

केंद्रीय मुहर विभाग-2

संदर्भ: CMD-2/16:16513

17 09 2020

विषय: भारतीय मानक 16513 : 2016 के अनुसार कृषि वस्त्रादि - कृषि और बागवानी प्रयोजनों के लिए कीटजाल की एस आई टी (डॉक: एस आई टी /16513 /2, सितम्बर 20) का कार्यान्वयन ।

IS 16513 : 2016 के अनुसार “कृषि वस्त्रादि - कृषि और बागवानी प्रयोजनों के लिए कीटजाल” की एस आई टी (Doc: SIT/16513/2, Sept 2020) जो सक्षम अधिकारी द्वारा अनुमोदित की गई है, तत्काल प्रभाव से कार्यान्वयन हेतु संलग्न है ।

(वी के रावत)

वैज्ञानिक - सी

प्रमुख, (कें.मु.वि.-2)

उपमहानिदेशक (प्रमाणन)

सभी क्षेत्रीय /शाखा कार्यालयों को परिचालित

प्रतिलिपि : आई टी एस इंटरनेट पर अपलोड करने के लिए

CENTRAL MARKS DEPARTMENT-2

Ref: CMD-2/16:16513

17 09 2020

Subject: Implementation of SIT (Doc: SIT/16513/2, Sept 2020) for “Agro Textiles — Insect Nets for Agriculture and Horticulture purposes” as per IS 16513 : 2016

Please find enclosed SIT(Doc: SIT/16513/2, Sept 2020) for “Agro Textiles — Insect Nets for Agriculture and Horticulture purposes” as per IS 16513 : 2016, which has been duly approved by Competent Authority, for immediate implementation.

(V K Rawat)

Scientist-C

Head (CMD 2)

DDG (Certification)

Circulated to all ROs/BOs

Copy to: ITS for hosting on Intranet

**SCHEME OF TESTING AND INSPECTION
FOR CERTIFICATION OF
AGRO TEXTILES — INSECT NETS FOR AGRICULTURE
AND HORTICULTURE PURPOSES — SPECIFICATION
ACCORDING TO IS 16513 : 2016**

1 LABORATORY

1.1 A laboratory shall be maintained which shall be suitably equipped and staffed, where the tests shall be carried out in accordance with the methods given in the Indian Standard.

1.2 All testing apparatus/measuring instruments shall be periodically checked, verified and calibrated as appropriate and records of such checks/verification, calibration shall be maintained.

2 TEST RECORDS

2.1 All records of tests as per this scheme of testing and inspection shall be kept in suitable forms.

2.2 Copies of any records or charts that may be required by BIS shall be made available at any time on request.

3 QUALITY CONTROL

3.1 It is recommended that, as far as possible, Statistical Quality Control (SQC) methods may be used for controlling quality of the product during production as envisaged in this scheme [See IS 397 (Part 1), IS 397 (Part 2) and IS 397 (Part 3)].

3.2 In addition efforts should be made to gradually introduce the Quality Management System in accordance with IS/ISO 9001.

4 STANDARD MARK

4.1 The standard mark(s) as given in column (I) of the first Schedule of the license shall be printed on a label which shall be affixed on each Insect nets roll/bundle provided always that each Insect nets roll/bundle to which mark is thus applied conforms to every requirement of the specification.

5 MARKING

5.1 In addition, the following information shall be given on a label affixed on each Insect nets roll/bundle:

- a) Manufacture's name, address and recognized trade mark, if any;
- b) Type and Mesh of Insect nets;
- c) Declared length and width of the Insect nets in meters;
- d) Mass per square meter of the Insect nets in g/m^2 ;
- e) Batch No. and date of manufacture;
- f) License No. (CM/L)
- g) Any other information desired by the buyer; and
- h) For details of BIS certification scheme, see website www.bis.gov.in

6 PACKING

6.1 The Insect nets shall be, packed as per clause 7.1 of IS 16513:2016

7 LEVELS OF CONTROL

7.1 The tests as indicated in Table 1, and at the levels of control specified therein, shall be carried out on the whole production of the factory covered by this scheme and appropriate records maintained in accordance with clause 2 above and charts may be maintained as per clause 3 above. All the production which conforms to the Indian Standard and covered by this license shall be marked with the Standard Mark.

7.2 CONTROL UNIT- For the purpose of this scheme, all the Insect nets rolls/bundles of same type having the same manufacturing parameters and manufactured under similar conditions in a day shall constitute a Control unit.

7.3 In case where the sample fails to conform to any of the requirements as laid down in the specification, the entire material in the control unit shall be considered unfit for the application of the Standard Mark.

7.4 In respect of all other clauses of the specification, the factory shall maintain appropriate controls and checks to ensure that their product conforms to the various requirements of the specification.

8. REJECTIONS

8.1 A separate record providing the detailed information regarding the rejected control units and mode of their disposal shall be maintained. Such material shall in no case be stored together with that conforming to the specification.

9 SAMPLES

9.1 The licensee shall supply, free of charge, the samples required in accordance with the Bureau of Indian Standards (Certification) Regulations, 1988, as amended from time to time, from the factory or godown. BIS may draw samples from the open market, if available.

10 REPLACEMENT

10.1 Whenever a complaint is received after the goods with Standard Mark have been purchased and used, and if there is adequate evidence that the goods have not been misused, defective goods shall be replaced free of cost by the licensee, in case the complaint is proved to be genuine and the warranty period (where applicable) has not expired. The final authority to judge the conformity of the product to the Indian Standard shall be with BIS. The firm should have own complaint investigation system as per IS/ISO 10002.

10.2 In the event of any damage caused by the goods bearing the Standard Mark, or any claim being filed by the consumers against BIS Standard Mark and not “conforming to” the relevant

Indian Standard, entire liability arising out of such non-conforming product shall be of the licensee and BIS shall not in any way be responsible in such cases.

11 STOP MARKING

11.1 The marking of the product shall be stopped under intimation to BIS if, at any time, there is some difficulty in maintaining the conformity of their product to the Specification, or the testing equipment goes out of order or due to any other reason. The marking may be resumed as soon as the defects are removed under intimation to BIS. The marking of the product shall be stopped immediately if directed to do so by the Bureau for any reason. The Marking may then be resumed only after permission by the Bureau. The information regarding resumption of markings shall also be sent to the Bureau.

11.2 The marking of the product shall be stopped immediately if directed to do so by BIS for any reason. The marking may then be resumed only after permission by BIS. The information regarding resumption of marking shall also be sent to BIS.

12 PRODUCTION DATA

12.1 The licensee shall send to BIS a statement of quantity produced, marked and exported and the value thereof at the end of each operative year of the licence as per the enclosed proforma which has to be authenticated by a Chartered Accountant.

Table 1.....

IS 16513:2016, AGRO TEXTILES – INSECT NETS FOR AGRICULTURE
AND HORTICULTURE PURPOSES

TABLE 1 (LEVELS OF CONTROL),

(Para 7 of the Scheme of Testing and Inspection)

| TEST DETAILS | | | | LEVELS OF CONTROL | | |
|--------------|-------------------------------------|-------------|---------------|-------------------|---------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Cl | Requirement | Test Method | | No. of samples | Frequency | Remarks |
| | | Clause | Reference | | | |
| 4.1 | HDPE granules | 4.1 | IS 16513:2016 | One | Each Consignment | Firm may specify the parameters and * conformity certificate from supplier to be obtained for each consignment |
| 4.1 | UV stabilizer | 4.1 | IS 16513:2016 | One | Each Consignment | |
| 4.1 | HDPE Monofilament Yarn | 4.1 | IS 16513:2016 | Four | Every 8 Hours of production or part thereof | Samples from different knitting machines are to be taken * |
| 4.1 | Linear Density/Denier | 4.1 | IS 16513:2016 | -do- | -do- | |
| 4.1.1 | Heat shrinkage at 60 ^o C | 4.1.1 | IS 16513:2016 | -do- | -do- | |
| 4.1.1 | Heat shrinkage at 95 ^o C | 4.1.1 | IS 16513:2016 | -do- | -do- | |
| 4.2 | Netting Fabric | 4.2 | IS 16513:2016 | One | -do- | |
| 4.3 | Colour | 4.3 | IS 16513:2016 | Each roll/Bundle | Each control Unit | |
| 6.1 | Dimensions | 6.1 | IS 1954 | Each roll/Bundle | Each control Unit | |

| | | | | | | |
|------------|-----------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------------------------|-----|-------------------|-------------------------------------------------------------------------------------------------------------|
| 6.2 | Requirements of Insect Nets | | | | | |
| | i) Mass | 6.2 | IS 1964 | Two | Each control unit | At least one sample to be taken at the beginning of the process |
| | ii) a) Ends per inch b) Picks per inch | 6.2 | IS 1963 | Two | Each control unit | |
| | iii) Cover Factor, Percent | 6.2 | Annex B | Two | Each control unit | |
| | iv) Breaking strength of Insect nets fabric before UV exposure (Ravelled strip method 325 mm x 70 mm) a) Warpway b) Weftway | 6.2 | IS 1969 (Part 1) | Two | Each control Unit | |
| | v) Retention in Breaking Strength after UV exposure | 6.2 | Annex C and IS 1969 (Part1) | One | Three months | A Sample each of all types covered in the scope of licence and produced during the period has to be tested. |
| | vi) Bursting strength | 6.2 | IS 1966 (part 1) or IS 1966 (part 2) | Two | Each control Unit | |
| | vii) Air Permeability in mm/sec at 50 pascal water head pressure | 6.2 | IS 11056 | Two | Each control unit | |

* **Note –1:** If raw material is purchased, conformity of purchased lot (consignment) to IS 16513 shall be established either by supplier test certificate/test report issued by laboratory recognized by the Bureau or Government laboratories empanelled by the Bureau/in-house testing of each lot. Record(s) of such certificate(s)/test reports/in-house tests shall be maintained.

PROFORMA FOR OBTAINING PRODUCTION DETAILS

| | |
|---------------------------------------------------------------------------------------------------------------------|--------|
| Period covered | |
| Name of Licensee | |
| Name of Articles (s) | IS No. |
| Grade/Type/Size/Variety/Class/Rating | |
| Brand/Trade/Name(s) of Product covered under BIS Certification Mark | |
| Total production of the articles(s) licensed for certification marking | |
| Total production of the article(s) conforming to Indian Standard | |
| Production covered with BIS Certification Mark and its Value : | |
| a) Quantity | |
| Brand Name used on production covered under BIS Certification Mark | |
| Calculation of marking fee on unit-rate basis; Marking Fee per unit | |
| a) Unit | |
| b) Quantity covered with BIS Certification Mark | |
| c) Marking fee rounded off in whole rupees as obtained by applying unit rates given in (a) on quantity given in (b) | |
| Quantity not covered with BIS Certification Mark, if any. | |
| Reasons for such non-coverage | |
| Brand Name under which non-ISI goods were sold | |
| Quantity exported with BIS Standard Mark and its value | |
| Brand Name under which BIS Certified goods are exported | |
| Authentication by Chartered Accountant | |