BUREAU OF INDIAN STANDARDS AGENDA

Name of the Committee	No. of Meeting	Day	Date	Time	Venue
Power Capacitors Sectional Committee, ETD 29	24 th	Friday	06-12-2024	10: 30 h	Central Power Research Institute, Bengaluru

Chairman: Dr T Bhavani Shanker Member Secretary: Shri Nitish Kr Jain

Item 0 GENERAL

0.1 WELCOME AND OPENING REMARKS BY THE CHAIRMAN

Item 1 CONFIRMATION OF THE MINUTES OF THE LAST MEETING

1.1 The minutes of the last meeting (23rd meeting) of Power Capacitors Sectional Committee ETD 29 held Online on 27-06-2024, were circulated vide BISDG letter No. ETD 29/A-2.23 dated 10-07-2024.

No comments have been received.

The Committee may formally confirm the minutes.

Item 2 COMPOSITION OF POWER CAPACITORS SECTIONAL COMMITTEE, ETD 29

- 2.1 The present composition and attendance of previous 2 meetings are given in Annex 1.
- 2.2 Cooption request accepted by IIT Ropar. 1) Prof. C C Reddy and 2) Prof. Rohit Sharma

Item 3 OVERVIEW OF THE ACTIVITIES OF THE COMMITTEE

3.1 The present position of work under Power Capacitors Sectional Committee ETD 29 is given below:

SI. No.	Item No. of Last Minutes	ITEM	Decision Taken in Last meeting	Action Taken/ Required	
1.	3.1.3	IS 11548: 1986 Specification For Capacitors For Surge Protection For Use In Voltage System Above 650 V and upto 33 KV EPCOS submitted a report of proposed changes in the standard.	The committee requested Shri Sachin to share the draft at the earliest making necessary changes as suggested during the meeting and send the draft document to BIS for circulation as P-draft.		
2.	3.1.7	IS 13666 : 1993, Energy Storage Capacitors - Specification	,	Draft document awaited.	

3.2 The program of work under Power Capacitors Sectional Committee, ETD 29 is placed at Annex 2.

Item 4 REVIEW OF INDIAN STANDARDS FOR REVISION/ REAFFIRMATION

4.1 As per the guidelines, published Indian Standards should be reviewed after every five years. If no revision is called for, standard(s) may be re-affirmed. Reaffirmation of the standards(s), however, does not prevent from these standard(s) being taken up for revision.

No standards are due for review.

The committee may note.

4.2 Panel/ Working Groups to be created to strengthen the work of the committee

c t	SACTORS	Working Panels/Working Groups Panel 1 (Composition to be created)	'	Indigenous	1.	Adopted IS/IEC 60143-	Modified
c t	capacitor banks and protective	(Composition to			1.	IS/IFC 60143-	
<u> </u>	Power	Panel 2	1.	IS 13666 :	 2. 3. 4. 5. 	1:2015 IS/IEC 60143- 2:2012 IS/IEC 60143- 3:2015 IS/IEC 60143- 4:2010 IS 9835 (Part 2):2021 IS/IEC 61071	
ϵ	electronics capacitors	(Composition to be created)	•	1993	١.	: 2017	
	Shunt power capacitors for AC systems				5.6.7.	(Part 3): 2013 IS 13925 (Part 1): 2012 IS 13925 (Part 2): 2002 IS 13925 (Part 3): 2002	

Coupling capacitors and capacitor dividers	Panel 4 (Composition to be created)	1. IS 11548 : 1986	1. IS/IEC 60358- 1:2012 2. IS/IEC 60358- 2:2013 3. IS/IEC 62146- 1:2013 4. IS/IEC 62146- 2:2023	
Special applications	Panel 5 (Composition to be created)	1. IS 16636 : 2017	1. IS 15395: 1. 2003 199 2. IS 15406 (Part 1): 2003 3. IS/IEC 60110-1: 1998 4. IS/IEC/TS 60110-2: 2000 5.	IS 13203 : 91
AC motor capacitors	Panel 6 (Composition to be created)		1. IS 2993 (Part 1): 2024 2. IS 2993 (Part 2): 2024	

Item 5 INTERNATIONAL ACTIVITIES

- **5.1** India is a 'P' member of IEC TC 33. The publications issued and position of work of IEC/TC 33 can be accessed with the hyperlink:
 - WORK PROGRAMME IEC TC 33
 - PUBLICATIONS IEC TC 33
- **5.2** As a 'P' member of above IEC/TC 33, India has an obligation to send voting on IEC drafts and comments wherever necessary. The details of voting/comments sent since the last meeting of ETD 29 is given in Annex 3.

The committee may note.

5.3 All IEC ballots are uploaded on BIS IR portal which can be accessed through your login id and password.

Login to BIS portal -> Select International Relations Portal (wait for it to login, it will automatically log in) -> Go to ballots -> Select ballot you wish to review-> Submit your comments/responses on the portal itself.

Kindly note that all future IEC ballot circulations shall only be through this portal and not through email and all comments are to be submitted on IR portal only.

5.4 Review of Nominated Experts in IEC TC 33

SI No.	Experts	WG/MT/PT
1.	Mr Vaibhav Raghunath Kulkarni Mr T Bhavani Shanker	MT 13 Series capacitor banks and protective equipment
2.	Mr T Bhavani Shanker Mr V Vaidhyanathan	MT 18 Power electronics capacitors
3.	Mr Sachin Gogate Mr Vishal Jagdale	MT 19 Shunt power capacitors for AC systems having a rated voltage above 1000 V

SI No.	Experts	WG/MT/PT
	Mr Vaibhav Raghunath	
	Kulkarni	
	Mr T Bhavani Shanker	
	Mr Vijayakumar Shrikant	
	Mr V Vaidhyanathan	
4.	Mr V Vaidhyanathan	MT 20 Coupling capacitors and capacitor dividers
5.	Mr Ashok Kumar Duggal	MT 21 Shunt power capacitors for AC systems having a rated voltage up to
	Mr Ravindra Kulkarni	and including 1000 V
	Mr T Bhavani Shanker	
	Mr V Vaidhyanathan	
6.	Mr T Bhavani Shanker	MT 24 Special applications
7.	Mr Ashok Kumar Duggal	MT 25 AC motor capacitors
	Mr V Vaidhyanathan	
8.	Mr V Vaidhyanathan	JMT 17A (TC 33 - SC 17A) - Grading capacitors linked to SC 17A

5.5 The next meeting of IEC TC 33 is scheduled to be held on 03/09/2025 to 04-09-2025 at Switzerland (Rossens).

Item 6 ACTIONS ARISING OUT OF PREVIOUS MEETING

SI. No.	Item No. of last minutes	Item	Status
1.	3.2.1	ETD/29/16618 Revision of IS 2993: 1998(Identical To: 60252-1:2013) (Superseding IS 1709:1984) a.c. Motor Capacitors Part 1 General - Performance, Testing and Rating - Safety Requirements - Guidance for Installation and Operation (Third Revision)	Published as IS 2993 (Part 1): 2024
2.		ETD/29/26603 Amendment 1 to IS 2993 (Part 1): 2024	Published as Amendment No. 1 IS 2993 (Part 1): 2024
3.	3.2.2	ETD/29/16619 Revision of IS 2993: 1998(Identical To: 60252-2:2013) (Superseding IS 1709:1984) a.c. Motor Capacitors Part 2 Motor Start Capacitors (Third Revision)	Published as IS 2993 (Part 2): 2024
4.		ETD/29/26604 Amendment 1 to IS 2993 (Part 2): 2024	Published as Amendment No. 1 IS 2993 (Part 2): 2024
5.	3.2.3	ETD/29/24351 Revision of IS 13340: PART 1: 2012(Identical To: IEC 60831-1: 2014) Shunt power capacitors of the self-healing type for ac systems having a rated voltage up to and including 1 000 V Part 1: General- Performance testing and rating - Safety requirements-Guide for installation and operation (Second Revision)	Published as IS 13340 (Part 1): 2024
6.	3.2.4	ETD/29/24352 Revision of IS 13340: Part 2: 2012(Identical To: IEC 60831-2: 2014) Shunt power capacitors of the self-healing type for ac systems having a rated voltage up to and including 1 000 V Part 2: Ageing test self-healing test and destruction test (First Revision)	Published as IS 13340 (Part 2): 2024

7.	3.2.5	ETD/29/21900	Published as IS/IEC
		(Identical To: IEC 62146-1: 2013 + AMD 1: 2016)	62146-1 : 2013
		(Superseding IS 11530: 1985)	
		Grading capacitors for high-voltage alternating current circuit-	
		breakers Part 1: General	
8.	3.2.6	ETD/29/24406 (Identical To: IEC 62146- 2:2023)	Published as IS/IEC
		Capacitors for high voltage alternating current circuit breakers	62146-2 : 2023
		Part 2: TRV capacitors	
9.	3.2.7	ETD/29/24403	Published as IS/IEC
		(Identical To: IEC 60143-2:2012+AMD1:2021)	60143-2 : 2012
		(Superseding IS 9835 Part 2:2021)	
		Series Capacitors for Power Systems Part 2: Protective	
		Equipment for Series Capacitor Banks	

ITEM 7 ENGAGEMENT OF YOUNG PROFESSIONALS

7.1 Manak Pravardhak programme, which is a comprehensive programme for engagement of Young Professionals in BIS's standardization work. The programme broadly cover topics such as Basics of standardization, BIS's R&D Projects, Optimizing ISO/IEC level participation, Transition to Smart Standard, Proposing New Work Items, etc.

The following activities are also intended to be undertaken for the YP's:

- Providing the opportunity to participate as observers in BIS's Technical meetings deemed relevant to the YPs.
- Encouraging YPs to comment on draft Indian Standards,
- Encouraging YPs to take up Action Research or R&D Projects,
- Invitation to events of national importance organized by BIS

It is intended to include them as experts in BIS's standard formulation work and encourage them to participate in national and international standardization activity. Nominations may kindly be shared as per the format below:

The eligibility criteria for the participants are as follows:

- Aged below 35 years,
- Employed by a business, industry which is represented on Technical Committee(s) of BIS, the nominated participant preferably not being the member of the BIS Technical Committee(s).
- Availability for the entire 2 days of the workshop

SI	Name	Organization	Designation	Date	Email	Mobile	BIS	Technical	Remarks
No.				of Birth	Address	No	Technical Committee(s) where the parent organization of the candidate is a member	Department	(If any)
1									

Item 8 INFORMATION ON e-SALE OF STANDARDS BY BIS

Bureau of Indian Standards, the National Standards Body of India has published more than 22000 Indian Standards which are available for sale. They are available for e-sale as under:

Softcopy can be downloaded from BIS sales portal http://www.standardsbis.in.

Item 9 NATIONAL INSTITUTE FOR TRAINING IN STANDARDISATION (NITS)

National Institute of Training for Standardization (NITS) has been set up by BIS with world class facilities to impart training on various aspects leading to standardization, quality and other management systems, consumer protection, public service delivery, etc.

The training calendar for the current year is available on BIS web site http://www.bis.gov.in.

The organizations willing to depute their personnel for training may kindly go through the appropriate programme and get them registered to undergoing training.

Item 10 DATE AND PLACE FOR THE NEXT MEETING

Item 11 ANY OTHER BUSINESS