy Absorption at Seat Region has been relaxed from 20J to 15 J
CI 4.3.7	Requirement for Complete Shoe Flexing has been added
CI 4.3.8	Optional Requirement for Washability has been added
CI 4.3.9	Requirement of Slip Resistance has been added
CI 4.4	Material of Upper has been divided under two classes: Leather and Material other than leather (coated fabric/textile or combinations thereof). The requirements are given at Table 1 and 2, respectively.
Table 1 (Upper-for leather)	Requirement for Flexing endurance test (Hydrolysis); Tensile/Breaking Strength, Elongation at break and lastometer test have been deleted and Water vapour permeability, Water Vapour Coefficient, Stitch Tear strength have been added
Table 2 Upper Material – Material other than leather	Test requirement for materials other than leather has been provided
CI 4.5	Distinction between vamp lining and quarter lining has been abolished
Table 3	Tear Strength test has been given for all materials (and not specific to leather and, coated fabric and textile as is available in IS 15844:2010) Abrasion resistance test requirement has been relaxed, test for pH and Chromium VI have been deleted and Colour fastness to rubbing (crocking), and Colour fastness to perspiration have been added
CI 4.6	Classification of insole on the basis of material is abolished and the requirements are given under table 4
Table 4	In table 4, requirement of tensile strength, heat resistance-shrinkage, ross flexing are deleted and the requirement for thickness is added
CI 4.7	Material dependent requirement of in-sock/sockliner has been done away with. The requirement is given under table 5
Table 5	For in-sock/sock liner, all the requirements viz tensile strength, elongation, tear strength, compression set, heat resistance has been replaced with requirements for thickness, abrasion resistance, water absorption and desorption
CI 4.8	Material dependent requirement of outsole has been done away with. The requirement is given under table 6.
Table 6	Tensile strength, Tear strength (Die C and Trouser) test has been deleted. Ross flexing (IS 3400 Pt 16) has been replaced with Flexing resistance (IS 8085-Part 4/Annex D) and Hydrolysis resistance test has been added (for PU Outsole)

CI 4.9	For midsole, all the materials are now covered (EVA and other material). Requirement for midsole are provided under table 7
Table 7	Tensile strength, elongation, tear strength, Die C tear strength tests have been deleted and the requirement for split tear strength and heat resistance have been relaxed
CI 4.10	Differentiation of counter stiffener into filmic and non-filmic materials has been removed. Requirement of peel strength of the counter material has been removed.
CI 4.11	New requirements for Velcro Fasteners under table 9 has been introduced
CI 4.12	New requirements for Elastic tape under table 10 has been introduced
CI 4.13	Requirement for Fasteners (Lace/ Buckle/Eyelet/D-Ring/Ski-Hook/Metal trims) has been given under table 11.
CI 4.14	Chemical Requirement on Complete product as per Table 1 of IS 17011 has been introduced

B. Major Changes in 15844 Part 2 in comparison to IS 15844 : 2010

Clause	Remarks
CI 3	Terminology Clause as has been introduced
CI 5	New requirements for performance sports footwear has been added at 5.2, 5.3 and 5.4
CI 6	Restriction of Sizes as per Amd no 2 to IS 15844: 2010 has been removed. Now sizes and fittings are to be in accordance with IS 1638
CI 7.1.1	The requirement for the toe spring height has been added
CI 7.1.2	Requirement for bond performance now specifies upper to midsole/upper to outsole bond performance. The requirement has been made irrespective of the material of the upper and rigidity of sole.
CI 7.1.3	New requirement introduced for Upper to Composite Sole Bond Performance (Applicable only when the sole is Composite)
CI 7.1.4	Sole to Mid sole bond performance requirement has been reworded to Out Sole to Mid Sole (Multilayer) Bond Performance.
CI 7.1.6	Requirement for Complete Shoe Flexing has been added
7.1.7	Requirement for Washability has been added
7.1.8	Requirement of Slip Resistance has been added
7.1.9	Requirement of Heel Drop has been added
7.2	Material of Upper has been divided under two classes: Leather and Material other than leather (coated fabric/textile or combinations thereof). The requirements are given at Table 2 and 3, respectively.
Table 2 (Upper-for leather)	Requirement for Flexing endurance test (Hydrolysis); Breaking Strength; lastometer tests have been deleted and Water vapour permeability, Water Vapour Coefficient, water penetration and water absorption, Stitch Tear strength, abrasion test (for unlined upper) have been added
Table 3 Upper Material – Material other than leather	Test requirement for materials other than leather- – Coated Fabric/Textile or Combinations thereof has been provided
7.3	Distinction between vamp lining and quarter lining has been abolished.
Table 4	Tear Strength test has been given for all materials (and not specific to leather and, coated fabric and textile as mentioned in IS 15844:2010) Test for pH and Chromium VI has been deleted and Colour fastness to rubbing (crocking), and Colour fastness to perspiration have been added
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 and the requirement for thickness is added
7.5	In-sock to have a top layer of absorbent fabric laminated on EVA, latex sponge rubber, PU foam or combination thereof, has been provided in IS 15844 (Part 2) : 2023. 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 thickness, abrasion resistance, water absorption and desorption have been added
7.6	Material dependent requirement of outsole has been done away with. The requirement is given under table 7.
Table 7	Tear strength (Die C and Trouser) test has been deleted. Ross flexing (IS 3400 Pt 16) has been replaced with Flexing resistance as per IS 8085 (Part 4)/ISO 16177 : 2012, and Hydrolysis resistance test has been added (for PU Outsole), Abrasion resistance has been specified for Cellular sole and Solid sole, Requirement for tensile strength has been relaxed, test for elongation at break and compression set have been added
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 heat resistance has been relaxed
7.8	Differentiation of counter stiffner into filmic and non filmic materials has been removed. Requirement of initial dry area shape retention and area shape retention after 10th collapse have been relaxed.
7.9	New requirements for Velcro Fasteners under table 10 has been introduced
7.10	New requirements for Elastic tape under table 11 has been introduced
7.11	Requirement for Fasteners (Lace/ Buckle/Eyelet/D-Ring/Ski-Hook/Metal trims) has been given under table 12.
7.12	Chemical Requirement on Complete product as per Table 1 of IS 17011 has been introduced