### **BUREAU OF INDIAN STANDARDS**

### **Program of Work**

#### **ETD 16: Transformers**

Scope: To prepare standards on power and distribution transformers, reactors, onload tap changers,

etc, without limitation on voltage or power. Transformer accessories and voltage stablizers, testing transformers and furnace transformers are included. (Instrument transformers, welding

transformers and traction transformers are excluded)

Liaison: **IEC TC-14 (P):** Power transformers **IEC TC-96 (P):** Transformers, reactors, power supply

units, and combinations thereof

#### **Published Standards**

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10028 (Part 1):	Code of practice for selection,	July, 2021	-	Indigenous
	1985	installation and maintenance of	of		
	Reviewed In: 2021	transformers: Part 1 selection			
2	IS 10028 (Part 2):	Code of practice for selection,	July, 2021	-	Indigenous
	1981	installation and maintenance of			
	Reviewed In: 2021	transformers: Part 2 installation			
3	IS 10028 (Part 3):	Code of practice for selection,	July, 2018	1	Indigenous
	1981	installation and maintenance of			
	Reviewed In: 2018	transformers: Part 3 maintenance			
4	IS 10161 : 1982	Specification for moving coil	July, 2021	-	Indigenous
	Reviewed In: 2021	voltage regulators			
5	IS 1180 (Part 1):	Outdoor Type Oil Immersed		4	Indigenous
	2014	Distribution Transformers Upto			
	Reviewed In: 2019	and Including 2 500 kVA, 33kV -			
		Specification Part 1 Mineral Oil			
		Immersed (Fourth Revision)			
6	IS 1180 (Part 3):	Outdoor/Indoor Type Liquid		-	Indigenous
	2021	Immersed Distribution			
		Transformers Up to and Including			
		2 500 kVA, 33 kV — Specification			
		Part 3 Natural/Synthetic Organic			
		Ester Liquid Immersed			
7	IS 12977 : 1990	Arc furnace transformers	November, 2019	-	Indigenous
	Reviewed In: 2019	specification			
8	IS 13956 : 1994	Testing transformers -	November, 2019	-	Indigenous
	Reviewed In: 2019	Specification			
9	IS 18284 : 2023	REPAIR OF DISTRIBUTION		- Indigenous	
		TRANSFORMERS - CODE OF			
		PRACTICE			
10	IS 18444 (Part TRANSFORMERS PART 57			-	Modified/Technically
	57/Sec 1202): 2024	POWER TRANSFORMERS			Equivalent
	60076-57-1202 :	SECTION 1202 LIQUID			
	2017	IMMERSED PHASE SHIFTING			
		TRANSFORMERS (IEC/IEEE			
I				1	

11   IS 18444 (Part   57/8ec 129): 2024   Transformers Section 129   Co076-57-129: 2017   Applications (IEC/IEEE   Co076-57-129: 2017, MOD)   Transformers for HVDC   Applications (IEC/IEEE   Co076-57-129: 2017, MOD)   Transformers for HVDC   Applications (IEC/IEEE   Co076-57-129: 2017, MOD)   Transformers for HVDC   Applications (IEC/IEEE   Co076-57-129: 2017, MOD)   Transformers   Transform				60076-57-1202 : 2017, MOD)		1	1
S7/Sec 129): 2024   Transformers For IVDC   Applications (IEC/IEEE   60076-57-129:   2017   Transformers For IVDC   Applications (IEC/IEEE   60076-57-129: 2017, MODI   120	4 (Part	11	IS 18444 (Part			_	Modified/Technically
12   15   18445   2024   Guide for the Applications (EC/HEE G0076-57-129 : 2017, MOD)			,				Equivalent
2017			·				_4
12   18   18   14   15   2024   Calida for the Application, Gaude for the Application, Gaude for the Application, Specification and Testing of Phase Shifting Transformers: Part 1 general (Second Revision)   Specification and Testing of Phase Shifting Transformers: Part 1 general (Second Revision)   Second Revision (Second Revision)   Second Revision (Part 2):							
12   IS 18445 : 2024   Specification and Testing of Phase-Shifting Transformers   Specification and Testing of Phase-Shifting Transformers   Part 1 general   Second Revision   Second Revisio	. ,		2017				
62032 : 2012   Specification and Testing of Phase-Shifting Transformers   Equiverance   Shifting Transformers   Part 1 general   (Second Revision)   Reviewed In : 2021   EC 60076-1 : 2000     EC 60076-1 : 2000	5 · 2024	12	IS 18445 · 2024			_	Modified/Technically
Soliting Transformers   Part 1 general   November, 2021   1   Modified/Ti		12					Equivalent
13   18 2026 (Part 1) :   2011   (Second Revision)   Reviewed In : 2021   (Second Revision)   Reviewed In : 2020   (Second Revision)   Reviewed In : 2021   (Second Revision)   Reviewed In : 2021   (Second Revision)   (Fourth Revision)   (Fourth Revision)   (Fourth Revision)   (Fourth Revision)   (First Revision)	. 2012		02032 . 2012				Equivalent
Reviewed In : 2020   Power transformers: Part 2   Eco076-1: 2000   Power transformers: Part 2   Eco076-2: 1993   Power transformers: Part 3   Eco076-3: 2000   Reviewed In : 2023   Power transformers: Part 3   Risco (Foot76-3: 2000   Reviewed In : 2023   Power transformers: Part 3   Risco (Foot76-3: 2000   Reviewed In : 2023   Power transformers: Part 3   Risco (Foot76-3: 2000   Reviewed In : 2023   Power transformers: Part 4   Risco (Foot76-3: 2000   Reviewed In : 2021   Reviewed In : 2020   Reviewed In :	Part 1) ·	13	IS 2026 (Part 1) ·		November 2021	1	Modified/Technically
Reviewed In : 2021		13			November, 2021	1	•
IEC 60076-1 : 2000				(Second Revision)			Equivalent
14							
Exercised In : 2020   IEC 60076-2: 1993   Power transformers: Part 3   Identical un number   IEC 60076-3: 2000   Reviewed In : 2021   IEC 60076-3: 2000   Reviewed In : 2021   IEC 60076-3: 2000   IEC 60076-3: 2007   IEC 60076-3: 2009   IEC 60076-3: 2000   IEC 60076-10: 2000		1.4		Dower transformers, Part 2	March 2020		Modified/Technically
Reviewed In: 2020   EC 60076-2: 1993		14	· · · · · · · · · · · · · · · · · · ·		Maich, 2020	-	•
IEC 60076-2 : 1993   Power transformers: Part 3   Is 2026 (Part 3) : 2018   IEC 60076-3 : 2000   Reviewed In : 2023   IEC 60076-3 : 2000   Reviewed In : 2021   IEC 60076-8 : 1907   IEC 60076-8 : 2006   Power transformers: Part 4 terminal markings, tappings and connections   First Revision   IEC 6008-3 : 2006   Power transformers: Part 5 ability to with stand short circuit (First Revision)   IEC 60076-6 : 2006   Power transformers: Part 6 reactors   Power transformers: Part 8   application guide   IEC 60076-6 : 2007   IEC 60076-7 : 2005   Power transformers: Part 8   application guide   IEC 60076-8 : 1997   IEC 60076-8 : 1997   Power transformers: Part 10   determination of sound levels   IEC 60076-10 : 2001   I				temperature - Rise (First Revision)			Equivalent
15   18   2026 (Part 3) : 2018   Power transformers: Part 3 insulation levels, dielectric tests and external clearances in air (Fourth Revision)   12   18   2026 (Part 4) : 1977   18C 60076-3:2000   18   2026 (Part 5) : 2011   Reviewed In : 2021   18   2026 (Part 5) : 2011   Reviewed In : 2016   18   2026 (Part 5) : 2011   18   2026 (Part 5) : 2011   18   2026 (Part 6) : 2007   60076-5 : 2006   2007   60076-6 : 2007   60076-6 : 2007   60076-7   Reviewed In : 2019   18   2026 (Part 7) : 2019   18   2026 (Part 7) : 2009   18   2026 (Part 8) : 2009   18   2026 (Part 10) : 2009   2020							
2018   IEC 60076-3: 2000   Reviewed In : 2023   IEC 60076-3: 2013   IEC 60076-3: 2013   IEC 60076-3: 2013   IEC 60076-3: 2013   IEC 60076   Reviewed In : 2021   IEC 60086-3: 2000   IEC 60076-5: 2006   IEC 60076-6: 2007   IEC 60076-6: 2007   IEC 60076-7: 2005   IEC 60076-8   Reviewed In : 2019   IEC 60076-10: 2009   IEC 60076-10: 2009		1.5		Development Development	M 2022	1	Identical and and and
IEC 60076-3 : 2000   Reviewed In : 2023   EC 60076-3 : 2013   Specification for power transformers: Part 4 terminal markings, tappings and connections (First Revision)   Power transformers: Part 5 ability to with stand short circuit (First Revision)   EC 60076-5 : 2006		13	· · · · · · · · · · · · · · · · · · ·		May, 2023		Identical under dual
Reviewed In : 2023   (Fourth Revision)				· ·			numbering
IEC 60076-3:2013   S 2026 (Part 4):   Specification for power transformers: Part 4 terminal markings, tappings and connections (First Revision)   IEC 60076-8   Reviewed In : 2011   IEC 60076-5 : 2000   IEC 60076-7   Reviewed In : 2017   IEC 60076-7   Reviewed In : 2019   IEC 60076-7   Reviewed In : 2019   IEC 60076-8   Reviewed In : 2019   IEC 60076-10   Reviewed In : 2020   IEC 60076-10   IEC 60076-10							
18				(Fourth Revision)			
1977		1.0		Constitution of	N 1 2021	2	T4
IEC 60076   Reviewed In : 2012   IEC 60076-10   Reviewed In : 2019   IEC 60076-10   IEC 60076-10-1   2019   IEC 60076-10   IEC 60076-10-1   2019   IEC 60076-10-1   2019   IEC 60076-10-1   2016   Reviewed In : 2023   IEC 60076-10-1   2016   IEC 60076-		16	, ,		November, 2021	$\frac{2}{1}$	Identical under dual
Reviewed In : 2021   IEC 60086-3:2000   IEC 60076-10   Power transformers: Part 5 ability to with stand short circuit (First Revision)   December, 2016   - Modified/To Equivalent							numbering
IEC 60086-3:2000   Power transformers: Part 5 ability to with stand short circuit (First Reviewed In : 2016   IEC 60076-5 : 2006   Power transformers: Part 6 reactors				0 11 0			
17				(First Revision)			
2011   Reviewed In : 2016   IEC 60076-1   2009   IEC 60076-1   2009   IEC 60076-1   2009   IEC 60076-8 : 1997   21   IS 2026 (Part 10) : 2009   IEC 60076-10   Reviewed In : 2019   IEC 60076-10 : 2001   IEC 60076-10 : 2							
Reviewed In : 2016   IEC 60076-5 : 2006		17			December, 2016	-	Modified/Technically
IEC 60076-5 : 2006				· ·			Equivalent
18				Revision)			
1							
IEC 60076-6 : 2007   60076-6 : 2007   60076-6 : 2007   19   IS 2026 (Part 7) : 2009   IEC 60076-7   Reviewed In : 2019   IEC 60076-7   2005   2009   IEC 60076-8   Reviewed In : 2019   IEC 60076-8   Reviewed In : 2019   IEC 60076-10   2009   IEC 60076-10 : 2001   IEC 60076-10 : 2019   IEC 60076-10 : 2016   Reviewed In : 2023   Power Transformers Part 10   Determination of Sound Levels   Section 1 Application guide   Section 1 Application guide   Determination of Sound Levels   Section 1 Application guide   S		18		Power transformers: Part 6 reactors		-	Identical under dual
19							numbering
19							
2009   guide for oil - Immersed power transformers							
IEC 60076-7   Reviewed In : 2019   IEC 60076-7 : 2005		19		-	March, 2019	-	Identical under dual
Reviewed In : 2019   IEC 60076-7 : 2005				= =			numbering
IEC 60076-7 : 2005				transformers			
20   IS 2026 (Part 8) : 2009   EEC 60076-8   Reviewed In : 2019   IEC 60076-8   1997   21   IS 2026 (Part 10) : 2009   IEC 60076-10 : 2001   IEC 60076-10 : 2018   IEC 60076-10-1 : 2016   Reviewed In : 2023   Section 1 Application guide   Sectio							
2009   application guide   number							
IEC 60076-8   Reviewed In : 2019   IEC 60076-8 : 1997		20	, ,		March, 2019	-	Identical under dual
Reviewed In : 2019   IEC 60076-8 : 1997				application guide			numbering
IEC 60076-8 : 1997							
21   IS 2026 (Part 10) : 2009   Determination of sound levels   Determination of Sound levels   Section 1 Application guide   Determination of Sound Levels   Section 1 Application guide   Section 1 Application guide   Determination of Sound Levels   Section 1 Application guide   Section 1 Application gu							
2009   determination of sound levels   number							
IEC 60076-10   Reviewed In : 2019     IEC 60076-10 : 2001     22   IS 2026 (Part 10/Sec   Power Transformers Part 10   Determination of Sound Levels   IEC 60076 -10-1 : 2016   Reviewed In : 2023   Section 1 Application guide   Reviewed In : 2023   Section 1 Application guide   Section 1 Application guid		21	` ′		March, 2019	-	Identical under dual
Reviewed In : 2019				determination of sound levels			numbering
IEC 60076-10 : 2001							
22 IS 2026 (Part 10/Sec 1): 2018 Determination of Sound Levels IEC 60076 -10-1: 2016 Reviewed In: 2023 Power Transformers Part 10 Determination of Sound Levels Section 1 Application guide							
1): 2018 IEC 60076 -10-1: 2016 Reviewed In: 2023 Determination of Sound Levels Section 1 Application guide							
IEC 60076 -10-1: Section 1 Application guide 2016 Reviewed In: 2023		22	,		March, 2023		Identical under single
2016 Reviewed In : 2023			, , , , , , , , , , , , , , , , , , ,				numbering
Reviewed In: 2023				Section 1 Application guide			
IEC							
1							
60076-10-1:2016							
		23	, ,	•		-	Identical under dual
2021 Type Transformers number	21		2021	Type Transformers			numbering

1	IEC 60076-11 : 2018	1 1		1	1
	IEC 60076-11 : 2018				
	2018				
24	IS 2026 (Part 12):	Power transformers: Part 12	March, 2023	_	Identical under dual
-	` '	loading guide for dry - Type power	11111111, 2025		numbering
	IEC 60076-12 : 2008				
	Reviewed In: 2023				
	IEC 60076-12:2008				
25	IS 2026 (Part 14):	Power transformers: Part 14 liquid	March, 2023	-	Identical under dual
	2018	- Immersed power transformers			numbering
		using high - Temperature insulation			
	Reviewed In: 2023	materials			
L	IEC 60076-14:2013				
26	IS 2026 (Part 15):	Power transformers: Part 15 gas -	March, 2023	-	Identical under dual
	2018	Filled power transformers			numbering
	IEC 60076-15 : 2015				
	Reviewed In: 2023 IEC 60076-15:2015				
27	IS 2026 (Part 16):	Power transformers: Part 16			Identical under dual
-	2023 (Part 10) .	transformers for wind turbine		_	numbering
	60076-16 : 2018	applications			numbering
	60076-16 : 2018	аррисшоно			
28	IS 2026 (Part 18):	Power transformers: Part 18		-	Identical under dual
	2018	measurement of frequency			numbering
	IEC 60076-18 : 2012				
	IEC 60076-18:2012	=			
29	IS 2026 (Part 19):	Power Transformers Part 19 Rules		-	Identical under dual
	2018	for the Determination of			numbering
		Uncertainties in the Measurement			
	IEC 60076-19:2013				
		Transformers and Reactors			
30	IS 2026 (Part 21):	Power transformers: Part 21		-	Identical under dual
		standard requirements, terminology			numbering
	IEC 60076-21 : 2011	1 0			
31	IEC 60076-21:2011 IS 3639 : 1966	regulators Specification for fittings and	July, 2021		Indigenous
31		accessories for power transformers	July, 2021	_	margenous
32	IS 5142 : 1969	Specification for continuously	July, 2021	2	Indigenous
32	Reviewed In: 2021	variable voltage auto -	July, 2021		margenous
	Reaffirmed but not	Transformers			
	taken up for revision				
	1				
33	IS/IEC 60076-4:	Power Transformers Part 4 Guide		-	Identical under single
	2002	to the Lightning Impulse and			numbering
	60076-4 : 2002	Switching Impulse Testing �			
	60076-4 : 2002	Power Transformers and Reactors			
34	IS/IEC 61558-1:	Safety of Transformers, Reactors,		-	Identical under single
	2017	Power Supply Units and			numbering
	61558-1	Combinations Thereof Part 1			
	61558-1	General Requirements and Tests ( First Revision )			
35	IS/IEC 61558-2-4) :	Safety of Transformers, Reactors,		<del> </del>	Identical under single
	2021	Power Supply Units and		<u> </u>	numbering
	61558-2-4	Combinations Thereof Part 2			numbering
	61558-2-4	Particular Requirements and Tests			
		for Safety Isolating Transformers			
		and Power Supply Units			
		Incorporating Section 4 Isolating			
		Transformers for General			
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1	Ī	1		1	1
26	10/IEC (1550 2 ()	Applications			T1 4' 1 1 ' 1
36	IS/IEC 61558-2-6):	Safety of Transformers, Reactors,		-	Identical under single
	2021 61558-2-6	Power Supply Units and			numbering
		Combinations Thereof Part 2			
	61558-2-6	Particular Requirements and Tests			
		for Safety Isolating Transformers			
		and Power Supply Units			
		Incorporating Section 6 Safety Isolating Transformers for General			
		· ·			
37	IS/IEC 61558-2-7 :	Applications Safety of power transformers,	August, 2021		Identical under single
31	2007	power supplies reactors and similar	August, 2021	-	numbering
	IEC 61558_2_7	products: Part 2 - 7 particular			numbering
	Reviewed In : 2021	requirements and tests for			
	IEC 61558-2-7:	transformers and power supplies			
	2007	for toys			
38	IS 8447 : 1989	Manually operated voltage	April, 2018	1	Indigenous
	Reviewed In: 2018	regulators for domestic use -	прин, 2010	1	margenous
	Reaffirmed but not	Specification (First Revision)			
	taken up for revision	=			
	tanen ap for fortision				
39	IS 8448 : 1989	Automatic line voltage correctors	March, 2019	2	Indigenous
	Reviewed In: 2019	(Step Type) for domestic use -			
		Specification (First Revision)			
40	IS 8468 (Part 1):	Tap - Changers Part 1 Performance		-	Identical under dual
	2018	Requirements and Test Methods			numbering
	IEC 60214-1:2014	(First Revision)			
	IEC 60214-1:2014				
41		Application guide for on - Load tap	July, 2021	-	Modified/Technically
	Reviewed In: 2021	- Changers			Equivalent
	IEC DOC: 14				
	(Central Office) 9				
42	IS 9147 : 1979	Specification for cable sealing	July, 2021	-	Modified/Technically
	Reviewed In: 2021	boxes for oil - Immersed			Equivalent
	BS: 2562	transformers suitable for paper -			
		Insulated lead sheathed cables for			
		highest system voltages from 12			
<u></u>	77.0017 =	kV up to and including 36 kV			
43	IS 9815 (Part 1):	Servo - Motor operated automatic	November, 2019	-	Indigenous
	1994	line voltage correctors: Part 1			
	Reviewed In: 2019	correctors for single - Phase			
		applications - Specification			
		(Second Revision)			

# **Standards under Development**

Projects Approved					
SI. No.	SI. No. Doc No. Title				
No Records Found					

Preliminary Draft Standards					
SI. No.	Doc No.	Title			
No Records Found					

# Drafts Standards in WC Stage

SI. No.	Doc No.	Title			
No Records Found					

Draft Standards Completed WC Stage					
SI. No.	Doc No.	Title			
1	ETD 16 (23039)	Onsite diagnostic testing of power transformers for condition health assessment			

	Finalized Draft Indian Standard					
SI. No.	Doc No.	Title				
1	ETD 16 (23880) Revision	Power transformers Part 10 determination of sound levels				
	of: IS 2026:2009					
2	ETD 16 (24319) Revision	SPECIFICATION FOR MOVING COIL VOLTAGE REGULATORS				
	of: IS 10161:1982					

Finalized Draft Indian Standards under Print				
SI. No.	Doc No.	Title		
1	ETD 16 (24249) Revision	SERVO-MOTOR OPERATED AUTOMATIC LINE VOLTAGE CORRECTORS PART 1		
	of: IS 9815:1994	CORRECTORS FOR SINGLE-PHASE APPLICATIONS - SPECIFICATION		

Total Published Standards:39 Total Standards Under development:4

## **Aspect Wise Report**

Product: 24
Code of Practices: 11
Methods of Test: 6
Terminology: 0
Dimensions: 1
System Standard: 0
Safety Standard: 1
Others: 0

Service Specification: 0 Process Specification: 0 Unclassified: 0

## Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 10561 : 1983	Application guide for power transformers
	IEC 606 91978)	
	Reviewed In: 2011	
2	IS 11171 : 1985	Specification for dry - Type power transformers
	IEC 60727	
	Reviewed In: 2016 IEC	
	60726 : 1982	
3	IS 1180 (Part 2): 1989	Outdoor Type Three-phase Distribution Transformers Up To And Including 100 Kva 11 Kv part 2
	Reviewed In: 2008	Sealed Type
4	IS 13964 : 1994	Methods of measurement of transformer and reactor sound levels
	IEC 551	
	Reviewed In: 2019 IEC	
	60551 ( 1976 )	
5	IS 1496 : 1959	Transformers used in vibrator power supplies
6	IS 1886 : 1961	Code of practice for installation and maintenance of transformers

7	IS 3151: 1982	Earthing transformers
	IEC 60289	
	Reviewed In: 2016	
8	IS 5553 (Part 1): 1989	Reactors - Part 1 General
	IEC 60289	
	Reviewed In: 2013	
9	IS 5553 (Part 2): 1990	Reactors Part 2 Shunt reactors
	IEC 60289	
	Reviewed In: 2013	
10	IS 5553 (Part 3): 1990	Reactors Part 3 Current limiting reactors and neutral earthing reactors
	IEC 60289	
	Reviewed In: 2013	
11	IS 5553 (Part 4): 1989	Reactors Part 4 Damping reactors
	IEC 60289	
	Reviewed In: 2014	
12	IS 5553 (Part 5): 1989	Reactors Part 5 Tuning reactors
	IEC 60289	
	Reviewed In: 2014	
13	IS 5553 (Part 6): 1990	Reactors Part 6 Earthing transformers Neutral couplers
	IEC 60289	
	Reviewed In: 2016	
14	IS 5553 (Part 7): 1990	Reactors Part 7 Arc supression reactors
	IEC 60289	
	Reviewed In: 2014	
15	IS 5553 (Part 8): 1990	Reactors Part 8 Smoothing reactors
	IEC 60289	
	Reviewed In: 2014	
16	IS 6600 : 1972	Guide for loading of oil immersed transformers
	Reviewed In: 2011	
17	IS 8468 : 1977	On-load Tap Changers
	Reviewed In: 2016 IEc	
	60214 : 1966	

## **Annexure-II :List of Indian Product Standards**

SI. No.	IS No. & Year	Title
1	IS 10161 : 1982	Specification for moving coil voltage regulators
	Reviewed In: 2021	
2	IS 1180 (Part 1): 2014	Outdoor Type Oil Immersed Distribution Transformers Upto and Including 2 500 kVA 33kV -
	Reviewed In: 2019	Specification Part 1 Mineral Oil Immersed Fourth Revision
3	IS 1180 (Part 3): 2021	Outdoor Indoor Type Liquid Immersed Distribution Transformers Up to and Including 2 500 kVA
	IEC 60580:2019	33 kV Specification Part 3 Natural Synthetic Organic Ester Liquid Immersed
4	IS 12977 : 1990	Arc furnace transformers specification
	Reviewed In: 2019	
5	IS 13956 : 1994	Testing transformers - Specification
	Reviewed In: 2019	
6	IS 18444 (Part 57/Sec	TRANSFORMERS PART 57 POWER TRANSFORMERS SECTION 1202 LIQUID
	1202) : 2024	IMMERSED PHASE SHIFTING TRANSFORMERS IEC IEEE 60076-57-1202 2017 MOD
7	IS 18444 (Part 57/Sec 129)	Transformers Part 57 Power Transformers Section 129 Transformers for HVDC Applications IEC
	: 2024	IEEE 60076-57-129 2017 MOD
8	IS 2026 (Part 1): 2011	Power transformers Part 1 general Second Revision
	Reviewed In: 2021 IEC	
	60076-1 : 2000	
9	IS 2026 (Part 6): 2017	Power transformers Part 6 reactors
	IEC 60076-6 : 2007	
	60076-6 : 2007	
10	IS 2026 (Part 11): 2021	Power Transformers Part 11 Dry-Type Transformers

	IEC 60076-11 : 2018	
	ISO 5636-4	
11	IS 2026 (Part 14): 2018	Power transformers Part 14 liquid - Immersed power transformers using high - Temperature
	IEC 60076-14 : 2013	insulation materials
	Reviewed In: 2023 IEC	
	60076-14:2013	
12	IS 2026 (Part 15): 2018	Power transformers Part 15 gas - Filled power transformers
	IEC 60076-15 : 2015	
	Reviewed In: 2023 IEC	
	60076-15:2015	
13	IS 2026 (Part 16): 2023	Power transformers Part 16 transformers for wind turbine applications
	60076-16 : 2018	
14	IS 2026 (Part 21): 2018	Power transformers Part 21 standard requirements terminology and test code for step - Voltage
	IEC 60076-21 : 2011	regulators
	IEC 60076-21:2011	
15	IS 3639 : 1966	Specification for fittings and accessories for power transformers
	Reviewed In: 2021	
16	IS 5142 : 1969	Specification for continuously variable voltage auto - Transformers
	Reviewed In: 2021	
	Reaffirmed but not taken up	
	for revision	
17	IS/IEC 61558-1 : 2017	Safety of Transformers Reactors Power Supply Units and Combinations Thereof Part 1 General
	61558-1	Requirements and Tests First Revision
18	IS/IEC 61558-2-4) : 2021	Safety of Transformers Reactors Power Supply Units and Combinations Thereof Part 2 Particular
	61558-2-4	Requirements and Tests for Safety Isolating Transformers and Power Supply Units Incorporating
		Section 4 Isolating Transformers for General Applications
19	IS/IEC 61558-2-6) : 2021	Safety of Transformers Reactors Power Supply Units and Combinations Thereof Part 2 Particular
	61558-2-6	Requirements and Tests for Safety Isolating Transformers and Power Supply Units Incorporating
		Section 6 Safety Isolating Transformers for General Applications
20	IS 8447 : 1989	Manually operated voltage regulators for domestic use - Specification First Revision
	Reviewed In: 2018	
	Reaffirmed but not taken up	
	for revision	
21	IS 8448 : 1989	Automatic line voltage correctors Step Type for domestic use - Specification First Revision
	Reviewed In: 2019	
22	IS 8468 (Part 1): 2018	Tap - Changers Part 1 Performance Requirements and Test Methods First Revision
	IEC 60214-1:2014	
	IEC 60214-1 : 2014	
23	IS 9147 : 1979	Specification for cable sealing boxes for oil - Immersed transformers suitable for paper - Insulated
	Reviewed In: 2021 BS:	lead sheathed cables for highest system voltages from 12 kV up to and including 36 kV
	2562	
24	IS 9815 (Part 1): 1994	Servo - Motor operated automatic line voltage correctors Part 1 correctors for single - Phase
	Reviewed In: 2019	applications - Specification Second Revision