## **BUREAU OF INDIAN STANDARDS**

## **Program of Work**

#### **ETD 6: Electrical Insulators And Accessories**

Scope: To prepare standards regarding insulated bushing, insulators for overhead lines, insulators for

sub-stations and jointing accessories which are integral parts of insulators

Liaison: IEC TC-36 (P): Insulators IEC TC-36 SC-36A (P): Insulated bushings

### **Published Standards**

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10136 : 1982	Code of practice for selection of	July, 2021	-	Indigenous
	Reviewed In: 2021	disc insulator fittings for highest			
		system voltages of 72.5 kV and			
		above			
2	IS 10314 : 1982	Dimensions for ceramic bushings	January, 2021	-	Modified/Technically
	Reviewed In: 2021	for terminals			Equivalent
	DIN 41108-1971				
3	IS 12676 : 1989	Oil impregnated paper insulated	July, 2021	-	Indigenous
	Reviewed In: 2021	condenser bushings - Dimensions			
	IC 12124 1002	and requirements	A '1 2010		M 1'C' 1/T 1 ' 11
4	IS 13134 : 1992	Guide for the selection of	April, 2018	-	Modified/Technically
	Reviewed In: 2018	insulators in respect of polluted conditions			Equivalent
	IEC Report 815-1986	Collditions			
5	IS 13305 : 1992	Permissible limits of visual defects	April, 2018		Modified/Technically
'	Reviewed In : 2018	for insulating porcelains for	Арін, 2016	_	Equivalent
	JIS G-3802 : 1984	electrical circuits			Equivalent
6	IS 13312 : 1992	Dimensions of porcelain oil filled	April, 2018	_	Indigenous
	Reviewed In: 2018	transformer bushings (Rated 52	7 pm, 2010		margenous
	110,10,100 111, 2010	KV) for medium polluted			
		atmospheres			
7	IS 1441 : 1989	Insulator stalks for telegraph and		-	Indigenous
	Reviewed In: 2019	telephone lines - Specification			
		(Second Revision)			
8	IS 1445 : 1977	Specification for porcelain		5	Indigenous
	Reviewed In: 2019	insulators for overhead power lines			
		with a nominal voltage up to and			
		including 1 000 V (Second			
		Revision)			
9		Metal connecting lugs for porcelain	August, 2024	-	Indigenous
	Reviewed In: 2024	transformer bushings -			
		Specification			
10	IS 16683 (Part 1):	Selection and Dimensioning of	August, 2024	-	Identical under dual
	2018	High-Voltage Insulators Intended			numbering
		for Use in Polluted Conditions Part			
	2008	1 Definitions, Information and			
	Reviewed In: 2024	General Principles			
	IEC TS 60815-1:				

	2008				1
11	IS 16683 (Part 2):	Selection and Dimensioning of	August, 2024	-	Identical under dual
	2018	High-Voltage Insulators Intended			numbering
	IEC TS 60815-2:	for Use in Polluted Conditions Part			
	2008	2 Ceramic and Glass Insulators for			
	Reviewed In: 2024	a.c. Systems			
	IEC TS 60815-2:				
	2008				<del> </del>
12		Selection and dimensioning of high	August, 2024	-	Identical under dual
	2018	- Voltage insulators intended for			numbering
	IEC/TS 60815-3 : 2008	use in polluted conditions: Part 3 polymer insulators for a.c. systems			
	Reviewed In: 2024	polymer insulators for a.c. systems			
	IEC TS 60815-3:				
	200				
13	IS 16683 (Part 4):	High-Voltage Insulators Intended		_	Identical under dual
	2021	for use in Polluted Conditions -			numbering
	60815-4	Selection and Dimensioning Part 4			
	IEC TS 60815-4:	Insulators for d.c. Systems			
	2016				
14	IS 16684 : 2018	Polymeric HV Insulators for	August, 2024	-	Identical under dual
	IEC 62217 : 2012	Indoor and Outdoor Use-General			numbering
	Reviewed In: 2024	Definitions, Test Methods and			
1.5	IEC 62217:2012	Acceptance Criteria	4 . 2024		T1 ( 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
15	IS 16685 : 2018	Insulators - Glossary of terms and	August, 2024	-	Identical under dual
	IEC 62223 : 2009 Reviewed In : 2024	definitions			numbering
	IEC 62223 : 2009				
16	IS 16686 : 2018	Guidance for Production, Testing	August, 2024	_	Identical under dual
	IEC TR 62662 :	and Diagnostics of Polymer	114gust, 2021		numbering
	2010	Insulators with Respect to Brittle			
	Reviewed In: 2024	Fracture of Core Materials			
	IEC TR 62662 :2010				
17	IS 16687 : 2018	HV Polymeric Insulators for	August, 2024	-	Identical under dual
	IEC TR 62730:	Indoor and Outdoor Use Tracking			numbering
		and Erosion Testing by Wheel Test			
	Reviewed In: 2024	and 5000 h Test			
	IEC TR 62730:				
18	2012 IS 16784 : 2018	Insulators for Overhead Lines -	August 2024		Identical under dual
18	IS 16/84 : 2018 IEC 61109:2008		August, 2024	-	
	Reviewed In : 2024	Composite Suspension and Tension Insulators for a.c. Systems with a			numbering
	IEC 61109: 2008	Nominal Voltage Greater Than 1			
	120 01107, 2000	000 V - Definitions, Test Methods			
		and Acceptance Criteria			
19	IS 2486 (Part 1):	Metal fittings of insulators for	April, 2018	-	Indigenous
		overhead power lines with nominal	<u>-</u>		
	Reviewed In: 2018	voltage greater than 1 000 V -			
		Specification: Part 1 general			
		requirements and tests (Second			
	70.415	Revision)			<u> </u>
20	IS 2486 (Part 2):	Insulator fittings for overhead		-	Indigenous
	1989	power lines with nominal voltage			
	Reviewed In: 2019	greater than 1 000 V -			
		Specification: Part 2 dimensional requirements (Second Revision)			
21	IS 2486 (Part 3):	Specification for insulator fittings	July, 2021	_	Modified/Technically
41	1974	for overhead power lines with a	July, 2021	_	Equivalent
		nominal voltage greater than 1 000			
l		6 000		I	I

I	IEC 60372-1: 1971	volts: Part 3 locking devices		I	
22	IS 2486 (Part 4):	Specification for insulator fittings	July, 2021	-	Modified/Technically
	1981	for overhead power lines with a	• • • • • • • • • • • • • • • • • • • •		Equivalent
	61372-2	nominal voltage greater than 1 000			
	Reviewed In: 2021	V: Part iv tests for locking devices			
	IEC 60372-2: 1976				
23	IS 283 : 1976	Specification for porcelain	July, 2021	4	Indigenous
	Reviewed In: 2021	insulators for telegraph and	•		
		telephone lines (Third Revision)			
24	IS 3347 (Part 1/Sec	Dimensions for porcelain		1	Modified/Technically
	1): 1979	transformer bushings for use in			Equivalent
	Reviewed In: 2019	normal and lightly polluted			
	DIN 42530 ( 1968 )	atmospheres: Part 1 up to and			
	, ,	including 1 Kv: Sec 1 porcelain			
		parts (First Revision)			
25	IS 3347 (Part 1/Sec	Dimensions for porcelain		3	Modified/Technically
	2): 1979	transformer bushings for use in			Equivalent
	Reviewed In: 2019	normal and lightly polluted			_
	DIN 42530 (1968)	atmospheres: Part i up to and			
	` ′	including 1 kV: Sec 2 metal parts			
		(First Revision)			
26	IS 3347 (Part 2/Sec	Dimensions for porcelain		1	Modified/Technically
	1): 1979	transformer bushings for use in			Equivalent
	Reviewed In: 2019	normal and lightly polluted			_
	DIN 42539 (1968)	atmospheres: Part ii 3.6 kV			
	, ,	bushings: Sec 1 porcelain parts			
		(First Revision)			
27	IS 3347 (Part 2/Sec	Dimensions for porcelain		3	Modified/Technically
	2): 1979	transformer bushings for use in			Equivalent
	Reviewed In: 2019	normal and lightly polluted			
	DIN 42539 (1968)	atmospheres: Part ii 3.6 kV			
	, ,	bushings: Sec 2 metal parts (First			
		Revision)			
28	IS 3347 (Part 3/Sec	Dimensions for porcelain		-	Modified/Technically
	1): 1988	transformer bushings for use in 1			Equivalent
	Reviewed In: 2019	lightly polluted atmospheres: Part 3			_
	DIN 42531 ( 1968 )	17.5 kV bushings: Sec 1 porcelain			
	, ,	parts (Second Revision)			
29	IS 3347 (Part 3/Sec	Dimensions for porcelain		2	Modified/Technically
	2):1982	transformer bushings for use in			Equivalent
	Reviewed In: 2019	normal and lightly polluted			
	DIN 42531-1968,	atmospheres: Part iii 12 and 17.5			
	DIN	kV bushings: Sec 2 metal parts			
	42532-1969,DIN	(First Revision)			
	42533-1969				
30	IS 3347 (Part 4/Sec	Dimensions for porcelain		1	Indigenous
	1): 1988	transformer bushings for use in			
	Reviewed In: 2019	lightly polluted atmospheres: Part 4			
		24 kv bushings: Sec 1 porcelain			
		parts (Second Revision)			
31	IS 3347 (Part 4/Sec	Dimensions for porcelain		3	Modified/Technically
	2):1982	transformer bushings for use in			Equivalent
	Reviewed In: 2019	normal and lightly polluted			
	DIN 42531 (1968),	atmospheres: Part 4 24 kV			
	DIN 42532 (1969),	bushings: Sec 2 metal parts (First			
	DIN 42533 (1969)	Revision)			
32	IS 3347 (Part 5/Sec	Dimension for porcelain	April, 2019	1	Modified/Technically
	1): 1979	transformer bushings for use in			Equivalent
	Reviewed In: 2019	normal and lightly polluted			
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	DIN 42531 (1968),	atmospheres: Part 5 36 kV			
	DIN 42532 (1969),	bushings: Sec 1 porcelain parts			
	DIN 42533 (1969)	(Second Revision)			
33	IS 3347 (Part 5/Sec	Dimensions for porcelain		2	Indigenous
	2):1979	transformer bushings for use in			
	Reviewed In: 2019	normal and lightly polluted			
		atmospheres: Part 5 36 kV			
		bushings: Sec 2 metal parts (First			
		Revision)			
34	IS 3347 (Part 8/Sec	Dimensions for porcelain	April, 2019	-	Modified/Technically
	1):1988	transformer bushings for use in			Equivalent
	Reviewed In: 2019	lightly polluted atmospheres: Part 8			
	DIN 42534 ( Tier 1	52 kV bushings: Sec 1 porcelain			
	)-1963	part			
35	IS 3347 (Part 8/Sec	Dtmensions for porcelain	April, 2019	-	Indigenous
	2): 1992	transformer bushings for use in			
	Reviewed In: 2019	lightly polluted atmospheres: Part 8			
		52 kV bushings: Sec 2 metal parts			
36	IS 4257 (Part 1):	Dimensions for clamping		1	Modified/Technically
	1981	arrangements for porcelain			Equivalent
	Reviewed In: 2019	transformer bushings: Part 1 for 12			
	DIN 42538	kV to 52 kV bushings (First			
		Revision)			
37	IS 4257 (Part 2):	Dimensions for clamping		-	Modified/Technically
	1986	arrangements for porcelain			Equivalent
	Reviewed In: 2019	transformer bushings: Part 2 for			
	DIN 42538	72.5 kV and 123 kV bushings			
38	IS 4318 : 1993	Solid core porcelain insulators for	April, 2018	-	Indigenous
	Reviewed In: 2018	overhead traction lines -	-		
		Specification (First Revision)			
39	IS 5300 : 1969	Specification for porcelain guy		1	Modified/Technically
	Reviewed In: 2019	strain insulators			Equivalent
	ASA C29.4-1961				
40	IS 5350 (Part 1):	Dimensions of indoor and outdoor		2	Indigenous
	1970	porcelain post insulators and post			
	Reviewed In: 2019	insulator units for systems with			
		nominal voltages greater than 1000			
		V: Part 1 indoor post insulators			
41	IS 5350 (Part 2):	Dimensions of indoor and outdoor		-	Modified/Technically
	1973	porcelain post insulators and post			Equivalent
	Reviewed In: 2019	insulator units for systems with			1
	IEC Publication 273	nominal voltage greater than 1000			
	(1968)	V: Part 2 outdoor cylindrical post			
	` '	insulators (First Revision)			
42	IS 5350 (Part 3):	Dimensions of indoor and outdoor		3	Modified/Technically
	1971	porcelain post insulators and post			Equivalent
	Reviewed In: 2019	insulator units for systems with			
		nominal voltages greater than 1000			
	(1968)	V: Part 3 outdoor pedestal post			
	` /	insulators			
43	IS/IEC 60120 : 2020	Ball and socket couplings of string		-	Identical under single
	IEC 60120:2020	insulator units - Dimensions			numbering
	IEC 60120:2020				
44		Insulated Bushings for Alternating	August, 2024	-	Identical under single
	IEC 60137: 2017	Voltages above 1 000 V			numbering
	Reviewed In: 2024				
	IEC 60137: 2017				
45	IS/IEC 60168 : 2000	Tests on indoor and outdoor post	August, 2024	-	Identical under single
1	IEC 60168 : 2001	insulators of ceramic material or			numbering
		*-		I	I

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	Reviewed In : 2024	glass for systems with nominal			
16	IEC 60168 : 2000	voltages greater than 1 000 v			The wind on the single
46	IS/IEC 60273 : 1990			-	Identical under single
		outdoor post insulators for systems			numbering
	IEC 60273: 1990	with nominal voltages greater than			
L		1 000 v			<del> </del>
47	IS/IEC 60305 : 1995	Insulatore for Overhead Lines with		-	Identical under single
		a Nominal Voltage Above 1 000 V			numbering
	IEC 60305:2021	- Ceramic or Glass Insulator Units			
		for a.c. Systems - Characteristics			
		of Insulator Units of the Cap and			
		Pin Type			
48		Insulators for Overhead Lines with		-	Identical under single
		a Nominal Voltage Above 1 000 V			numbering
	IEC 60305:2021	- Ceramic or Glass Insulator Units			
		for a.c. Systems - Characteristics			
		of Insulator Units of the Cap and			
		Pin Type (First Revision)			
49		Locking devices for ball and socket	August, 2020	-	Identical under single
	Reviewed In: 2020	couplings of string insulators units -		1	numbering
L	IEC 60372:2020	Dimensions and tests			
50	IS/IEC 60372: 2020	Locking devices for ball and socket		-	Identical under single
	IEC 60372:2020	couplings of string insulators units -			numbering
	IEC 60372:2020	Dimensions and tests (First			
		Revision)			
51	IS/IEC 60383-1:	Insulators for Overhead Lines with		-	Identical under single
	1993	a Nominal Voltage Above 1 000 V			numbering
	IEC 60383-1:1993	Part 1 Ceramic or Glass Insulator			
	IEC 60383-1: 2023	Units for a.c. Systems â€"			
		Definitions, Test Methods and			
		Acceptance Criteria			
52	IS/IEC 60383-1:	Insulators for Overhead Lines with		-	Identical under single
	2023	a Nominal Voltage above 1 000 V			numbering
	IEC 60383-1: 2023	Part 1 Ceramic or Glass Insulator			
		Units for a.c Systems - Definitions,			
		Test Methods and Acceptance			
		Criteria (First Revision)			
53	IS/IEC 60383-2 :	Insulators for Overhead Lines with		-	Identical under single
	1993	a Nominal Voltage Above 1 000 V			numbering
	IEC 60383-2: 1993				
		Insulator Sets for a.c. Systems â€"			
		Definitions, Test Methods and			
		Acceptance Criteria			
54	IS/IEC 60433 : 2021	Insulators for overhead lines with a		-	Identical under single
	IEC 60433:2021	nominal voltage above 1 000 V -			numbering
		Ceramic insulators for ac systems -			
		Characteristics of insulator units of			
		the long rod type		1	
55	IS/IEC 60471 : 2020			<del> </del>	Identical under single
	IEC 60471:2020	String Insulator Units $\ddot{i}_{\xi}^{1/2}$			numbering
	IEC 60471:2020	Dimensions (First Revision)			indinioe inig
56	IS/IEC/TR 60575 :	Thermal-mechanical performance		<del> </del>	Identical under single
30	1977	test and mechanical performance			numbering
	IEC TR 60575:1977	test and mechanical performance			numbering
	IEC TR 60575:1977	_		1	
57		Line Post Insulators Characteristics		_	Identical under single
"	IEC 60720:1981	Eme i ost msulators characteristics		<u> </u>	numbering
	IEC 60720:1981				numbering
58	IS/IEC 61211 : 2004	Insulators of ceramic material or	August, 2024		Identical under single
50	15/112 01211 . 2004	insulators of ceranine material of	August, 2024	I -	identical under single

1	L IEC (1211-2004	alooo fon assankaa d linaa ssiidh a		1	1
	IEC 61211:2004	glass for overhead lines with a			numbering
		nominal voltage greater than 1 000			
-50	IEC 61211:2004	V - Impulse puncture testing in air	A 2024	1	T1 : 1 1 : 1
59	IS/IEC/TS 61245 :	Artificial pollution tests on high -	August, 2024	1	Identical under single
	2015	Voltage ceramic and glass			numbering
	IEC 61245 : 2015	insulators to be used on d.c.			
	Reviewed In: 2024	systems			
	IEC 61245: 2015				+
60		Insulators for overhead lines with a		-	Identical under single
	IEC 61325:1995	nominal voltage above 1 000 V -			numbering
	IEC 61325:1995	Ceramic or glass insulator units for			
		dc systems - Definitions test			
		methods and acceptance criteria			
61	: 2023	Composite Hollow Insulators -		-	Identical under single
	IEC 61462: 2023	Pressurized and Unpressurized			numbering
	IEC 61462: 2023	Insulators For Use in Electrical			
		Equipment with a.c Rated Voltage			
		Greater than 1 000 V and d.c			
		Voltage Greater than 1 500 V -			
		Definitions, Test Methods,			
		Acceptance Criteria and Design			
		Recommendations (First Revision			
		)			
62	IS/IEC 61462 : 2007	1		-	Identical under single
	IEC 61462:2007	Pressurized and unpressurized			numbering
	IEC 61462: 2023	insulators for use in electrical			
		equipment with rated voltage			
		greater than 1 000 V - Definitions			
		test methods acceptance criteria			
		and design recommendations			
63	IS/IEC/TS 61463:	Bushings - Seismic qualification	August, 2024	-	Identical under single
	2016				numbering
	61463-2016				
	Reviewed In: 2024				
	61463-2016				
64	IS/IEC/TS 62073:	Guidance on the Measurement of	August, 2024	-	Identical under single
	2016	Hydrophobicity of Insulator			numbering
	IEC/TS 62073:	Surfaces			
	2016				
	Reviewed In: 2024				
	IEC/TS 62073:				
<u></u>	2016				
65	IS/IEC 62155 : 2003		August, 2024	-	Identical under single
65	IS/IEC 62155 : 2003 IEC 62155 : 2003	Unpressurized Ceramic and Glass	August, 2024	-	Identical under single numbering
65	IS/IEC 62155 : 2003 IEC 62155 : 2003 Reviewed In : 2024	Unpressurized Ceramic and Glass Insulators for Use in Electrical	August, 2024	-	_
65	IS/IEC 62155 : 2003 IEC 62155 : 2003	Unpressurized Ceramic and Glass Insulators for Use in Electrical Equipment with Rated Voltages	August, 2024	-	_
	IS/IEC 62155 : 2003 IEC 62155 : 2003 Reviewed In : 2024 IEC 62155 : 2003	Unpressurized Ceramic and Glass Insulators for Use in Electrical Equipment with Rated Voltages Greater Than 1 000 V		-	numbering
65	IS/IEC 62155 : 2003 IEC 62155 : 2003 Reviewed In : 2024 IEC 62155 : 2003 IS/IEC/TS 62371 :	Unpressurized Ceramic and Glass Insulators for Use in Electrical Equipment with Rated Voltages Greater Than 1 000 V Characteristics of hollow	August, 2024 August, 2024	-	numbering  Identical under single
	IS/IEC 62155 : 2003 IEC 62155 : 2003 Reviewed In : 2024 IEC 62155 : 2003 IS/IEC/TS 62371 : 2008	Unpressurized Ceramic and Glass Insulators for Use in Electrical Equipment with Rated Voltages Greater Than 1 000 V Characteristics of hollow pressurised and unpressurised		-	numbering
	IS/IEC 62155 : 2003 IEC 62155 : 2003 Reviewed In : 2024 IEC 62155 : 2003 IS/IEC/TS 62371 : 2008 62371:2008	Unpressurized Ceramic and Glass Insulators for Use in Electrical Equipment with Rated Voltages Greater Than 1 000 V Characteristics of hollow pressurised and unpressurised ceramic and glass insulators for use		-	numbering  Identical under single
	IS/IEC 62155 : 2003 IEC 62155 : 2003 Reviewed In : 2024 IEC 62155 : 2003 IS/IEC/TS 62371 : 2008 62371:2008 Reviewed In : 2024	Unpressurized Ceramic and Glass Insulators for Use in Electrical Equipment with Rated Voltages Greater Than 1 000 V Characteristics of hollow pressurised and unpressurised ceramic and glass insulators for use in electrical equipment with rated		-	numbering  Identical under single
	IS/IEC 62155 : 2003 IEC 62155 : 2003 Reviewed In : 2024 IEC 62155 : 2003 IS/IEC/TS 62371 : 2008 62371:2008 Reviewed In : 2024 62371:2008	Unpressurized Ceramic and Glass Insulators for Use in Electrical Equipment with Rated Voltages Greater Than 1 000 V Characteristics of hollow pressurised and unpressurised ceramic and glass insulators for use in electrical equipment with rated voltages greater than 1000 V		-	numbering  Identical under single numbering
	IS/IEC 62155 : 2003 IEC 62155 : 2003 Reviewed In : 2024 IEC 62155 : 2003 IS/IEC/TS 62371 : 2008 62371:2008 Reviewed In : 2024	Unpressurized Ceramic and Glass Insulators for Use in Electrical Equipment with Rated Voltages Greater Than 1 000 V Characteristics of hollow pressurised and unpressurised ceramic and glass insulators for use in electrical equipment with rated voltages greater than 1000 V Hybrid insulators for ac and dc for		-	numbering  Identical under single
66	IS/IEC 62155 : 2003 IEC 62155 : 2003 Reviewed In : 2024 IEC 62155 : 2003 IS/IEC/TS 62371 : 2008 62371:2008 Reviewed In : 2024 62371:2008 IS/IEC/TS 62896 : 2015	Unpressurized Ceramic and Glass Insulators for Use in Electrical Equipment with Rated Voltages Greater Than 1 000 V Characteristics of hollow pressurised and unpressurised ceramic and glass insulators for use in electrical equipment with rated voltages greater than 1000 V Hybrid insulators for ac and dc for high-voltage applications -		-	numbering  Identical under single numbering
66	IS/IEC 62155 : 2003 IEC 62155 : 2003 Reviewed In : 2024 IEC 62155 : 2003 IS/IEC/TS 62371 : 2008 62371:2008 Reviewed In : 2024 62371:2008 IS/IEC/TS 62896 :	Unpressurized Ceramic and Glass Insulators for Use in Electrical Equipment with Rated Voltages Greater Than 1 000 V Characteristics of hollow pressurised and unpressurised ceramic and glass insulators for use in electrical equipment with rated voltages greater than 1000 V Hybrid insulators for ac and dc for		-	Identical under single numbering  Identical under single
66	IS/IEC 62155 : 2003 IEC 62155 : 2003 Reviewed In : 2024 IEC 62155 : 2003  IS/IEC/TS 62371 : 2008 62371:2008 Reviewed In : 2024 62371:2008 IS/IEC/TS 62896 : 2015 62896:2015 62896:2015	Unpressurized Ceramic and Glass Insulators for Use in Electrical Equipment with Rated Voltages Greater Than 1 000 V Characteristics of hollow pressurised and unpressurised ceramic and glass insulators for use in electrical equipment with rated voltages greater than 1000 V Hybrid insulators for ac and dc for high-voltage applications -	August, 2024	-	Identical under single numbering  Identical under single numbering
66	IS/IEC 62155 : 2003 IEC 62155 : 2003 Reviewed In : 2024 IEC 62155 : 2003 IS/IEC/TS 62371 : 2008 62371:2008 Reviewed In : 2024 62371:2008 IS/IEC/TS 62896 : 2015 62896:2015	Unpressurized Ceramic and Glass Insulators for Use in Electrical Equipment with Rated Voltages Greater Than 1 000 V Characteristics of hollow pressurised and unpressurised ceramic and glass insulators for use in electrical equipment with rated voltages greater than 1000 V Hybrid insulators for ac and dc for high-voltage applications - Definitions test methods and		-	Identical under single numbering  Identical under single
66	IS/IEC 62155 : 2003 IEC 62155 : 2003 Reviewed In : 2024 IEC 62155 : 2003  IS/IEC/TS 62371 : 2008 62371:2008 Reviewed In : 2024 62371:2008 IS/IEC/TS 62896 : 2015 62896:2015 62896:2015	Unpressurized Ceramic and Glass Insulators for Use in Electrical Equipment with Rated Voltages Greater Than 1 000 V Characteristics of hollow pressurised and unpressurised ceramic and glass insulators for use in electrical equipment with rated voltages greater than 1000 V Hybrid insulators for ac and dc for high-voltage applications - Definitions test methods and acceptance criteria	August, 2024	-	Identical under single numbering  Identical under single numbering
66	IS/IEC 62155 : 2003 IEC 62155 : 2003 Reviewed In : 2024 IEC 62155 : 2003  IS/IEC/TS 62371 : 2008 62371:2008 Reviewed In : 2024 62371:2008 IS/IEC/TS 62896 : 2015 62896:2015 62896:2015 IS/IEC/IEEE	Unpressurized Ceramic and Glass Insulators for Use in Electrical Equipment with Rated Voltages Greater Than 1 000 V Characteristics of hollow pressurised and unpressurised ceramic and glass insulators for use in electrical equipment with rated voltages greater than 1000 V Hybrid insulators for ac and dc for high-voltage applications - Definitions test methods and acceptance criteria	August, 2024	-	Identical under single numbering  Identical under single numbering  Identical under single numbering

ı	65700-19-03 : 2014	1		1	1
	Reviewed In : 2024				
	IEC/IEEE 65700 :				
	Part 19 : Sec 3 :				
	2014				
69	IS 731 : 1971	Specification for procelain	June, 2021	7	Modified/Technically
		insulators for overhead power lines			Equivalent
	IEC Pub 274, BS	with a nominal voltage greater than			
	137 : Part I : 1970,	1000 V (Second Revision)			
	Draft BS 137 : Part				
70	II : 1970 IS 7421 : 1988	Considiration for possible			Tudiamana
70	Reviewed In : 2019	Specification for porcelain bushings for alternating voltages		-	Indigenous
	Reviewed III . 2019	upto and including 1000 v (First			
		Revision)			
71	IS 7648 : 1975	Specification for silicone		-	Indigenous
	Reviewed In: 2019	compounds for application on high			
		voltage porcelain insulators			
72	IS 7935 : 1975	Specification for insulator fittings	July, 2021	3	Indigenous
	Reviewed In: 2021	for overhead power lines with a			
		nominal voltage up to and			
	XG 02 62 2010	including 1000 v			X1
73	IS 8263 : 2018	Radio interference test on high -		-	Identical under dual
	IEC 60437 : 1997 IEC 60437 : 1997	Voltage insulators (First Revision)			numbering
74	IS 8269 : 1976			Modified/Technically	
'-	Reviewed In : 2019	tests on high voltage insulators	Aprii, 2019	_	Equivalent
	IEC Pub 506( 1975 )	tests on high voltage institutors			Equivalent
75	IS 8603 : 2008	Dimensions for porcelain	August, 2024	1	Indigenous
	Reviewed In: 2024	transformer bushings for use in	<i>C</i> ,		
		heavily polluted atmospheres			
		12/17.5 kV, 24 kV and 36 kV			
		(First Revision)			
76	IS 8603 (Part 4):	Dimensions for porcelain	August, 2024	-	Indigenous
	2003	transformer bushings for use in			
	Reviewed In: 2024	heavily polluted atmospheres: Part			
77	IS 8704 : 2018	4 52 kV bushings Artificial pollution test on	August, 2024		Identical under dual
''	IEC 60507 : 2013	highVoltage ceramic and glass	August, 2024		numbering
	Reviewed In : 2024				numbering
	IEC 60507 : 2013	systems (Second Revision)			
78	IS 8765 : 1978	Specification for ceramic	April, 2019	1	Modified/Technically
	Reviewed In: 2019	insulating materials for electrical	_		Equivalent
	BS 1598:1964	purposes			
79	IS 9431 : 2024	Indoor Post Insulators of Organic		-	Identical under dual
	IEC 60660 :1999	Material for Systems with Nominal			numbering
	IEC 60660 :1999	Voltages Greater Than 1000 V UP			
		to and Including 300 kV -			
80	IS 9431 : 1979	Specification (First Revision)  Specification for indoor post	April, 2019	+	Identical under dual
00	Reviewed In : 2019	insulators of organic material for	лрин, 2019	1 -	numbering
	IEC 60660 :1999	systems with nominal voltages			numoemig
		greater than 1000 v up to and			
		including 300 kV			
81	IS/IEEE Std1523TM:			-	Identical under single
	2018	Maintenance and Evaluation of			numbering
	IEEE 1523:2018	Room Temperature Vulcanizing			
	IEEE 1523:2018	RTV Silicone Rubber Insulator			
		Coatings			

### **Standards under Development**

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

		Preliminary Draft Standards	
SI. No.	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
No Records Found		

		Finalized Draft Indian Standard	
SI. No.	Doc No.	Title	
	No Records Found		

	Finalized Draft Indian Standards under Print				
SI. No.	Doc No.	Title			
1	ETD 6 (25767) Revision of:	Radio Interference Test on High-Voltage Insulators Second Revision			
	IS 8263:2018				

#### Total Published Standards:64 Total Standards Under development:1

### **Aspect Wise Report**

Product: 28
Code of Practices: 4
Methods of Test: 13
Terminology: 0
Dimensions: 27
System Standard: 0
Safety Standard: 0
Others: 3

Service Specification: 0
Process Specification: 0
Unclassified: 0

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

SI. No.	IS No. & Year	Title	
1	IS 2099 : 1986	Bushings for alternating voltages above 1 000 Volts	
	Reviewed In: 2018		
2	IS 2544 : 1973	Porcelain post insulators for systems with nominal voltage greater than 1000 V olts	
	Reviewed In: 2016		

3	IS 3188 : 1980	Characteristics Of String Insulator Units
	Reviewed In: 2014	
4	IS 3347 (Part 6/Sec 1):	Dimensions for porcelain transformer bushings for use in lightly polluted atmospheres Part 6 72 5
	1977	kV bushings Sec 1 Porcelain parts
	Reviewed In: 1989	
5	IS 3347 (Part 6/Sec 2):	Dimensions for porcelain transformer bushings for use in lightly polluted atmospheres Part 6 72 5
	1982	kV bushings Sec 2 Metal parts
	Reviewed In: 1988	
6	IS 3347 (Part 7/Sec 1):	Dimensions for porcelain transformer bushings for use in lightly polluted atmospheres Part 7 123
	1977	kV bushings Sec 1 Porcelain parts
	Reviewed In: 1989	
7	IS 3347 (Part 7/Sec 2):	Dimensions for porcelain transformer bushings for use in lightly polluted atmospheres Part 7 123
	1982	kV bushings Sec 2 Metal parts
	Reviewed In: 1988	
8	IS 5621 : 1980	Hollow insulators for use in electrical equipment
	Reviewed In: 2014	
9	IS 8603 (Part 1): 1977	Dimensions for porcelain transformer bushings for use in heavily polluted atmospheres Part 1 12
	Reviewed In: 2001	kV and 17 5 kV bushings Amalglamating in IS 8603 2008
10	IS 8603 (Part 2): 1977	Dimensions for porcelain transformer bushings for use in heavily polluted atmospheres Part 2 24
	Reviewed In: 2001	kV buhsings Amalgamating in IS 8603 2008
11	IS 8603 (Part 3): 1977	Dimensions for porcelain transformer bushings for use in heavily polluted atmospheres Part 3 36
	Reviewed In: 2001	kV bushings amalgamating in IS 8063 2008

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

SI. No.	IS No. & Year	Title
1	IS 1441 : 1989	Insulator stalks for telegraph and telephone lines - Specification Second Revision
	Reviewed In: 2019	
2	IS 1445 : 1977	Specification for porcelain insulators for overhead power lines with a nominal voltage up to and
	Reviewed In: 2019	including 1 000 V Second Revision
3	IS 15137 : 2002	Metal connecting lugs for porcelain transformer bushings - Specification
	Reviewed In: 2024	
4	IS 16684 : 2018	Polymeric HV Insulators for Indoor and Outdoor Use-General Definitions Test Methods and
	IEC 62217 : 2012	Acceptance Criteria
	Reviewed In: 2024 IEC	
	62217:2012	
5	IS 2486 (Part 2): 1989	Insulator fittings for overhead power lines with nominal voltage greater than 1 000 V -
	Reviewed In: 2019	Specification Part 2 dimensional requirements Second Revision
6	IS 2486 (Part 3): 1974	Specification for insulator fittings for overhead power lines with a nominal voltage greater than 1
	Reviewed In: 2021 IEC	000 volts Part 3 locking devices
	60372-1: 1971	
7	IS 283 : 1976	Specification for porcelain insulators for telegraph and telephone lines Third Revision
	Reviewed In: 2021	
8	IS 4318 : 1993	Solid core porcelain insulators for overhead traction lines - Specification First Revision
	Reviewed In: 2018	
9	IS 5300 : 1969	Specification for porcelain guy strain insulators
	Reviewed In: 2019 ASA	
	C29.4-1961	
10	IS/IEC 60137 : 2017	Insulated Bushings for Alternating Voltages above 1 000 V
	IEC 60137: 2017	
	Reviewed In: 2024 IEC	
	60137: 2017	
11	IS/IEC 60273 : 1990	Characteristic of indoor and outdoor post insulators for systems with nominal voltages greater than
	IEC 60273: 1990	1 000 v
	IEC 60273: 1990	
12	IS/IEC 60305 : 2021	Insulators for Overhead Lines with a Nominal Voltage Above 1 000 V - Ceramic or Glass
	IEC 60305:2021	Insulator Units for a c Systems - Characteristics of Insulator Units of the Cap and Pin Type First
		Revision
13	IS/IEC 60372 : 2020	Locking devices for ball and socket couplings of string insulators units - Dimensions and tests First

	IEC 60372:2020	Revision
14	IS/IEC 60383-1 : 2023 IEC 60383-1: 2023	Insulators for Overhead Lines with a Nominal Voltage above 1 000 V Part 1 Ceramic or Glass Insulator Units for a c Systems - Definitions Test Methods and Acceptance Criteria First Revision
15	IS/IEC 60383-2 : 1993 IEC 60383-2 : 1993 IEC 60383-2 : 1993	Insulators for Overhead Lines with a Nominal Voltage Above 1 000 V Part 2 Insulator Strings and Insulator Sets for a c Systems Definitions Test Methods and Acceptance Criteria
16	IS/IEC 60433 : 2021 IEC 60433:2021	Insulators for overhead lines with a nominal voltage above 1 000 V - Ceramic insulators for ac systems - Characteristics of insulator units of the long rod type
17	IS/IEC 60720 : 1981 IEC 60720:1981	Line Post Insulators Characteristics
18	: 2023 IEC 61462: 2023	Composite Hollow Insulators - Pressurized and Unpressurized Insulators For Use in Electrical Equipment with a c Rated Voltage Greater than 1 000 V and d c Voltage Greater than 1 500 V - Definitions Test Methods Acceptance Criteria and Design Recommendations First Revision
19	IS/IEC 62155 : 2003 IEC 62155 : 2003 Reviewed In : 2024 IEC 62155 : 2003	Hollow Pressurized and Unpressurized Ceramic and Glass Insulators for Use in Electrical Equipment with Rated Voltages Greater Than 1 000 V
20	IS/IEC/TS 62371 : 2008 62371:2008 Reviewed In : 2024	Characteristics of hollow pressurised and unpressurised ceramic and glass insulators for use in electrical equipment with rated voltages greater than 1000 V
21	IS/IEC/TS 62896 : 2015 62896:2015	Hybrid insulators for ac and dc for high-voltage applications - Definitions test methods and acceptance criteria
22	IS/IEC/IEEE 65700-19-3: 2014 IEC/IEEE 65700-19-03: 2014 Reviewed In: 2024 IEC/IEEE 65700: Part 19: Sec 3: 2014	Bushing for DC Application
23	IS 731: 1971 Reviewed In: 2021 IEC Pub 274, BS 137: Part I: 1970, Draft BS 137: Part II : 1970	Specification for procelain insulators for overhead power lines with a nominal voltage greater than 1000 V Second Revision
24	IS 7421 : 1988 Reviewed In : 2019	Specification for porcelain bushings for alternating voltages upto and including 1000 v First Revision
25	IS 7648 : 1975 Reviewed In : 2019	Specification for silicone compounds for application on high voltage porcelain insulators
26	IS 7935 : 1975 Reviewed In : 2021	Specification for insulator fittings for overhead power lines with a nominal voltage up to and including 1000 v
27	IS 8765 : 1978 Reviewed In : 2019 BS 1598:1964	Specification for ceramic insulating materials for electrical purposes
28	IS 9431 : 2024 IEC 60660 :1999	Indoor Post Insulators of Organic Material for Systems with Nominal Voltages Greater Than 1000 V UP to and Including 300 kV - Specification First Revision