

BUREAU OF INDIAN STANDARDS**Minutes**

Name of the Committee	No. of Meeting	Day	Date	Time	Venue
Lamps and Related Equipment Sectional Committee, ETD 23	36 th	Friday	19/04/2024	1030 h	Hybrid

CHAIRPERSON: Dr. Ranjana Mehrotra**MEMBER SECRETARY:** Ms. Neha Agarwal**Members Present:**

SI. No	Organization	Member Name	Physical/Online
1.	In Personal Capacity, New Delhi	Dr Ranjana Mehrotra	Physical
2.	BIS	Ms Neha Agarwal, Sc C	Physical
3.	ATCO Controls Pvt Ltd	Shri Bhavin Soonder	Physical
4.	Bajaj Electricals Limited, Mumbai	Shri Nimish P	Online
5.	Binay Opto Electronics Private Limited, Kolkata	Shri Vineet K. Rohatgi	Online
6.	Bureau of Energy Efficiency, New Delhi	Shri Rewti Raman	Online
7.	Consumer Association, Palakkad	Shri P.A Surendran	Online
8.	Consumer Voice, New Delhi	Shri H. Wadhwa	Physical
9.	Crompton Greaves, Mumbai	Ms Uma lanka	Online
10.	CSIR - National Physical Laboratory, New Delhi	Shri V. K. Jaiswal	Online
11.	Delhi Metro Rail Corporation Limited, Delhi	Shri M H Kamal	Online
12.	Electric Lamp and Component Manufacturers	Shri Santosh Agnihotri	Physical

	Association of India, New Delhi		
13.	Electric Lamp and Component Manufacturers Association of India, New Delhi	Shri Amal Sengupta	Physical
14.	Electrical Research and Development Association, Vadodara	Shri Nitin Patel	Online
15.	Energy Efficiency Services Limited, New Delhi	Shri Anil Kumar Choudhary	Online
16.	Havells India Limited, Noida	Ms Sudeshna Mukhopadhyay	Physical
17.	Havells India Limited, Noida	Shri Pankaj Mittal	Physical
18.	In Personal Capacity	Ms. Bhavna Kasturia	Online
19.	Indian Society of Lighting Engineers, New Delhi	Dr. Rajat Subhra Mandal	Online
20.	Intertek Indian Private Limited	Shri Hari Om	Physical
21.	Jadhavpur University, Kolkata	Dr Saswati Mazumdar	Physical
22.	Ministry of Electronics and Information Technology, New Delhi	Shri Saurabh	Online
23.	Signify Innovations India Limited, Gurugram	Shri Murli Omprakash Toshniwal	Online
24.	Signify Innovations India Limited, Gurugram	Shri Nitish Poonia	Online
25.	Surya Roshni Limited, Delhi	Shri Amit Tyagi	Online
26.	Surya Roshni Limited, Delhi	Shri Tapan Kumar Bandyopadhyay	Online
27.	The Brihanmumbai Electricity Supply and Transport, Mumbai	Shri M.M. Shaikh	Online
28.	-	Shri Amit Vikas	Online

Item 0 GENERAL

0.1 WELCOME AND OPENING REMARKS BY THE CHAIRMAN

Dr. Ranjana Mehrotra, Chairperson welcomed all the members present during the meeting in-person or through virtual mode. She wished all the members for fruitful discussion on all the agenda items.

Ms Neha Agarwal, Member Secretary welcomed the members present during the meeting.

The meeting started with brief introduction of all the members present during the meeting.

Item 1 CONFIRMATION OF THE MINUTES OF THE LAST MEETING

1.1 In view of no comments received, the committee confirmed the minutes of the last meeting (35th meeting) of Lamps and Related Equipment Sectional Committee, ETD 23 held on 3-11-2023.

1.2 Annual Program for Standardization (APS), 2024-25 for ETD 23

Ms Neha Agarwal, Member Secretary explained the key elements of APS such as meeting calendar, NWIP (carried over & current), Standards under review (carried over & current), Standards under revision (carried over & current).

Members noted the Annual Program for Standardization (APS), 2024-25 for ETD 23.

1.3 Process reforms in Standardization

Members noted the information.

Item 2 SCOPE AND COMPOSITION OF LAMPS AND RELATED EQUIPMENTS SECTIONAL COMMITTEE, ETD 23

2.1 The committee noted the composition of the sectional committee ETD 49. The following was decided:

- Update nominations from the following organizations/associations:
 - a) ELCOMA
 - b) UL India Pvt Ltd
 - c) Bajaj Electricals Limited, Mumbai
 - d) Ledvance India Private Limited, Gurugram (ELCOAM to provide details)
 - e) MLS India Private Limited, New Delhi (ELCOAM to provide details)
- Delete EON Electric Limited, Noida
- Seek fresh nominations from:
 - a) Ministry of Defence and Airport Authority of India (Chairperson to provide details of concerned person)
 - b) TERI
 - c) ICAT (Shri Pankaj Mittal to provide details)

- Co-opt the following labs/academia/industries
 - a) IIT Delhi
 - b) CSIO (Chairperson to provide details of concerned person)
 - c) CERI (Chairperson to provide details of concerned person)
 - d) Havells India Pvt Ltd
 - e) Tridonic

Item 3 ACTION ARISING OUT OF PREVIOUS MEETING

Sl No.	Subject	Decision of the last meeting	Action/Remarks	Decision taken during the meeting
1.	Revision of IS 418 :2004 Tungsten Filament Lamp for Domestic and Similar General Lighting Purposes	ELCOMA has submitted that these lamps are still manufactured and sold in India and have recommended that this standard be revised in line with IEC.	-	The committee deliberated on the declining usage of these lamps and concluded that they may soon become obsolete. Therefore, it was decided to not to revise the standard and opted to maintain it unchanged.
2.	Revision of IS 15518 (Part 1): 2004 Safety Requirements for Incandescent Lamps - Part 1 Tungsten Filament Lamps for Domestic and Similar General Lighting Purposes	ELCOMA has submitted that these lamps are still manufactured and sold in India and have recommended that this standard should be revised inline with IEC.	IEC 60432-1:1999+AMD1:2005+AMD2:2011 CSV Major technical changes through amendments as follows: 1. covers photobiological safety according to IEC 62471 2. Table 2 – Maximum allowable cap temperature rise (Δt_s) for various lamp wattages and classes over a 12 month period average Table 5 – Interchangeability gauges and lamp cap dimensions	Shri Amalsen Gupta informed that these lamps are not being used anymore. Therefore, there is no need to revise the standard. Dr Ranjana Mehrotra suggested reassessing the standard in a year to gauge the market conditions and determine if a revision is necessary.
3.	Revision of IS 15885 (PART 1): 2011 Safety of Lamp Control gear Part 1 General Requirements	The Committee requested ELCOMA to review the Standard. ELCOMA agreed to the request. BIS, to provide a word copy of the documents to ELCOMA for assistance	-	The member secretary noted the request.

4.	IS 2418 (Part 3) : 1977 Tubular Fluorescent Lamps for General Lighting Service - Part 3 Dimensions of G-5 and G-13 Bi-Pin Caps	The committee formed a panel with following member to review and revise the Standard : a) Shri P K Mukherjee – Chairperson b) Members from ELCOMA	-	It was decided to take updates from Shri P K Mukherjee.
5.	IS 16102 (Part 1) : 2012 Self –Ballasted LED Lamps for General Lighting Services Part 1 Safety Requirements	The draft revision document is under process. The panel is working on the document	-	Shri Nitish Poonia, Signify said that panel has already done a lot of work on the revision of IS 16102 (Part 1 & 2) and IS 16103 (Part 1 & 2) and drafts have already been submitted to BIS.
6.	IS 16102 (Part 2) : 2017 Self – Ballasted LED Lamps for General Lighting Services Part 2 Performance Requirements	Draft document of IS 16102 (Part 2) was circulated among panel members via email dated 14 February 2023	ETD 23/P3 discussed the comments received from ELCOMA and Shri P K Mukherjee on revised draft of IS 16102 (Part 2) in its meeting held on 28/03/2023. The changes recommended by panel are placed at Annexure 3. The committee may consider.	Further, the committee requested Member Secretary to circulate all the revised drafts amongst committee members for review.
7.	IS 16103 (Part 1) : 2012 LED Modules for General Lighting Part 1 Safety Requirements	The draft revision document is under process. The panel is working on the document.	-	
8.	IS 16103 (Part 2) : 2012 LED modules for general lighting Part 2 Performance requirements	The draft revision document is under process. The panel is working on the document	-	
9.	IS 16614 (Part 1) Double-Capped LED Linear Lamps Part 1 Safety Requirements	Draft document of IS 16614 (Part 1) was circulated among panel members via email dated 14 February 2023.	ETD 23/P3 discussed the comments received from ELCOMA and Shri P K Mukherjee on revised draft of IS 16614 (Part 1) in its meeting held on 28/03/2023. The changes recommended by panel are placed at Annexure 3. The committee may consider.	The committee decided to issue an amendment to IS 16614 (Part 1) as recommended by the panel.

Item 4 OVERVIEW OF THE ACTIVITIES OF THE COMMITTEE

The committee noted the information.

Item 5 REVIEW/REAFFIRMATION OF INDIAN STANDARDS

5.1 The committee noted the information.

5.2 Review of Standards - Taking up Revision of pre-2000 standards

The committee noted the status of revision of pre-2000 standards. Please refer to Annexure 1 for discussion and decision taken against pre-2000 standards

Item 6 NEW SUBJECTS AND FUTURE PROGRAMME OF WORK

6.1 The committee noted the information.

Prof. Saswati Majumdar proposed to formulate Indian Standard on '**Fog Lights**'. Members were requested to examine the subject and suggest any specifications/International Standard available on the subject. The same will be taken up in the next ETD 23 meeting for further discussion.

6.2 New Work Item Proposals (NWIPs)

1. Lighting systems - Characteristics for selected outdoor applications

IEC DTR 63540 - This document provides information on outdoor lighting systems for selected applications. This document provides an overview of configuration, interfaces with other devices, communications, control strategies and characteristics of various outdoor lighting systems with relevant functionalities. Applications selected for inclusion are:

- outdoor parking area lighting;
- road and street lighting;
- pedestrian and cycle pathways lighting

The committee approved the subject for formulation of Indian Standard on the same. However, the committee suggested to take up the subject in ETD 49 sectional committee. The corresponding IEC will be wide circulated for seeking comments.

2. Organic light emitting diode (OLED) light sources for general lighting – Safety

IEC 62341-1-1:2009 is a generic specification for organic light emitting diode (OLED) displays. It defines general procedures for quality assessment to be used in the IECQ System and establishes general rules for methods of electrical and optical measurements, environmental and mechanical tests and endurance tests.

The committee members opined that OLED is mostly used in display, TV, mobile etc and not being used for general lighting application. Therefore, the subject may be taken up later for consideration.

Item 7 INTERNATIONAL ACTIVITIES

7.1 The committee noted the information.

Item 8 DATE AND PLACE OF NEXT MEETING

The committee noted the annual meeting calendar as follows:

Sectional Committee	Q1	Q2	Q3	Q4
ETD 23	18-04-2024	20/08/2024	24-10-2024	26/02/2025

Item 9 ANY OTHER BUSINESS

In view of no other business, the meeting ended with vote of thanks to chair.

ANNEX 1

Pre-2000 Standards

Decision Taken During the Last Meeting

SI No.	IS No.	Title	Status/Remarks	
1	IS 2418 (Part 3) : 1977 IEC 61-1	Specification for tubular fluorescent lamps for general lighting service: Part 3 dimensions of g - 5 and g - 13 bi - Pin caps (First Revision)	The committee formed a panel with following member to review and revise the Standard : a) Shri P K Mukherjee – Chairperson b) Members from ELCOMA	The committee decided to archive IS 2418 (Part 3) and as suggested by Chairperson, the standard will be reassessed in a year to gauge the market conditions and determine if a revision is necessary.
2	IS 8685 : 1977	Specification for aircraft lamps	The committee decided to send a reminder and request Shri Vidya Dutt, M/s Vardhman Airport Lighting to prepare draft revision document and inform the tentative timeframe for submission of the draft document.	The committee decided to send a reminder to Vardhman airports. It was also suggested to contact AAI for updates.
3	IS 8901 : 1978	Specification for lamps for aerodrome lighting fittings	The committee decided to send a reminder and request Shri Vidya Dutt, M/s Vardhman Airport Lighting to prepare draft revision document and inform the tentative timeframe for submission of the draft document.	The committee decided to send a reminder to Vardhman airports. It was also suggested to contact AAI for updates.
4	IS 8913 : 1978 IEC 360	Method of measurement of lamp cap temperature rise	The committee decided adopt the IEC Standard. Accordingly, the draft Standard to be wide circulated for comments.	The IEC will be wide circulated for seeking comments.
5	IS 9589 : 1980	Specification for electric lamps for railway signalling	The committee decided to request DDG (Standardization) to write a strong letter to Chief Engg of RDSO for their comments on the usage of this standard.	The BIS to write letter to RDSO for their comments on the usage of this standard.
6	IS 11472 (Part 1) : 1985	Specification for artificial daylight for the assessment of colour: Part 1 illuminant for colour matching and colour appraisal	Dr Saswati Mazumdar informed that she will inform the status after consulting the concerned professors. The Committee decided to send a reminder email.	It was decided to write again to Dr Saswati Majumdar for updates.

7	IS 11472 (Part 2) : 1985	Specification for artificial daylight for the assessment of colour: Part 2 viewing conditions for graphic arts industry	Dr Saswati Mazumdar informed that she will inform the status after consulting the concerned professors. The Committee decided to send a reminder email.	It was decided to write again to Dr Saswati Majumdar for updates.
8	IS 11980 : 1987	Specification for lamp (Bulb) for cycle dynamo	The committee requested Shri Vineet K. Rohatgi to review the Standard and submit the findings to the Committee.	The committee decided to withdraw the standard in view of obsolete technology.
9	IS 897 : 1982	Specification for tungsten filament electric lamps for railway rolling stock (Second Revision)	The committee decided to request DDG (Standardization) to write a strong letter to Chief Engg of RDSO for their comments on the usage of this standard.	The BIS to write letter to RDSO for their comments on the usage of this standard.
10	IS 12290 : 1987	Specification for isolating transformers for airport lighting systems	The committee decided to send a reminder and request Shri Vidya Dutt, M/s Vardhman Airport Lighting to prepare draft revision document and inform the tentative timeframe for submission of the draft document.	The committee decided to send a reminder to Vardhman airports. It was also suggested to contact AAI for updates.
11	IS 12291 : 1987	Specification for constant current regulators for airport lighting systems	The committee decided to send a reminder and request Shri Vidya Dutt, M/s Vardhman Airport Lighting to prepare draft revision document and inform the tentative timeframe for submission of the draft document.	The committee decided to send a reminder to Vardhman airports. It was also suggested to contact AAI for updates.
12	IS 2418 (Part 4) : 1977 IEC-3	Specification for tubular fluorescent lamps for general lighting service: Part 4 go and no - Go gauges for g - 5 and g - 13 bi-pin caps (First Revision)	The committee decided that the panel formed above in Sr no 1 will review the Standard.	The committee decided to archive IS 2418 (Part 4) and as suggested by Chairperson, the standard will be reassessed in a year to gauge the market conditions and determine if a revision is necessary.
13	IS 9206 : 1979 IEC 60061-1	Dimensions of caps for tungsten filament general service electric lamps	The committee decided that the panel formed above in Sr no 1 will review the Standard.	The committee decided to archive IS 9206 and as suggested by Chairperson, the standard will be reassessed in a year to gauge the market conditions and determine if a revision is necessary.
14	IS 13021(Part 2): 1991	AC supplied electronic ballasts for tubular fluorescent lamps - Specification: Part 2 performance requirements	The committee finalized the revised draft document for wide circulation.	-

