

<b>LIST OF IEC STANDARDS FOR PROJECTS IN ELECTRICAL POWER SYSTEMS</b>		
<b>SL NO.</b>	<b>NAME OF SPECIFICATION</b>	<b>IEC STANDARDS</b>
1	Instrument Transformer- Part-1:Current Transformer	<b>IEC-60044-1</b>
2	Voltage Transformer/Capacitive voltage transformer	<b>IEC-60186</b>
3	Common Specification for high voltage switchgear & controlgear equipments	<b>IEC-60694</b>
4	Insulated bushings for alternating voltages above 1000V	<b>IEC-60137</b>
5	Power Transformer-Part-1: General	<b>IEC-60076-1</b>
6	Power Transformer-Part-2: Temperature rise	<b>IEC-60076-2</b>
7	Power Transformer-Part-3:Insulation levels, dielectric tests and external clearances in air	<b>IEC-60076-3</b>
8	Power Transformer-Part-4:Guide to the lightning impulse and switching impulse testing-Power transformer and reactors	<b>IEC-60076-4</b>
9	Power transformers - Part-5:Ability to withstand short circuit	<b>IEC-60076-5</b>
10	Power transformers -Part-8: Application guide	<b>IEC-60076-8</b>
11	Power transformers -Part-10: Power transformers - Determination of sound levels	<b>IEC-60076-10</b>
12	Dry Type Power Transmformers	<b>IEC-60726</b>
13	Fluids for electrotechnical applications unued mineral insulating oils for transformer and switchgear	<b>IEC-60296</b>
14	Guide for the selection and dimensioning of high voltage insulators for polluted conditions	<b>IEC-60815</b>
15	Specification for Low-voltage Switchgear and Controlgear - Part 1 : General Rules	<b>IEC-60947-1</b>
16	Specification for Low-voltage Switchgear and Controlgear - Part 2 : Circuit Breakers	<b>IEC-60947-2</b>
17	Specification for Low-voltage Switchgear and Controlgear - Part 3 : Switches, Disconnectors, Switch Disconnectors and Fuse Combination Units	<b>IEC-60947-3</b>
18	Specification for Low-Voltage Switchgear and Controlgear - Part 4 : Contractors and Motor-Starters - Section 1 : Electromechanical Contactors and Motor Starters	<b>IEC-60947-4-1</b>
19	Low-Voltage Switchgear and Controlgear - Specification - Part 5 : Control Circuit Devices and Switching Elements - Section 1 : Electromechanical Control Circuit Devices	<b>IEC 60947-5-1</b>
20	Specification for Low-Voltage Switchgear and Controlgear Assemblies - Part 1 : Requirements for Type-Tested and Partially Type-Tested Assemblies	<b>IEC-60439-1</b>
21	Specification for Low-voltage Switchgear and Controlgear Assemblies - Part 2 : Particular Requirements for Busbar Trunking Systems (Busway	<b>IEC-60439-2</b>
22	Specification for Low-Voltage Switchgear and Controlgear Assemblies - Part 3 : Particular Requirements for Equipment Where Unskilled Persons have Access for Their Use	<b>IEC-60439-3</b>
23	Specification for Low-Voltage Switchgear and Controlgear Assemblies - Part 4 : Particular requirements for assemblies and construction sites	<b>IEC-60439-4</b>

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24	Specification for Low-Voltage Switchgear and Controlgear Assemblies - Part 5 : Particular requirements for assemblies intended to be installed outdoors in public places-Cable distribution cabinets for power distribution in network.	<b>IEC-60439-5</b>
25	Surge Arresters-Part-1: Non linear resistor type gapped surge arresters for a.c systems	<b>IEC-60099-1</b>
26	Surge Arresters-Part-4: Metal Oxide Surge Arresters without gap for A.C systems	<b>IEC-60099-4</b>
27	Surge Arresters-Part-6: Surge Arresters containing both series and parallel gapped structures-Rated 52 KV and less.	<b>IEC-60099-6</b>
28	A.C. metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52KV	<b>IEC-60298</b>
29	High voltage switchgear and controlgear: Part-100: High voltage alternating current circuit breakers	<b>IEC-62271-100</b>
30	High voltage switchgear and controlgear: Part-102: Alternating current disconnectors and earthing switches	<b>IEC-62271-102</b>
31	Characteristics of indoor and outdoor post insulators for systems with nominal voltage greater than 1000V	<b>IEC-60273</b>
32	Tap changers-Part-1: Performance requirements and test methods	<b>IEC-60214-1</b>
33	Tap changers-Part-2: Application guide	<b>IEC-60214-2</b>
34	Degrees of protection provided by enclosures (IP Code)	<b>IEC-60529</b>
35	Luminaires:Part-1: General requirements and tests	<b>IEC-60598-1</b>
36	Luminaires:Part-2: Particular requirements-Fixed general purpose luminaires	<b>IEC-60598-2</b>
37	Luminaires:Part-2-3: Particular requirements-Luminaires for road and street lighting	<b>IEC-60598-2-3</b>
38	Stationary lead-acid batteries - General requirements and methods of test. Part 11: Vented types	<b>IEC-60896-11</b>
39	Specification for thermoplastic-insulated lead sheathed cables for electric supply	<b>IEC-60228</b>
40	Specification for cables and flexible cords for electric power and lighting	<b>IEC-60227</b>
41	Environmental testing – Part 2-1: Tests – Test A: Cold	<b>IEC-60068-2-1</b>
42	Electrical relays	<b>IEC-60255</b>
43	Amendment 1 - Electrical measuring instruments - X-t recorders - Part 1: Definitions and requirements	<b>IEC-61143-1</b>
44	Electrical Relays: Part-13: Biased differential relays	<b>IEC-60255-13</b>
45	Power cables with extruded insulation and their accessories for rated voltages from 1KV( $U_m=1,2KV$ ) up to 30KV ( $U_m=3,6KV$ )-Part-1:Cables for rated voltages of 1KV and 3KV	<b>IEC-60502-1</b>
46	Power cables with extruded insulation and their accessories for rated voltages from 1KV( $U_m=1,2KV$ ) up to 30KV ( $U_m=3,6KV$ )-Part-2:Cables for rated voltages from 6KV upto 30KV	<b>IEC-60502-2</b>

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47	Power cables with extruded insulation and their accessories for rated voltages from 1KV( $U_m=1,2KV$ ) up to 30KV ( $U_m=3,6KV$ )-Part-4:Test requirements on accessories of cables with rated voltages from 6 KV upto 30KV	<b>IEC-60502-4</b>
48	Specification for reactors-General	<b>IEC-60289</b>
49	Functional safety of electrical/electronic/ programmable electronic safety-related systems –Part 2 - Requirements for Electrical - Electronic programmable electronic safety-related systems	<b>IEC-61508-2</b>
50	Cable tray systems and cable ladder systems for cable management	<b>IEC-61537</b>
51	Specification for PLC wave traps	<b>IEC-60953</b>
52	Programmable controllers –Part 1: General information	<b>IEC-61131-1</b>
53	Programmable controllers -Part 2 : Equipment requirements and tests	<b>IEC-61131-2</b>
54	Programmable controllers -Part 3 : Programming languages	<b>IEC-61131-3</b>
55	Programmable controllers -Part 4:User guidelines	<b>IEC-61131-4</b>
56	Programmable controllers -Part 5:Communications	<b>IEC-61131-5</b>
57	Programmable controllers -Part 7:Fuzzy control programming	<b>IEC-61131-7</b>
58	Programmable controllers -Part 8:Guidelines for the application and implementation of programming languages	<b>IEC-61131-8</b>
59	Industrial process control valves Part I : Control valve terminology and general considerations	<b>IEC-60534-1</b>
60	Industrial process control valves Part 2-1 :Flow-capacity - Sizing equations for fluid flow under installed conditions	<b>IEC-60534-2-1</b>
61	Industrial process control valves Part 2-3:Flow capacity – Test procedures	<b>IEC-60534-2-3</b>
62	Industrial process control valves Part 2-4:Flow capacity Section Four - Inherent flow characteristics and rangeability	<b>IEC-60534-2-4</b>
63	Industrial process control valves Part 2-5:Flow capacity –Sizing equations for fluid flow through multistage control valves with interstage recovery	<b>IEC-60534-2-5</b>
64	Industrial process control valves Part 3: Dimensions Section One - Face-to-face dimensions for flanged, two-way, globe-type control valves	<b>IEC-60534-3</b>
65	Industrial process control valves Part 3-1: Dimensions-Face-to-face dimensions for flanged, two-way, globe-type, straight pattern and centre-to-face dimensions for flanged, two-way, globe-type, angle pattern control valves	<b>IEC-60534-3-1</b>
66	dimensions for rotary control valves except butterfly valves	<b>IEC-60534-3-2</b>
67	Industrial process control valves Part 3-3: Dimensions –End-to-end dimensions for butt weld, two-way,	<b>IEC-60534-3-3</b>
68	Industrial process control valves Part 4:Inspection and routine testing	<b>IEC-60534-4</b>
69	Low-voltage fuses -Part 1:General requirements	<b>IEC-60629-1</b>

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70	Low-voltage fuses -Part 2-1: Supplementary requirements for fuses for use by authorised persons (fuses mainly for industrial application)- Sections I to VI: Examples the types of standardized fuses	<b>IEC-60629-2-1</b>
71	Part 2:Supplementary requirements for fuses for use by authorized persons(fuses mainly for industrial application)	<b>IEC-60629-2-2</b>
72	Part 4-1: Supplementary requirements for fuse-links for the protection of semiconductor devices –Sections I to III: Examples of types of standardized fuse-links	<b>IEC-60629-4-1</b>
73	Part 4: Supplementary requirements for fuse-links for the protection of semiconductor devices	<b>IEC-60629-4</b>
74	Hard drawn aluminium wire for overhead line conductors	<b>IEC 60889</b>
75	Round wire concentric laid overhead electrical conductors	<b>IEC 61089</b>
76	High-voltage test techniques-Part-1: General Definitions and test requirements	<b>IEC-60060-1</b>
77	High-voltage test techniques-Part-2: Test procedures	<b>IEC-60060-2</b>
78	High-voltage test techniques-Part-3: Measuring devices	<b>IEC-60060-3</b>
79	Specification for alternating-current circuit-breakers - Part 6: Guide to the testing of circuit-breakers with respect to the switching of cables on no-load	<b>IEC-60056-6</b>
80	Tests on indoor and outdoor post insulators of ceramic material or glass for systems with nominal voltages greater than 1 000 V	<b>IEC-60168</b>
81	Low pressure oil-filled cables and their accessories for nominal voltages up to 230/400KV	<b>IEC-60141-1</b>
82	Alluminium-magnesium-silicon alloy wire for overhead line and conductors	<b>IEC-60104</b>
83	Round wire concentric lay overhead electrical stranded conductors	<b>IEC-60189</b>
84	Functional safety –Safety instrumented systems for the process industry sector –Part 1:Framework, definitions, system,hardware and software requirements	<b>IEC-60511-1</b>
85	Functional safety –Safety instrumented systems for the process industry sector –Part 2: Guidelines for the application of IEC 61511-1	<b>IEC-61511-2</b>
86	Functional safety –Safety instrumented systems for the process industry sector –Part 3: Guidance for the determination of the required safety integrity levels	<b>IEC-61511-3</b>
87	Short-circuit currents in three-phase a.c. systems -Part 0: Calculation of currents	<b>IEC-60909-0</b>
88	Short-circuit currents in three-phase a.c. systems -Part 1:Factors for the calculation of short-circuit currents according to IEC 60909-0	<b>IEC-60909-1</b>
89	Electrical equipment - Data for short-circuit current calculations in accordance with IEC 909 (1988)	<b>IEC-60909-2</b>
90	Short-circuit currents in three-phase a.c. systems –Part 3: Currents during two separate simultaneous line-to-earth short circuits and partial shortcircuit currents flowing through earth	<b>IEC-60909-3</b>

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92	Optical fibres - Part 1-44: Measurement methods and test procedures- Cut-off wavelength	<b>IEC-60793-1-44</b>
93	Design criteria of overhead transmission lines	<b>IEC-60826</b>
94	Short circuit currents- Calculation of effects- Part-1: Definitions and calculation methods	<b>IEC-60865-1</b>
95	Short circuit currents- Calculation of effects- Part-2: Examples of calculation	<b>IEC-60865-2</b>
96	Thermocouples -Part 1 :Reference tables	<b>IEC-60584-1</b>
97	Thermocouples -Part 2: Tolerances	<b>IEC-60584-2</b>
98	Thermocouples -Part 3: Extension and compensating cables - Tolerances and identification system	<b>IEC-60584-3</b>
99	Alternating current disconnectors and earthing switches	<b>IEC-60129</b>
100	Electrical accessories –Circuit-breakers for overcurrent protectionfor household and similar installations –Part 1: Circuit-breakers for a.c. operation	<b>IEC-60898-1</b>
101	Switches for household and similar fixed-electrical installations – Part 1: General requirements	<b>IEC-60669-1</b>
102	Low-voltage electrical installations – Part 1: Fundamental principles, assessment of general characteristics, definitions	<b>IEC-60364-1</b>
103	Voltage measurement by means of standard air gaps	<b>IEC-60052</b>
104	Amendment 2 - Paper-insulated metal-sheathed cables for rated voltages up to 18/30 kV (with copper or aluminium conductors and excluding gas-pressure and oil-filled cables) - Part 2: General and construction requirements	<b>IEC-60055-2</b>
105	Paper-insulated metal-sheathed cables for rated voltages up to 18/30 kV (with copper or aluminium conductors and excluding gas-pressure and oil-filled cables) - Part 1: Tests on cables and their accessories	<b>IEC-60055-1</b>
106	Amendment to IEC 60702-2 Ed.2: Mineral insulated cables and their terminations with a rated voltage not exceeding 750 V - Part 2: Terminations	<b>IEC-60702-2</b>
107	Standard colours for insulation for low-frequency cables and wires	<b>IEC-60304</b>
108	Electric cables – Calculation of the current rating – Part 3-1: Sections on operating conditions – Reference operating conditions and selection of cable type	<b>IEC-60287-3-1</b>
109	Electric cables – Calculation of the current rating – Part 1-3: Current rating equations (100 % load factor) and calculation of losses – Current sharing between parallel single-core cables and calculation of circulating current losses	<b>IEC-60287-1-3</b>

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110	Electricity metering equipment (a.c.) – Particular requirements –Part 21:Static meters for active energy (classes 1 and 2)	<b>IEC-62053-21</b>
111	Artificial pollution tests on high-voltage insulators to be used on a.c. systems	<b>IEC-60507</b>
112	Specification for capacitors for power systems	<b>IEC-60070</b>
113	Basic and safety principles for man-machine interface, marking and identification –Coding principles for indicators and actuators	<b>IEC-60073</b>
114	Insulation coordination for equipment within low-voltage systems – Part 1: Principles, requirements and tests	<b>IEC-60664-1</b>
115	Electrical installations of buildings – Part 5-54:Selection and erection of electrical equipment –Earthing arrangements, protective conductors and protective bonding conductors	<b>IEC-60364-5-54</b>
116	Flammability of solid non-metallic materials when exposed to flame sources - List of test methods	<b>IEC-60707</b>
117	Guidelines for the checking and treatment of sulfur hexafluoride (SF6) taken from electrical equipment and specification for its re-use	<b>IEC-60480</b>
118	Conduits for electrical installations – Specification Part 1: General requirements	<b>IEC-60614-1</b>
119	Specification for conduits for electrical installations. Part 2: Particular specifications for conduits. Section One: Metal conduits	<b>IEC-60614-2-1</b>
120	Specification for conduits for electrical installations – Part 2-2: Particular specification for rigid plain conduits of insulating materials	<b>IEC-60614-2-2</b>
120	Insulation co-ordination – Part 1: Definitions, principales and rules	<b>IEC-60071-1</b>
121	Insulation co-ordination – Part 2: Application guide	<b>IEC-60071-2</b>