

केन्द्रीय मुहर विभाग-2

हमारा संदर्भ : के.मु.वि.-2/16: 5175

11 04 2018

विषय: आई एस 5175:2014 व संशोधन संख्या 1 का कार्यान्वयन दिशा निर्देश

1. उपरोक्त विषय के संदर्भ मे परिपत्र अवलोकन हेतु संलग्न है।

(आदित्य दास)
वैज्ञानिक सी (सी एम डी-2)

प्रमुख (के.मु.वि.-2)

सभी क्षेत्रीय/शाखा कार्यालयों/टी एक्स डी को परिचालित
आई टी एस विभाग - बीआईएस इंटरनेट पर अपलोड करने के लिए

CENTRAL MARKS DEPARTMENT-2

Our Ref: **CMD-2/16: 5175**

11 04 2018

Subject: Implementation guidelines for IS 5175:2014 and its amendment no. 1

1. Please find enclosed circular regarding above subject for kind consideration.

(Aditya Das)
Sc. 'C' (CMD-2)

Head (CMD-2)

Circulated to all ROs/BOs/TXD

Copy to: ITS for hosting on BIS Intranet

CENTRAL MARKS DEPARTMENT 2

Our Ref: CMD III/16: 5175

11 04 2018

Subject: Guidelines for implementation of revised IS 5175:2014 and Amendment No. 1. to IS 5175:2014

1. IS 5175:1992 was revised as IS 5175:2014 as per Gazette Notification dated 19 Oct 2016. Although the date of cancellation of old standard IS 5175:1992 was **19 April 2017**, it was observed that there were some anomalies in the standards and an amendment is required to make the standard amendable to certification.
2. The amendment no. 1 to IS 5175:2014 was subsequently published vide Gazette Notification dated 18 Jan 2018, with date of implementation as 30 June 2018. Further, a corrigendum has also been issued extending the last date of implementation of IS 5175:2014 to 30 June 2018, which has been circulated separately by CMD-2. Accordingly, the last date of implementation of revised IS 5175:2014 and its amendment no. 1 is **30 June 2018**.
3. All BOs shall inform the Applicants/Licensees under their jurisdiction about implementation of the above revised IS and amendment.
4. The significant changes in the revised IS and amendment is given below for the purpose of general guidance. BOs shall ensure that the product conforms to all the requirements, as applicable.
 - i) 4 strand shroud-laid and 12 strand braided ropes and their specific requirements have been included.
 - ii) Ropes made from PP high tenacity multifilament (PP3) and their specific requirements have been included.
 - iii) Ropes of reference number 4.5, 5, 9, 104, 112, 120, 128, 136, 144 and 160 for 3 strand hawser-laid have been included.
 - iv) Requirement for breaking strength for unspliced and eye-spliced terminations ropes have been incorporated.
 - v) Rope of reference number 8 has been excluded and rope of reference number 30 has been included for 8 strand braided.
 - vi) Specific requirement for pitch has been excluded.
 - vii) Missing tolerances for linear density have been incorporated (typographical correction).
 - viii) Pitch or length of lay has been provided for information only
5. Consequent upon issuance of the revised IS and amendment, existing STI has been revised as Doc: STI/5175/3 April 2018.
6. The guidelines for implementation of the revised IS and amendment is given below:
 - A. For Licensees:**
 - (i) All Licensees shall implement the revised IS and amendment no. 1 by **30 June 2018**. BOs shall ensure that no Licences are under operation as per IS 5175:1992 or as per IS 5175:2014 without amendment no. 1 after **30 June 2018**.

- (ii) Licensees shall confirm conformance to the additional requirements through In-house/ Independent Test Reports or Test Certificates, as applicable. Verification of additional requirements and facilities, if any, may be done during the next visit.
- (iii) BO may issue endorsement for the revised STI after receipt of STI Acceptance and the confirmation from the Licensee on implementation of the revised IS and amendment. If the Licensee fails to complete all actions by **30 June 2018** it shall be dealt with as per OMPC.

B. For Applicants:

- (i) Existing Applications where Sample has been submitted in the Laboratory/Test Report has been issued by the Laboratory may be processed as per old standard or without consideration of amendment. However, if the Applicant is desirous of considering the application as per the revised IS and amendment, a declaration from the Applicant may be obtained to that 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 or without amendment.
- (ii) Applications which are recorded henceforth may be processed with or without consideration of the revised IS or amendment. Processing of Applications without consideration of the revised IS or amendment shall be permitted only up to **30 April 2018** and for such cases Applicant shall give a declaration that they will implement the revised IS and amendment by **30 June 2018**.
- (iii) Beyond **30 June 2018** no Licence shall be granted as per IS 5175:1992 OR as per IS 5175:2014 without consideration of the amendment no. 1.

C. For Inclusions:

- (i) For Inclusion of New Varieties, the relevant provisions as given above for Applicants shall apply.
- (ii) However, processing of Inclusions without consideration of the revised IS and amendment shall be permitted only upto the date of implementation of the revised IS and amendment by the licensee or upto **30 June 2018** whichever is earlier.

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

Aditya Das
Sc. C

Head (CMD 2)
DDG (Certification)

AMENDMENT NO. 1 DECEMBER 2017
TO
IS 5175 : 2014/ISO 1346 : 2012 FIBRE ROPES — POLYPROPYLENE SPLIT
FILM, MONOFILAMENT AND MULTIFILAMENT (PP2) AND
POLYPROPYLENE HIGH-TENACITY MULTIFILAMENT (PP3) — 3-, 4-, 8- AND 12-
STRAND ROPES

(Third Revision)

(Second cover page, National Foreword, para 2) — Insert the following after para 2:

‘The following major changes have been incorporated in this revised version:

- a) 4 strand shroud-laid and 12 strand braided ropes and their specific requirements have been included.
- b) Ropes made from PP high tenacity multifilament (PP3) and their specific requirements have been included.
- c) Ropes of reference number 4.5, 5, 9, 104, 112, 120, 128, 136, 144 and 160 for 3 strand hawser-laid have been included.
- d) Requirement for breaking strength for unspliced and eye-spliced terminations ropes have been incorporated.
- e) Rope of reference number 8 has been excluded and rope of reference number 30 has been included for 8 strand braided.
- f) Specific requirement for pitch has been excluded.
- g) Requirements for marking have been modified.’

(Second cover page, National Foreword, para 4) — Substitute the following for the existing:

‘In this adopted standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards which are to be substituted in their respective places are listed below along with their degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 1968 Fibre ropes and cordage — Vocabulary	IS 3871 : 2012 Fibre ropes and cordage — Vocabulary (<i>third revision</i>)	Identical with ISO 1968 : 2004
ISO 2307 Fibre ropes — Determination of certain physical and mechanical properties	IS 7071 (Parts 1-3) : 1989 Ropes and cordages — Methods of physical test (<i>first revision</i>)	Technically Equivalent
	IS 7071 (Part 4) : 1986 Methods of physical test for ropes and cordages: Part 4 Breaking load and elongation at break	do
ISO 9554 : 2010 Fibre ropes — General specifications	IS/ISO 9554 : 2010 Fibre ropes — General specifications	Identical

(Second cover page, National Foreword, para 4) — Insert the following new para after para 4:

‘There is a typographical error in the tolerance for linear density under Table 1 of this standard which is rectified as follows:

(Page 3, Table 1, Tolerance for linear density) — Tolerance of ± 10 is applicable for reference numbers 4 to 9.

Price Group 2

Amendment No. 1 to IS 5175 : 2014/ISO 1346 : 2012

(Page 3, Table 1, Tolerance for linear density) — Tolerance of ± 8 is applicable for reference numbers 10 to 14.

(Page 3, Table 1, Tolerance for linear density) — Tolerance of ± 5 is applicable for reference numbers 16 to 160.

(Second cover page, National Foreword, para 5) — Insert the following new para after para 5:

‘Pitch or length of lay for polypropylene 3-strand hawser-laid rope and 8-strand braided rope is given in National Annex B for information only.’

(Page 8, National Annex A) — Insert the following new National Annex B after National Annex A:

NATIONAL ANNEX B
(National Foreword)

B-1 Pitch or length of lay for polypropylene 3-strand hawser-laid rope and 8-strand braided rope is given in following Tables 4 and 5 for information only:

Table 4 Pitch or Length of Lay for Polypropylene 3-Strand Hawser-Laid Rope
(National Foreword)

Sl No.	Nominal Diameter (Reference Number)	Pitch (or Length of Lay) (Max)
(1)	mm (2)	mm (3)
i)	4	14.8
ii)	6	22.2
iii)	8	29.6
iv)	10	37.0
v)	12	44.4
vi)	14	51.8
vii)	16	59.2
viii)	18	66.6
ix)	20	74.0
x)	22	81.4
xi)	24	88.8
xii)	26	96.2
xiii)	28	103.6
xiv)	30	111.0
xv)	32	118.4
xvi)	36	133.2
xvii)	40	148.0
xviii)	44	162.8
xix)	48	177.6
xx)	52	192.4
xxi)	56	207.2
xxii)	60	222.0
xxiii)	64	236.8
xxiv)	72	266.4
xxv)	80	296.0
xxvi)	88	325.6
xxvii)	96	355.2

Table 5 Pitch or Length of Lay for Polypropylene 8-Strand Braided Rope
(National Foreword)

SI No.	Nominal Diameter (Reference Number)	Pitch (or Length of Lay) (Max)
(1)	mm (2)	mm (3)
i)	8	32
ii)	12	48
iii)	16	64
iv)	20	80
v)	24	96
vi)	28	112
vii)	32	128
viii)	36	144
ix)	40	160
x)	44	176
xi)	48	192
xii)	52	208
xiii)	56	224
xiv)	60	240
xv)	64	256
xvi)	72	288
xvii)	80	320
xviii)	88	352
xix)	96	384
xx)	104	416
xxi)	112	448
xxii)	120	480
xxiii)	128	512
xxiv)	136	544
xxv)	144	576
xxvi)	160	640