भारतीय मानक ब्यूरो

(केंद्रीय मुहर विभाग III)

हमारा संदर्भ : सी एम डी- III/16 : आई एस 15968 **02 02 2018**

विषय : आई एस 15968 : 2013 के अनुपालन हेतु एस टी आई।

इसे उपरोक्त विषय का संदर्भ प्राप्त है ।
सक्षम प्राधिकारी ने उपरोक्त एस टी आई को अनुमोदित कर दिया है ।
सभी क्षेत्रीय और शाखा कार्यालयों से अनुरोध है की उपरोक्त एस टी आई का अनुपालन सुनिश्चित करें ।

औरोस्मिता कबिराज
वैज्ञानिक बी (सी एम डी-III)

प्रमुख (सी एम डी-III)

सभी क्षेत्रीय/शाखा कार्यालय

आई टी एस विभाग – बीआईएस इंट्रानेट पर डालने हेतू

CENTRAL MARKS DEPARTMENT-III

Ref: CMD-III/16: IS 15968 **02 02 2018**

Subject: STI Doc: STI/15968/1, January 2018 for implementation of the Standard IS 15968 : 2013, Ballasts For Tubular Fluorescent Lamps — Performance Requirements

This has reference to the subject mentioned above.

The Competent Authority has approved the STI, Doc: STI/15968/1, January 2018 for certification of the product as per IS 15968 : 2013.

All concerned are requested to ensure compliance of above STI with immediate effect.

Aurosmita Kabiraj
Sc-B (CMD-III)

Head (CMD-III)

Circulated to: All ROs/BOs

Copy to: ITS – for hosting on Intranet please

SCHEME OF TESTING AND INSPECTION FOR CERTIFICATION OF BALLASTS FOR TUBULAR FLUORESCENT LAMPS- PERFORMANCE REQUIREMENTS ACCORDING TO IS 15968 : 2013

1. LABORATORY

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

1.2 All test equipment shall be periodically checked, verified and calibrated 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 such records 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 the quality of the product during production as envisaged in this Scheme [see IS 397 (various parts)].

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

4. STANDARD MARK

4.1 The Standard Mark, as given in Column (1) of the First Schedule of the licence shall be marked on each Ballast for Tubular Fluorescent Lamp, provided always that each unit to which the Standard Mark is applied conforms to every requirement of the specification.

5. MARKING

5.1 In addition to the Standard Mark, the information as per clause 5 of IS 15968: 2013 and clause 7 of IS 15885 (Part 2/ Sec 8) shall be marked on each Ballast or be made available in the manufacturer's catalogue or the like.

6. LEVELS OF CONTROL

6.1 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 licence shall be marked with Standard Mark.

6.2 Control Unit- For the purpose of this scheme, the ballasts of the same type manufactured in a day shall constitute one control unit.

6.3 Capacitors and other components incorporated in ballasts shall comply with the requirements of the appropriate Indian Standard wherever exists. Each consignment of the components shall be accompanied by a test certificate, certifying its conformity to the relevant Indian Standard.

6.4 In respect of all other clauses of the Specification and at all stages of manufacture, the factory shall maintain appropriate control and checks to ensure that the product conforms to various requirements of the Specification.

7. REJECTIONS

7.1 A separate record shall be maintained giving information relating to the rejection of the production not conforming to the requirements of the Specification and the method of disposal. Such material shall in no case be stored together with that conforming to the Specification. The Standard Mark (if already applied) on rejected material shall be defaced.

8. SAMPLES

8.1 A 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.

9. REPLACEMENT

9.1 Whenever a complaint is received soon 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 found 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.

9.2 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.

10 STOP MARKING

10.1 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.

10.2 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

The licensee shall send to BIS a statement of quantity produced, marked and exported by him 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.

IS 15968 : 2013
BALLASTS FOR TUBULAR FLUORESCENT LAMPS- PERFORMANCE REQUIREMENTS
TABLE 1 LEVELS OF CONTROL
(Clause 6 of the Scheme of Testing and Inspection)

TEST DETAILS				LEVELS OF CONTROL		
Clause	**Requirement**	**TEST METHODS**		**No. of Samples**	**Frequency**	**Remarks**
		Clause	**Reference**			
Safety requirements as per IS 15885 (Part 2/Sec 8) [Cl. 4.6 of IS 15968]						
8	Protection against accidental contact with live parts	10	IS 15885 (Part 1)	5	Each type and rating manufactured in three months	
9	Terminals	8	-do-	5	-do-	Cl. 8 of IS 15885 (Part 1) further refers to IS 10322 (Part 3) which has been withdrawn. Hence Sec 14 & Sec 15 of IS 10322 (Part 1): 2014 may be referred to
10	Provisions for earthing	9	-do-	-do-	-do-	
11	Moisture Resistance And Insulation	11	-do-	Each ballast	-	
12	Electric Strength	12	-do-	-do-	-	
13	Thermal Endurance Test For Windings	13	-do-	7	Each type and rating manufactured in three months	

14	Ballast Heating	14.1-14.4	IS 15885 (Part 2/ Sec 8)	5	-do-	
15	High-Voltage Impulse Testing	15	-do-	-do-	-do-	
17	Construction	15	IS 15885 (Part 1)	Each ballast	-	
18	Creepage Distances And Clearances	16	-do-	5	Each type and rating manufactured in three months	
19	Screws, Current-Carrying Parts And Connections	17	-do-	-do-	-do-	
20	Resistance To Heat, Fire And Tracking	18	-do-	-do-	-do-	
21	Resistance To Corrosion	19	-do-	-do-	-do-	
Performance requirements as per IS 15968						
6	Voltage at terminations of Lamp or Starter	6	IS 15968	Each ballast	-	
7	Pre-heating conditions	7	-do-	Each ballast	-	
8	Lamp power and current	8	-do-	5	Each control unit	
9	Circuit power factor	9	-do-	-do-	Each type and rating manufactured in three months	
10	Supply current	10	-do-	-do-	-do-	
11	Maximum Current In Any Lead to a Cathode	11	-do-	-do-	-do-	
12	Current Waveform	12	-do-	-do-	-do-	
13	Magnetic Screening	13	-do-	-do-	-do-	
14	Impedance At Audio-Frequencies	14	-do-	-do-	-do-	
15	Test For Ballast Losses	15	-do-	-do-	-do-	

PROFORMA FOR OBTAINING PRODUCTION DETAILS

Period covered	
Name of Licensee CM/L No.	
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 b) Value (Rs.)	
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) **NOTE:** In case a clause is not applicable, suitable remarks may be given against it	
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	