

BUREAU OF INDIAN STANDARDS

Program of Work

ETD 36 : Tools And Equipment For Live Working

Scope: To prepare standard on electrical and mechanical characteristics as well as reliability requirements for tools and equipment used in connections with work on energized electrical systems.

Liaison: **IEC TC-78 (O):** *Live working*

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 13771 : 2023 IEC 60895 : 2020 IEC 60895 : 2020	Live Working - Conductive Clothing (Second Revision)		-	Identical under dual numbering
2	IS 13772 : 2021 IEC 60900 : 2018 IEC 60900 : 2018	Live working Hand tools for use up to 1 000 V AC and 1 500 V DC (Second Revision)		-	Identical under dual numbering
3	IS 13773 : 2018 IEC 60984 : 2014 Reviewed In : 2024 IEC 60984 : 2014	Live working - Electrical insulating sleeves (First Revision)	May, 2024	-	Identical under dual numbering
4	IS 13774 : 2021 IEC 60903 : 2014 IEC 60903 : 2014	Live Working Gloves of Insulating Material (Second Revision)		-	Identical under dual numbering
5	IS 13961 (Part 1) : 2018 IEC 61832-1 : 2010 Reviewed In : 2024 IEC 60832-1 : 2010	Live working - Insulating Sticks and Attachable Devices- Part-1 : Insulating Sticks	May, 2024	-	Identical under dual numbering
6	IS 13961 (Part 2) : 2017 IEC 60832-2 : 2010 Reviewed In : 2024 IEC 60832-2 : 2010	Live working - Insulating sticks and attachable devices: Part 2 attachable devices (First Revision)	May, 2024	-	Identical under dual numbering
7	IS 14956 : 2014 IEC 61472:2004 Reviewed In : 2019 IEC 61472:2014	Live working - Minimum approach distances for a.c. systems in the voltage range 72.5 kV to 800 kV - A method of calculation (First Revision)	March, 2019	-	Identical under dual numbering
8	IS 14957 : 2021 IEC 61057 : 2017 IEC 61057 : 2017	Live Working Insulating Aerial Devices for Mounting on a Chassis (First Revision)		-	Identical under dual numbering
9	IS 14981 : 2001 IEC 61219 Reviewed In : 2024 IEC 61219 (1993)	Live working - Earthing or earthing and short - Circuiting equipment using lances as a short - Circuiting device - Lance earthing	April, 2024	-	Identical under dual numbering
10	IS 14993 : 2017 IEC 61236 : 2010	Live working - Saddles, stick clamps and their accessories (First	May, 2024	-	Modified/Technically Equivalent

	Reviewed In : 2024 IEC 61236 : 2010	Revision)			
11	IS 15405 (Part 1) : 2003 IEC 61482-1 Reviewed In : 2013 IEC 61482-1 (2002)	Live working - Flame - Resistant materials for clothing for thermal protection of workers - Thermal hazards of an electric arc: Part 1 test methods	November, 2013	-	Identical under dual numbering
12	IS 15416 : 2017 IEC 60743 : 2013 Reviewed In : 2022 IEC 60743 : 2013	Live working - Terminology for tools, devices and equipment (First Revision)	December, 2022	-	Identical under dual numbering
13	IS 16155 : 2023 IEC 61318: 2021 IEC 61318: 2021	Live Working Methods for Assessment of Defects And Verification of Performance Applicable To Tools Devices And Equipment (Second Revision)		-	Identical under dual numbering
14	IS 16167 (Part 1) : 2018 IEC 60855-1:2016 Reviewed In : 2024 IEC 60855-1 : 2016	Live working - Insulating foam - Filled tubes and solid rods: Part 1 tubes and rods of a circular cross - Sec (Second Revision)	May, 2024	-	Identical under dual numbering
15	IS 16619 (Part 1) : 2023 IEC 61243-1 : 2021 IEC 61243-1 : 2021	Live Working Voltage Detectors Part 1: Capacitive Type to Be Used For Voltages Exceeding 1 KV AC (First Revision)		-	Identical under dual numbering
16	IS 16619 (Part 2) : 2018 IEC 61243-2 : 1995	Live working - Voltage detectors: Part 2 resistive type to be used for voltages of 1 kV to 36 kV a.c.		-	Identical under dual numbering
17	IS 16619 (Part 3) : 2021 IEC 61243-3 : 2009 IEC 61243-3 : 2009	Live working - Voltage Detectors - Part 3 : Two-Pole Low Voltage Type		-	Identical under dual numbering
18	IS 16619 (Part 5) : 2021 IEC 61243-5 : 1997 IEC 61243-5 : 1997	Live working- voltages Detectors - Part 5 : Voltage Detecting Systems (VDS)		-	Identical under dual numbering
19	IS 16619 (Part 6) : 2021 IEC TR 61243-6 : 2017 IEC TR 61243-6 : 2017	Live working - Voltage detectors - Part 6: Guidelines on non-contact voltage detectors NCVD for use at nominal voltages above 1 kV ac		-	Identical under dual numbering
20	IS 16622 : 2019 IEC 61235 : 1993 IEC 61235 : 1993	Live working - Insulating hollow tubes for electrical purposes		-	Identical under dual numbering
21	IS 16624 : 2017 IEC 61230 : 2008 Reviewed In : 2024 IEC 61230 : 2008	Live working - Portable equipment for earthing or earthing and short - Circuiting	April, 2024	-	Identical under dual numbering
22	IS 16631 : 2023 IEC TR 61328 : 2017 IEC TR 61328 : 2017	Live Working Guidelines For The Installation of Transmission And Distribution Line Conductors And Earth Wires Stringing Equipment And Accessory Items (First Revision)		-	Identical under dual numbering
23	IS 17674 : 2021 IEC TR 62263 : 2005	Live working Guidelines for the installation and maintenance of optical fibre cables on overhead		-	Identical under dual numbering

	IEC TR 62263 : 2005	power lines			
24	IS 18320 : 2023 IEC 61112 : 2009 IEC 61112 : 2009	Live Working - Electrical Insulating Blankets		-	Identical under dual numbering
25	IS 18341 : 2023 IEC 61229 : 2002 (Ed 1.2) IEC 61229 : 2002 (Ed 1.2)	Rigid Protective Covers for Live Working on A.C. Installation		-	Identical under dual numbering
26	IS 18504 : 2024 62192:2009 62192:2009	Live working Insulating ropes		-	Identical under dual numbering
27	IS 18506 : 2024 61478:2003 61478:2003	Live Working Ladders of Insulating Material		-	Identical under dual numbering
28	IS 18515 : 2024 62193:2003 62193:2003	Live working Telescopic sticks and Telescopic measuring sticks		-	Identical under dual 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
<i>No Records Found</i>		

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
<i>No Records Found</i>		

Total Published Standards:23 Total Standards Under development:0

Aspect Wise Report

Product : 17

Code of Practices : 2
Methods of Test : 3
Terminology : 1
Dimensions : 0
System Standard : 0
Safety Standard : 4
Others : 1
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

Sl. No.	IS No. & Year	Title
1	IS 13770 : 1993 IEC 60855 Reviewed In : 2009 IEC 60855	Insulating foam-filled tubes and solid rods for live working
2	IS 13961 : 1994 IEC 60832-2 : 2010 Reviewed In : 2014 IEC 60832 : 1988	Insulating Poles Insulating Sticks Universal Tool Attachment Fittings for Live Working
3	IS 13985 : 1994 Reviewed In : 1999	Terminology for tools and equipment to be used in live working
4	IS 14994 : 2001 IEC 61318 Reviewed In : 2011	Design and construction of floor and roof with precast reinforced concrete planks and joists - Code of practice
5	IS 15407 : 2003 IEC 61278 Reviewed In : 2013 IEC 61278 : 1997	Live working - Guidelines for dielectric testing of tools and equipment

Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS 13772 : 2021 IEC 60900 : 2018 ISO 18692-1 : 2018	Live working Hand tools for use up to 1 000 V AC and 1 500 V DC Second Revision
2	IS 13773 : 2018 IEC 60984 : 2014 Reviewed In : 2024 IEC 60984 : 2014	Live working - Electrical insulating sleeves First Revision
3	IS 13774 : 2021 IEC 60903 : 2014 ISO/IEC 18000-61:201	Live Working Gloves of Insulating Material Second Revision
4	IS 13961 (Part 1) : 2018 IEC 61832-1 : 2010 Reviewed In : 2024 20761 : 2018	Live working - Insulating Sticks and Attachable Devices- Part-1 Insulating Sticks
5	IS 13961 (Part 2) : 2017 IEC 60832-2 : 2010 Reviewed In : 2024 IEC 60832-2 : 2010	Live working - Insulating sticks and attachable devices Part 2 attachable devices First Revision
6	IS 14957 : 2021 IEC 61057 : 2017 ISO 8102-1:2020	Live Working Insulating Aerial Devices for Mounting on a Chassis First Revision
7	IS 14981 : 2001 IEC 61219	Live working - Earthing or earthing and short - Circuiting equipment using lances as a short - Circuiting device - Lance earthing

	Reviewed In : 2024 IEC 61219 (1993)	
8	IS 14993 : 2017 IEC 61236 : 2010 Reviewed In : 2024 IEC 61236 : 2010	Live working - Saddles stick clamps and their accessories First Revision
9	IS 16619 (Part 2) : 2018 IEC 61243-2 : 1995	Live working - Voltage detectors Part 2 resistive type to be used for voltages of 1 kV to 36 kV a c
10	IS 16619 (Part 3) : 2021 IEC 61243-3 : 2009 ISO 13611	Live working - Voltage Detectors - Part 3 Two-Pole Low Voltage Type
11	IS 16619 (Part 5) : 2021 IEC 61243-5 : 1997 ISO 11318:2002	Live working- voltages Detectors - Part 5 Voltage Detecting Systems VDS
12	IS 16622 : 2019 IEC 61235 : 1993 IEC 61235 : 1993	Live working - Insulating hollow tubes for electrical purposes
13	IS 18320 : 2023 IEC 61112 : 2009	Live Working - Electrical Insulating Blankets
14	IS 18341 : 2023 IEC 61229 : 2002 (Ed 1.2)	Rigid Protective Covers for Live Working on A C Installation
15	IS 18504 : 2024 62192:2009	Live working Insulating ropes
16	IS 18506 : 2024 61478:2003	Live Working Ladders of Insulating Material
17	IS 18515 : 2024 62193:2003	Live working Telescopic sticks and Telescopic measuring sticks