

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

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10136:1982 <i>Reviewed In : 2021</i>	Code of practice for selection of disc insulator fittings for highest system voltages of 72.5 kV and above	July, 2021	-	Indigenous
2	IS 10314:1982 <i>Reviewed In : 2021</i> <i>DIN 41108-1971</i>	Dimensions for ceramic bushings for terminals	January, 2021	-	Modified/Technically Equivalent
3	IS 12676:1989 <i>Reviewed In : 2021</i>	Oil impregnated paper insulated condenser bushings - Dimensions and requirements	July, 2021	-	Indigenous
4	IS 13134:1992 <i>Reviewed In : 2018</i> Reaffirmed but not taken up for revision <i>IEC Report 815-1986</i>	Guide for the selection of insulators in respect of polluted conditions	April, 2018	-	Modified/Technically Equivalent
5	IS 13305:1992 <i>Reviewed In : 2018</i> Reaffirmed but not taken up for revision <i>JIS G-3802 : 1984</i>	Permissible limits of visual defects for insulating porcelains for electrical circuits	April, 2018	-	Modified/Technically Equivalent
6	IS 13312:1992 <i>Reviewed In : 2018</i> Reaffirmed but not taken up for revision	Dimensions of porcelain oil filled transformer bushings (Rated 52 KV) for medium polluted atmospheres	April, 2018	-	Indigenous
7	IS 1445:1977 <i>Reviewed In : 2019</i> Reaffirmed but not taken up for revision	Specification for porcelain insulators for overhead power lines with a nominal voltage up to and including 1 000 V (Second Revision)		5	Indigenous
8	IS 15137:2002 <i>Reviewed In : 2024</i>	Metal connecting lugs for porcelain transformer bushings - Specification	August, 2024	-	Indigenous
9	IS 16683 (Part 1):2018 IEC TS 60815-1 :	Selection and Dimensioning of High-Voltage Insulators Intended for Use in Polluted Conditions Part	August, 2024	-	Identical under dual numbering

	2008 Reviewed In : 2024 IEC TS 60815-1 : 2008	1 Definitions, Information and General Principles			
10	IS 16683 (Part 2):2018 IEC TS 60815-2 : 2008 Reviewed In : 2024 IEC TS 60815-2 : 2008	Selection and Dimensioning of High-Voltage Insulators Intended for Use in Polluted Conditions Part 2 Ceramic and Glass Insulators for a.c. Systems	August, 2024	-	Identical under dual numbering
11	IS 16683 (Part 3):2018 IEC/TS 60815-3 : 2008 Reviewed In : 2024 IEC TS 60815-3 : 200	Selection and dimensioning of high - Voltage insulators intended for use in polluted conditions: Part 3 polymer insulators for a.c. systems	August, 2024	-	Identical under dual numbering
12	IS 16683 (Part 4):2021 IEC TS 60815-4 : 2016 IEC TS 60815-4: 2016	High-Voltage Insulators Intended for use in Polluted Conditions - Selection and Dimensioning Part 4 Insulators for d.c. Systems		-	Identical under dual numbering
13	IS 16684:2018 IEC 62217 : 2012 Reviewed In : 2024 IEC 62217:2012	Polymeric HV Insulators for Indoor and Outdoor Use-General Definitions, Test Methods and Acceptance Criteria	August, 2024	-	Identical under dual numbering
14	IS 16685:2018 IEC 62223 : 2009 Reviewed In : 2024 IEC 62223 : 2009	Insulators - Glossary of terms and definitions	August, 2024	-	Identical under dual numbering
15	IS 16686:2018 IEC TR 62662 : 2010 Reviewed In : 2024 IEC TR 62662 :2010	Guidance for Production, Testing and Diagnostics of Polymer Insulators with Respect to Brittle Fracture of Core Materials	August, 2024	-	Identical under dual numbering
16	IS 16687:2018 IEC TR 62730 : 2012 Reviewed In : 2024 IEC TR 62730 : 2012	HV Polymeric Insulators for Indoor and Outdoor Use Tracking and Erosion Testing by Wheel Test and 5000 h Test	August, 2024	-	Identical under dual numbering
17	IS 16784:2018 IEC 61109:2008 Reviewed In : 2024 IEC 61109: 2008	Insulators for Overhead Lines - Composite Suspension and Tension Insulators for a.c. Systems with a Nominal Voltage Greater Than 1 000 V - Definitions, Test Methods and Acceptance Criteria	August, 2024	-	Identical under dual numbering
18	IS 16784:2025 IEC 61109: 2008	Insulators for Overhead Lines — Composite Suspension and Tension Insulators with a.c. Voltage Greater than 1 000 V and d.c. Voltage Greater than 1 500 V — Definitions, Test Methods and Acceptance Criteria		-	Identical under dual numbering
19	IS 16784:2025 IEC 61109: 2008	INSULATORS FOR OVERHEAD LINES COMPOSITE SUSPENSION AND TENSION		-	Identical under dual numbering

		INSULATORS WITH a.c. VOLTAGE GREATER THAN 1 000 V AND d.c. VOLTAGE GREATER THAN 1 500 V DEFINITIONS TEST METHODS AND ACCEPTANCE CRITERIA (First Revision)			
20	IS 2486 (Part 1):1993 Reviewed In : 2023	Metal fittings of insulators for overhead power lines with nominal voltage greater than 1 000 V - Specification: Part 1 general requirements and tests (Second Revision)	May, 2023	-	Indigenous
21	IS 2486 (Part 2):1989 Reviewed In : 2025	Insulator fittings for overhead power lines with nominal voltage greater than 1 000 V - Specification: Part 2 dimensional requirements (Second Revision)	July, 2025	-	Indigenous
22	IS 2486 (Part 3):1974 Reviewed In : 2021 IEC 60372-1: 1971	Specification for insulator fittings for overhead power lines with a nominal voltage greater than 1 000 volts: Part 3 locking devices	July, 2021	-	Modified/Technically Equivalent
23	IS 2486 (Part 4):1981 Reviewed In : 2021 IEC 60372-2: 1976	Specification for insulator fittings for overhead power lines with a nominal voltage greater than 1 000 V: Part 4 tests for locking devices	July, 2021	-	Modified/Technically Equivalent
24	IS 3347 (Part 1/Sec 1):1979 Reviewed In : 2025 DIN 42530 (1968)	Dimensions for porcelain transformer bushings for use in normal and lightly polluted atmospheres: Part 1 up to and including 1 kV: Sec 1 Porcelain Parts (First Revision)	May, 2025	1	Modified/Technically Equivalent
25	IS 3347 (Part 1/Sec 2):1979 Reviewed In : 2024 DIN 42530 (1968)	Dimensions for porcelain transformer bushings for use in normal and lightly polluted atmospheres: Part 1 up to and including 1 kV: Sec 2 metal parts (First Revision)	January, 2024	3	Modified/Technically Equivalent
26	IS 3347 (Part 2/Sec 1):1979 Reviewed In : 2024 DIN 42539 (1968)	Dimensions for porcelain transformer bushings for use in normal and lightly polluted atmospheres: Part 2- 3.6 kV bushings: Sec 1 porcelain parts (First Revision)	January, 2024	1	Modified/Technically Equivalent
27	IS 3347 (Part 2/Sec 2):1979 Reviewed In : 2024 DIN 42539 (1968)	Dimensions for porcelain transformer bushings for use in normal and lightly polluted atmospheres: Part 2- 3.6 kV bushings: Sec 2 metal parts (First Revision)	May, 2024	3	Modified/Technically Equivalent
28	IS 3347 (Part 3/Sec 1):1988 Reviewed In : 2023 DIN 42531 (1968)	Dimensions for porcelain transformer bushings for use in lightly polluted atmospheres: Part 3 -17.5 kV bushings: Sec 1 porcelain parts (Second Revision)	February, 2023	-	Modified/Technically Equivalent
29	IS 3347 (Part 3/Sec 2):1982 Reviewed In : 2022 DIN 42531-1968,	Dimensions for porcelain transformer bushings for use in normal and lightly polluted atmospheres: Part 3- 12 and 17.5	May, 2022	2	Modified/Technically Equivalent

	DIN 42532-1969,DIN 42533-1969	kV bushings: Sec 2 metal parts (First Revision)			
30	IS 3347 (Part 4/Sec 1):1988 Reviewed In : 2023	Dimensions for porcelain transformer bushings for use in lightly polluted atmospheres: Part 4- 24 kV bushings: Sec 1 porcelain parts (Second Revision)	February, 2023	1	Indigenous
31	IS 3347 (Part 4/Sec 2):1982 Reviewed In : 2022 DIN 42531 (1968), DIN 42532 (1969), DIN 42533 (1969)	Dimensions for porcelain transformer bushings for use in normal and lightly polluted atmospheres: Part 4 -24 kV bushings: Sec 2 metal parts (First Revision)	July, 2022	3	Modified/Technically Equivalent
32	IS 3347 (Part 5/Sec 1):1979 Reviewed In : 2024 DIN 42531 (1968), DIN 42532 (1969), DIN 42533 (1969)	Dimension for porcelain transformer bushings for use in normal and lightly polluted atmospheres: Part 5 - 36 kV bushings: Sec 1 porcelain parts (Second Revision)	June, 2024	1	Modified/Technically Equivalent
33	IS 3347 (Part 5/Sec 2):1979 Reviewed In : 2024	Dimensions for porcelain transformer bushings for use in normal and lightly polluted atmospheres: Part 5 -36 kV bushings: Sec 2 metal parts (First Revision)	October, 2024	2	Indigenous
34	IS 3347 (Part 8/Sec 1):1988 Reviewed In : 2023 DIN 42534 (Tier 1)-1963	Dimensions for porcelain transformer bushings for use in lightly polluted atmospheres: Part 8- 52 kV bushings: Sec 1 porcelain part	April, 2023	-	Modified/Technically Equivalent
35	IS 3347 (Part 8/Sec 2):1992 Reviewed In : 2022	Dimensions for porcelain transformer bushings for use in lightly polluted atmospheres: Part 8 : 52 kV bushings: Sec 2 metal parts	March, 2022	-	Indigenous
36	IS 4257 (Part 1):1981 Reviewed In : 2019 Reaffirmed but not taken up for revision DIN 42538	Dimensions for clamping arrangements for porcelain transformer bushings: Part 1 for 12 kV to 52 kV bushings (First Revision)		1	Modified/Technically Equivalent
37	IS 4257 (Part 2):1986 Reviewed In : 2019 DIN 42538	Dimensions for clamping arrangements for porcelain transformer bushings: Part 2 for 72.5 kV and 123 kV bushings		-	Modified/Technically Equivalent
38	IS 4318:1993 Reviewed In : 2018	Solid core porcelain insulators for overhead traction lines - Specification (First Revision)	April, 2018	-	Indigenous
39	IS 5300:1969 Reviewed In : 2019 Reaffirmed but not taken up for revision ASA C29.4-1961	Specification for porcelain guy strain insulators		1	Modified/Technically Equivalent
40	IS 5350 (Part 1):1970 Reviewed In : 2019	Dimensions of indoor and outdoor porcelain post insulators and post insulator units for systems with nominal voltages greater than 1 000 V: Part 1 indoor post insulators		2	Indigenous
41	IS 5350 (Part	Dimensions of indoor and outdoor		-	Modified/Technically

	2):1973 Reviewed In : 2019 IEC Publication 273 (1968)	porcelain post insulators and post insulator units for systems with nominal voltage greater than 1 000 V: Part 2 outdoor cylindrical post insulators (First Revision)			Equivalent
42	IS 5350 (Part 3):1971 Reviewed In : 2019 IEC Publication 273 (1968)	Dimensions of indoor and outdoor porcelain post insulators and post insulator units for systems with nominal voltages greater than 1 000 V: Part 3 outdoor pedestal post insulators		3	Modified/Technically Equivalent
43	IS/IEC 60120:2020 IEC 60120:2020	Ball and socket couplings of string insulator units - Dimensions		-	Identical under single numbering
44	IS/IEC 60137:2017 Reviewed In : 2024 IEC 60137: 2017	Insulated Bushings for Alternating Voltages above 1 000 V	August, 2024	-	Identical under single numbering
45	IS/IEC 60168:2000 IEC 60168 : 2001 Reviewed In : 2024 IEC 60168 : 2000	Tests on indoor and outdoor post insulators of ceramic material or glass for systems with nominal voltages greater than 1 000 V	August, 2024	-	Identical under single numbering
46	IS/IEC 60273:1990 IEC 60273: 1990	Characteristic of indoor and outdoor post insulators for systems with nominal voltages greater than 1 000 V		-	Identical under single numbering
47	IS/IEC 60305:2021 IEC 60305:2021	Insulators for Overhead Lines with a Nominal Voltage Above 1 000 V - Ceramic or Glass Insulator Units for a.c. Systems - Characteristics of Insulator Units of the Cap and Pin Type (First Revision)		-	Identical under single numbering
48	IS/IEC 60372:2020 IEC 60372:2020	Locking devices for ball and socket couplings of string insulators units - Dimensions and tests (First Revision)		-	Identical under single numbering
49	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)		-	Identical under single numbering
50	IS/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		-	Identical under single numbering
51	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		-	Identical under single numbering
52	IS/IEC 60471:2020 IEC 60471:2020	Clevis and Tongue Couplings of String Insulator Units - Dimensions (First Revision)		-	Identical under single numbering
53	IS/IEC/TR 60575:1977 IEC TR 60575:1977	Thermal-mechanical performance test and mechanical performance test on string insulator units		-	Identical under single numbering
54	IS/IEC 60720:1981 IEC 60720:1981	Line Post Insulators - Characteristics		-	Identical under single numbering

55	IS/IEC 61211:2004 Reviewed In : 2024 IEC 61211:2004	Insulators of ceramic material or glass for overhead lines with a nominal voltage greater than 1 000 V - Impulse puncture testing in air	August, 2024	-	Identical under single numbering
56	IS/IEC TS 61245:2015 Reviewed In : 2024 IEC 61245: 2015	Artificial pollution tests on high - Voltage ceramic and glass insulators to be used on d.c. systems	August, 2024	1	Identical under single numbering
57	IS/IEC 61325:1995 IEC 61325:1995	Insulators for overhead lines with a nominal voltage above 1 000 V - Ceramic or glass insulator units for dc systems - Definitions test methods and acceptance criteria		-	Identical under single numbering
58	IS/IEC 61462:2023 IEC 61462: 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)		-	Identical under single numbering
59	IS/IEC TS 61463:2016 Reviewed In : 2024 61463-2016	Bushings - Seismic qualification	August, 2024	-	Identical under single numbering
60	IS/IEC TS 62073:2016 Reviewed In : 2024 IEC/TS 62073 : 2016	Guidance on the Measurement of Hydrophobicity of Insulator Surfaces	August, 2024	-	Identical under single numbering
61	IS/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	August, 2024	-	Identical under single numbering
62	IS/IEC TS 62371:2008 Reviewed In : 2024 62371:2008	Characteristics of hollow pressurised and unpressurised ceramic and glass insulators for use in electrical equipment with rated voltages greater than 1000 V	August, 2024	-	Identical under single numbering
63	IS/IEC 62896:2024 62896:2015	HYBRID INSULATORS FOR ac AND dc FOR HIGH-VOLTAGE APPLICATIONS GREATER THAN 1 000 V ac AND 1 500 V dc DEFINITIONS TEST METHODS AND ACCEPTANCE CRITERIA First Revision		-	Identical under single numbering
64	IS/IEC TS 62896:2015 62896:2015	Hybrid insulators for ac and dc for high-voltage applications - Definitions test methods and acceptance criteria		-	Identical under single numbering
65	IS/IEC/IEEE 65700-19-3:2014 Reviewed In : 2024 IEC/IEEE 65700 : Part 19 : Sec 3 : 2014	Bushing for DC Application	August, 2024	-	Identical under single numbering

66	IS 731:1971 Reviewed In : 2021 IEC Pub 274, BS 137 : Part I : 1970, Draft BS 137 : Part II : 1970	Specification for porcelain insulators for overhead power lines with a nominal voltage greater than 1 000 V (Second Revision)	June, 2021	7	Modified/Technically Equivalent
67	IS 7421:1988 Reviewed In : 2019 Reaffirmed but not taken up for revision	Specification for porcelain bushings for alternating voltages upto and including 1 000 V (First Revision)		-	Indigenous
68	IS 7648:1975 Reviewed In : 2019	Specification for silicone compounds for application on high voltage porcelain insulators		-	Indigenous
69	IS 7935:1975 Reviewed In : 2021	Specification for insulator fittings for overhead power lines with a nominal voltage up to and including 1 000 V	July, 2021	3	Indigenous
70	IS 8263:2024 IEC 60437 : 2023 IEC 60437 : 2023	Radio Interference Test on High- Voltage Insulators (Second Revision)		-	Identical under dual numbering
71	IS 8269:1976 Reviewed In : 2019 IEC Pub 506(1975)	Methods for switching impulse tests on high voltage insulators	April, 2019	-	Modified/Technically Equivalent
72	IS 8603:2008 Reviewed In : 2024	Dimensions for porcelain transformer bushings for use in heavily polluted atmospheres 12/17.5 kV, 24 kV and 36 kV (First Revision)	August, 2024	1	Indigenous
73	IS 8603 (Part 4):2003 Reviewed In : 2024	Dimensions for porcelain transformer bushings for use in heavily polluted atmospheres: Part 4 : 52 kV bushings	August, 2024	-	Indigenous
74	IS 8704:2018 IEC 60507 : 2013 Reviewed In : 2024 IEC 60507 : 2013	Artificial pollution test on highVoltage ceramic and glass insulators to be used on a.c. systems (Second Revision)	August, 2024	-	Identical under dual numbering
75	IS 8765:1978 Reviewed In : 2019 BS 1598:1964	Specification for ceramic insulating materials for electrical purposes	April, 2019	1	Modified/Technically Equivalent
76	IS 9431:2024 IEC 60660 :1999 IEC 60660 :1999	Indoor Post Insulators of Organic Material for Systems with Nominal Voltages Greater Than 1 000 V up to and Including 300 kV - Specification (First Revision)		-	Identical under dual numbering
77	IS/IEEE Std1523™:2018 IEEE 1523:2018	Guide for the Application Maintenance and Evaluation of Room Temperature Vulcanizing RTV Silicone Rubber Insulator Coatings		-	Identical under single numbering

Standards under Development

Projects Approved

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Preliminary Draft Standards

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Drafts Standards in WC Stage

SI. No.	Doc No.	Title
1	ETD 6 (28205)	APPLICATION OF POWER APPARATUS BUSHINGS - GUIDE
2	ETD 6 (32858)	CONDENSER BUSHINGS - DIMENSIONS AND REQUIREMENTS OF AIR TO OIL TYPE BUSHINGS WITH OIP OIL IMPREGNATED PAPER OR RIP RESIN IMPREGNATED PAPER OR RIS RESIN IMPREGNATED SYNTHETICS INSULATION SYSTEMS First Revision

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Finalized Draft Indian Standard

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	ETD 6 (06811)	Radio Interference test on High Voltage Insulators
2	ETD 6 (06812)	ARTIFICIAL POLLUTION TESTS ON HIGH-VOLTAGE CERAMIC AND GLASS INSULATORS TO BE USED ON A C SYSTEMS
3	ETD 6 (06813)	SELECTION AND DIMENSIONING OF HIGH-VOLTAGE INSULATORS INTENDED FOR USE INPOLLUTED CONDITIONS PART 1 DEFINITIONS INFORMATION AND GENERAL PRINCIPLES
4	ETD 6 (06814)	SELECTION AND DIMENSIONING OF HIGH-VOLTAGE INSULATORS INTENDED FOR USE IN POLLUTED CONDITIONS PART 2 CERAMIC AND GLASS INSULATORS FOR A C SYSTEMS
5	ETD 6 (06815)	SELECTION AND DIMENSIONING OF HIGH-VOLTAGE INSULATORS INTENDED FOR USE IN POLLUTED CONDITIONS PART 3 POLYMER INSULATORS FOR A C SYSTEMS
6	ETD 6 (06817)	POLYMERIC HV INSULATORS FOR INDOOR AND OUTDOOR USE GENERAL DEFINITIONS TEST METHODS AND ACCEPTANCE CRITERIA
7	ETD 6 (06818)	INSULATORS GLOSSARY OF TERMS AND DEFINITIONS
8	ETD 6 (06820)	GUIDANCE FOR PRODUCTION TESTING AND DIAGNOSTICS OF POLYMER INSULATORS WITH RESPECT TO BRITTLE FRACTURE OF CORE MATERIALS
9	ETD 6 (06821)	HV POLYMERIC INSULATORS FOR INDOOR AND OUTDOOR USE TRACKING AND EROSION TESTING BY WHEEL TEST AND 5 000H TEST
10	ETD 6 (06822)	Bushings for DC application
11	ETD 6 (06903)	Insulators for overhead lines - Composite and tension insulators for a c system with a nominal voltage greater than 1 000 V - Definitions test methods and acceptance criteria
12	ETD 6 (11162) Revision of: IS 2099:1986	Insulated bushings for alternating voltages above 1 000 V
13	ETD 6 (11163) Revision of: IS 2544:1973	Tests on indoor and outdoor post insulators of ceramic material or glass for systems with nominal voltages greater than 1 000 V
14	ETD 6 (11165)	Insulators for overhead lines with a nominal voltage above 1 000 V Ceramic or glass insulator units for ac systems Characteristics of insulator units of the cap and pin type
15	ETD 6 (11166)	Insulators for overhead lines with a nominal voltage above 1 000 V Part 1 Ceramic or glass insulator units for ac systems Definitions test methods and acceptance criteria
16	ETD 6 (11167)	Insulators for overhead lines with a nominal voltage above 1 000 V Part 2 Insulator strings and insulator sets for ac systems Definitions test methods and acceptance criteria
		Dimensions of clevis and tongue couplings of string insulator units

17	ETD 6 (11168)	
18	ETD 6 (11170) Revision of: IS 5350:1971	Characteristic of indoor and outdoor post insulators for systems with nominal voltages greater than 1000 V
19	ETD 6 (11172) Revision of: IS 5621:1980	Hollow pressurized and unpressurized ceramic and glass insulators for use in electrical equipment with rated voltages greater than 1 000 V
20	ETD 6 (11310)	Guide for the Application Maintenance and Evaluation of Room Temperature Vulcanizing RTV Silicone Rubber Insulator Coatings
21	ETD 6 (13097)	Artificial pollution Tests on High-Voltage Ceramic and Glass Insulators to be Used on DC Systems
22	ETD 6 (13098)	Guidance on the measurement of hydrophobicity of insulator surfaces
23	ETD 6 (17473) Revision of: IS 9431:1979	Indoor Post Insulators of Organic Material for Systems with Nominal Voltages Greater Than 1000 V UP to and Including 300 kV - Specification First Revision
24	ETD 6 (17475) Revision of: IS/IEC 60372:1984	Locking devices for ball and socket couplings of string insulators units - Dimensions and tests First Revision
25	ETD 6 (17477) Revision of: IS/IEC 60471:1977	Clevis and Tongue Couplings of String Insulator Units Dimensions First Revision
26	ETD 6 (17478)	Artificial pollution tests on high - Voltage ceramic and glass insulators to be used on d c systems Amendment - 1
27	ETD 6 (17551)	Ball and socket couplings of string insulator units - Dimensions
28	ETD 6 (17553) Revision of: IS/IEC 60305:1995	Insulators for overhead lines with a nominal voltage above 1000 V - Ceramic or glass insulator units for ac systems - Characteristics of insulator units of the cap and pin type
29	ETD 6 (17554)	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
30	ETD 6 (17556)	Line Post Insulators Characteristics
31	ETD 6 (17557)	Insulators of ceramic material or glass for overhead lines with a nominal voltage greater than 1 000 V - Impulse puncture testing in air
32	ETD 6 (17558)	Insulators for overhead lines with a nominal voltage above 1 000 V - Ceramic or glass insulator units for dc systems - Definitions test methods and acceptance criteria
33	ETD 6 (17559)	Composite hollow insulators - Pressurized and unpressurized insulators for use in electrical equipment with rated voltage greater than 1 000 V - Definitions test methods acceptance criteria and design recommendations
34	ETD 6 (18026)	Thermal-mechanical performance test and mechanical performance test on string insulator units
35	ETD 6 (18031)	Bushings - Seismic qualification
36	ETD 6 (18032)	Hybrid insulators for ac and dc for high-voltage applications - Definitions test methods and acceptance criteria
37	ETD 6 (18042)	Characteristics of hollow pressurised and unpressurised ceramic and glass insulators for use in electrical equipment with rated voltages greater than 1000 V
38	ETD 6 (18043)	High-Voltage Insulators Intended for use in Polluted Conditions Selection and Dimensioning Part 4 Insulators for d c Systems
39	ETD 6 (22898)	Dimensions for porcelain transformer bushings for use in heavily polluted atmospheres 12 17 5 kV 24 kV and 36 kV First Revision Amendment - 1
40	ETD 6 (24610) Revision of: IS/IEC 60383:1993	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
41	ETD 6 (24611) Revision of: IS/IEC 61462:2007	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
42	ETD 6 (25767) Revision of: IS 8263:2018	Radio Interference Test on High-Voltage Insulators Second Revision
43	ETD 6 (28207) Revision of: IS 16784:2018	INSULATORS FOR OVERHEAD LINES COMPOSITE SUSPENSION AND TENSION INSULATORS WITH a c VOLTAGE GREATER THAN 1 000 V AND d c VOLTAGE GREATER THAN 1 500 V DEFINITIONS TEST METHODS AND ACCEPTANCE CRITERIA First Revision
44	ETD 6 (28208) Revision of: IS/IEC TS 62896:2015	HYBRID INSULATORS FOR ac AND dc FOR HIGH-VOLTAGE APPLICATIONS GREATER THAN 1 000 V ac AND 1 500 V dc DEFINITIONS TEST METHODS AND ACCEPTANCE CRITERIA First Revision

Total Published Standards:63 Total Standards Under development:46

Aspect Wise Report

Product : 26
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

Sl. No.	IS No. & Year	Title
1	IS 1441:1989 Reviewed In : 2019	Insulator stalks for telegraph and telephone lines - Specification Second Revision
2	IS 2099:1986 Reviewed In : 2018	Bushings for alternating voltages above 1 000 Volts
3	IS 2544:1973 Reviewed In : 2016	Porcelain post insulators for systems with nominal voltage greater than 1000 V olts
4	IS 283:1976 Reviewed In : 2021	Specification for porcelain insulators for telegraph and telephone lines Third Revision
5	IS 3188:1980 Reviewed In : 2014	Characteristics Of String Insulator Units
6	IS 3347 (Part 6/Sec 1):1977 Reviewed In : 1989	Dimensions for porcelain transformer bushings for use in lightly polluted atmospheres Part 6 72 5 kV bushings Sec 1 Porcelain parts
7	IS 3347 (Part 6/Sec 2):1982 Reviewed In : 1988	Dimensions for porcelain transformer bushings for use in lightly polluted atmospheres Part 6 72 5 kV bushings Sec 2 Metal parts
8	IS 3347 (Part 7/Sec 1):1977 Reviewed In : 1989	Dimensions for porcelain transformer bushings for use in lightly polluted atmospheres Part 7 123 kV bushings Sec 1 Porcelain parts
9	IS 3347 (Part 7/Sec 2):1982 Reviewed In : 1988	Dimensions for porcelain transformer bushings for use in lightly polluted atmospheres Part 7 123 kV bushings Sec 2 Metal parts
10	IS 5621:1980 Reviewed In : 2014	Hollow insulators for use in electrical equipment
11	IS 8603 (Part 1):1977 Reviewed In : 2001	Dimensions for porcelain transformer bushings for use in heavily polluted atmospheres Part 1 12 kV and 17 5 kV bushings Amalgamating in IS 8603 2008
12	IS 8603 (Part 2):1977 Reviewed In : 2001	Dimensions for porcelain transformer bushings for use in heavily polluted atmospheres Part 2 24 kV buhsings Amalgamating in IS 8603 2008
13	IS 8603 (Part 3):1977 Reviewed In : 2001	Dimensions for porcelain transformer bushings for use in heavily polluted atmospheres Part 3 36 kV bushings amalgamating in IS 8063 2008

Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS 1445:1977 Reviewed In : 2019 Reaffirmed but not taken up for revision	Specification for porcelain insulators for overhead power lines with a nominal voltage up to and including 1 000 V Second Revision
2	IS 15137:2002 Reviewed In : 2024	Metal connecting lugs for porcelain transformer bushings - Specification
3	IS 16684:2018 IEC 62217 : 2012 Reviewed In : 2024 IEC 62217:2012	Polymeric HV Insulators for Indoor and Outdoor Use-General Definitions Test Methods and Acceptance Criteria
4	IS 2486 (Part 2):1989 Reviewed In : 2025	Insulator fittings for overhead power lines with nominal voltage greater than 1 000 V - Specification Part 2 dimensional requirements Second Revision
5	IS 2486 (Part 3):1974	Specification for insulator fittings for overhead power lines with a nominal voltage greater than 1

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6	IS 4318:1993 Reviewed In : 2018	Solid core porcelain insulators for overhead traction lines - Specification First Revision
7	IS 5300:1969 Reviewed In : 2019 Reaffirmed but not taken up for revision ASA C29.4-1961	Specification for porcelain guy strain insulators
8	IS/IEC 60137:2017 Reviewed In : 2024 IEC 60137: 2017	Insulated Bushings for Alternating Voltages above 1 000 V
9	IS/IEC 60273:1990 IEC 60273: 1990	Characteristic of indoor and outdoor post insulators for systems with nominal voltages greater than 1 000 V
10	IS/IEC 60305:2021	Insulators for Overhead Lines with a Nominal Voltage Above 1 000 V - Ceramic or Glass Insulator Units for a c Systems - Characteristics of Insulator Units of the Cap and Pin Type First Revision
11	IS/IEC 60372:2020	Locking devices for ball and socket couplings of string insulators units - Dimensions and tests First Revision
12	IS/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
13	IS/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
14	IS/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
15	IS/IEC 60720:1981	Line Post Insulators - Characteristics
16	IS/IEC 61462:2023 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
17	IS/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
18	IS/IEC TS 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
19	IS/IEC 62896:2024	HYBRID INSULATORS FOR ac AND dc FOR HIGH-VOLTAGE APPLICATIONS GREATER THAN 1 000 V ac AND 1 500 V dc DEFINITIONS TEST METHODS AND ACCEPTANCE CRITERIA First Revision
20	IS/IEC/IEEE 65700-19-3:2014 Reviewed In : 2024 IEC/IEEE 65700 : Part 19 : Sec 3 : 2014	Bushing for DC Application
21	IS 731:1971 Reviewed In : 2021 IEC Pub 274, BS 137 : Part I : 1970, Draft BS 137 : Part II : 1970	Specification for porcelain insulators for overhead power lines with a nominal voltage greater than 1 000 V Second Revision
22	IS 7421:1988 Reviewed In : 2019 Reaffirmed but not taken up for revision	Specification for porcelain bushings for alternating voltages upto and including 1 000 V First Revision
23	IS 7648:1975 Reviewed In : 2019	Specification for silicone compounds for application on high voltage porcelain insulators
24	IS 7935:1975 Reviewed In : 2021	Specification for insulator fittings for overhead power lines with a nominal voltage up to and including 1 000 V
25	IS 8765:1978 Reviewed In : 2019 BS 1598:1964	Specification for ceramic insulating materials for electrical purposes

26	IS 9431:2024 IEC 60660 :1999	Indoor Post Insulators of Organic Material for Systems with Nominal Voltages Greater Than 1 000 V up to and Including 300 kV - Specification First Revision
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