

CENTRAL MARKS DEPARTMENT III

Our Ref: CMD III/16:14494

15 March 2019

Subject: Guidelines for implementation of Revised IS 14494:2019 – Elastomer Insulated Flexible Cables for Use in Mines

1. IS 14494:1998 has been revised as IS 14494:2019 and has been published. The last date for implementation of the revised Standard is **17.07.2019** after which the old Standard shall stand withdrawn.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 is 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	Requirement
5	The requirement of Insulation has been modified for power core, pilot and earth cores
7	Thickness of Proofed Tape and Polyethylene Terephalate (PETP) or Polypropylene Base Tape has been specified
11	The requirement of tensile strength and elongation of armour wire have been specified
16.4	Application of insulation for pilot core has been included.
20	The colour scheme and number scheme for identification of cables has been modified
25.1	Tables specifying sizes of various types of cables have been specified
27.2	Magnitude of Partial Discharge at test voltage has been modified
27.4	The requirement of dielectric power factor has been changed
27.5	Requirement of Heating Cycle Test has been modified
27.6	Impulse Voltage Test has been added
27.7	The requirement of High Voltage Test has been modified

4. Consequent upon the issuance of the revised Standard, existing STI has been revised as Doc: **SIT/ IS 14494/ 1, March 2019**.
5. The guidelines for implementation of the revised Standard is given below:

A. LICENSEES:

- (i) All Licensees shall implement the revised Standard by **17.07.2019**. BOs shall ensure that no Licences are under operation as per the old Standard after **17.07.2019**. **The status of**

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

- (ii) Licensees shall submit evidence of conformity to the additional/modified requirements through In-house/Independent Test Reports or Test Certificates, as applicable. Verification of implementation of the revised Standard, wherever required, may be done during the next visit **which may normally be completed within three months of the last date of concurrent running.**
- (iii) If the Licensee fails to complete all actions by **17.07.2019** 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. 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 from such Applicants also be obtained that 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 or the revised Standard. Processing of Applications as per the old Standard shall be permitted only upto **17.07.2019** and for such cases Applicant shall give a declaration that they will implement the revised Standard by **17.07.2019**.
- (iii) Beyond **17.07.2019** no Licence shall be granted as per the old Standard.

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 upto the date of implementation of the revised Standard or upto **17.07.2019** whichever is earlier.

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

**Alismita Khag
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Head (CMD III)
DDG (Certification)