

# BUREAU OF INDIAN STANDARDS

## Program of Work

### LITD 11 : Fibre Optics, Fibers, Cables And Devices

**Scope:** To prepare Indian Standard for fibre optics systems and associated components and devices intended for use with communications equipment and devices employing similar techniques

**Liaison:** **IEC TC-86 (P): Fibre optics IEC TC-86 SC-86A (P): Fibres and cables IEC TC-86 SC-86B (P): Fibre optic interconnecting devices and passive components IEC TC-86 SC-86C (O): Fibre optic systems and active devices IEC TC-86 (P): Terminology and symbology ISO TC-86 (P): Fibre optic test equipment calibration IEC TC-86 (P): Quantum Optical Interconnects IEC TC-86 (P): Optical functionality for electronic assemblies IEC TC-SC-SC 86 A (P): Fibres and associated measuring methods IEC TC- SC-SC 86 A (P): CABLES IEC TC- SC-SC 86 B (P): Standard tests and measurement methods for fibre optic interconnecting devices and passive components IEC TC- SC-SC 86 B (P): Standards and specifications for fibre optic interconnecting devices and related components IEC TC- SC-SC 86 B (P): Standards and specifications for fibre optic passive components IEC TC- SC-SC 86 B (P): Terminated Cable Assemblies IEC TC- SC-SC 86 C (O): Fibre optic communications systems and sub-systems IEC TC- SC-SC 86 C (O): Optical amplifiers and dynamic modules IEC TC- SC-SC 86 C (O): Fibre optic active devices including optoelectronic devices IEC TC- SC-SC 86 C (O): Fibre optic sensors IEC TC-86 (P): Fibre optics IEC TC-86 SC-86 (P): Fibres and cables IEC TC-86 SC-86 (P): Fibre optic interconnecting devices and passive components IEC TC-86 SC-86 (O): Fibre optic systems and active devices IEC TC-86 (P): Terminology and symbology ISO TC-86 (P): Fibre optic test equipment calibration IEC TC-86 (P): Quantum Optical Interconnects IEC TC-86 (P): Optical functionality for electronic assemblies IEC TC- SC-86 (P): Fibres and associated measuring methods IEC TC- SC-86 (P): CABLES IEC TC- SC-86 (P): Standard tests and measurement methods for fibre optic interconnecting devices and passive components IEC TC- SC-86 (P): Standards and specifications for fibre optic interconnecting devices and related components IEC TC- SC-86 (P): Standards and specifications for fibre optic passive components IEC TC- SC-86 (P): Terminated Cable Assemblies IEC TC- SC-86 (O): Fibre optic communications systems and sub-systems IEC TC- SC-86 (O): Optical amplifiers and dynamic modules IEC TC- SC-86 (O): Fibre optic active devices including optoelectronic devices IEC TC- SC-86 (O): Fibre optic sensors**

## Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 14624 (Part 2):2025 IEC 60825-2:2021 <b>IEC 60825-2:2021</b>	Safety of laser products Part 2: Safety of optical fibre communication systems OFCSs (Second Revision)		-	Identical under dual numbering
2	IS 14976:2025 <b>IEC 61315: 2005</b>	Calibration of fibre - Optic power meters Second Revision		-	Identical under dual numbering
3	IS 15077 (Part	Semiconductor Optoelectronic	July, 2022	1	Identical under dual

	1):2019 IEC 62007 - 1 : 2015 IEC 62007 : 2015	Devices for Fibre Optic System Applications Part 1 Specification Template for Essential Ratings and Characteristics ( Second Revision ) Amendment - 1			numbering
4	IS 15077 (Part 2):2012 IEC IEC 62007-2: 2009	Semiconductor optoelectronic devices for fibre optic system applications: Part 2 measuring methods (First Revision)	September, 2024	-	Identical under dual numbering
5	IS 15480:2021 IEC 60869-1: 2012 IEC 60869-1: 2018	FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS FIBRE OPTIC PASSIVE POWER CONTROL DEVICES PART 1: GENERIC SPECIFICATION FIRST REVISION	February, 2024	-	Identical under dual numbering
6	IS 16180 (Part 1):2014 IEC IEC 61754-1: 2013	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces: Part 1 general and guidance	November, 2023	-	Identical under dual numbering
7	IS 16180 (Part 13):2025 IEC 61754-13: 2006	Fibre optic connector interfaces Part 13: Type FC-PC connector First Revision		-	Identical under dual numbering
8	IS 16180 (Part 13):2018 IEC 61754-13 : 2006 IEC 61754-13: 2006	Fibre optic connector interfaces Part 13: Type FC-PC connector First Revision	November, 2021	-	Identical under dual numbering
9	IS 16282:2014 IEC 61930 : 1998 IEC 61930 : 1998	Fibre Optic Graphical Symbology	September, 2023	-	Identical under dual numbering
10	IS 16283:2014 IEC 61931 : 1998 IEC 61931 : 1998	Fibre Optic Terminology	November, 2023	-	Identical under dual numbering
11	IS 16285:2020 IEC 61745 : 2017 IEC 61745 : 1998	End-face Image Analysis Procedure for the Calibration of Optical Fibre Geometry Test Sets ( First Revision )	July, 2023	-	Identical under dual numbering
12	IS 16438 (Part 2/Section 1):2019 IEC 61753-2-1 : 2000 IEC 61753-2-1 : 2000	Fibre Optic Interconnecting Devices and Passive Components Performance Standard Part 2 Fibre Optic Connectors Terminated on Single-Mode Fibre for Category U Section 1 Uncontrolled environment	-	-	Identical under dual numbering
13	IS 16438:2021 IEC 61753-1: 2020 IEC 61753-1: 2020	Fibre optic interconnecting devices and passive components Performance standard Part 1: General and guidance First Revision	February, 2024	-	Identical under dual numbering
14	IS 16607:2018 IEC 62614 : 2010 IEC 62614 : 2010	Fibre Optics "Launch Condition Requirements for Measuring Multimode Attenuation	October, 2024	-	Identical under dual numbering
15	IS 16625 (Part 1):2018 IEC 62496-1 : 2008 IEC 62496-1 : 2008	Optical Circuit Boards Part 1 General	November, 2024	-	Identical under dual numbering
16	IS 16939:2018	Optical Fibre Cables for Inside Premises ( FTTx ) Application	June, 2024	-	Indigenous

17	IS/IEC 60793-1-51):2014 IEC 60793-1-51 : 2014 IEC 60793-1-51 :2014	Optical fibres: Part 1 measurement methods and test procedures: Sec 51 dry heat (Steady State) tests (First Revision)	June, 2024	-	Identical under single numbering
18	IS/IEC 60793-1-1):2022 IEC 60793-1-1:2022 IEC 60793-1-1:2022	Optical fibres Part 1 Measurement Methods and Test Procedures Section 1 General and Guidance (Second Revision)		-	Identical under single numbering
19	IS/IEC 60793-1-30):2010 IEC IEC 60793-1-30: 2010	Optical fibres: Part 1 measurement methods and test procedures: Sec 30 fibre proof test	April, 2022	-	Identical under single numbering
20	IS/IEC 60793-1-31):2010 IEC IEC 60793-1-31: 2010	Optical fibres: Part 1 measurement methods and test procedures: Sec 31 tensile strength	April, 2022	-	Identical under single numbering
21	IS/IEC 60793-1-33):2017 IEC 60793-1-33 : 2017 IEC 60793-1-33: 2017	Optical Fibres Part 1 Measurement Methods and Test Procedures Section 33 Stress corrosion susceptibility ( First Revision )	June, 2022	-	Identical under single numbering
22	IS/IEC 60793-1-34):2006 IEC 60793-1-34: 2006	Optical fibres: Part 1 measurement methods and test procedures: Sec 34 fibre curl	May, 2022	-	Identical under single numbering
23	IS/IEC 60793-1-40):2001 IEC 60793-1-40: 2001	Optical fibres: Part 1 measurement methods and test procedures: Sec 40 attenuation	April, 2019	-	Identical under single numbering
24	IS/IEC 60793-1-41):2010 IEC 60793-1-41: 2010	Optical fibres: Part 1 measurement methods and test procedures: Sec 41 bandwidth	April, 2022	-	Identical under single numbering
25	IS/IEC 60793-1-42):2013 IEC 60793-1-42 : 2013 IEC 60793-1-42:2013	Erro	April, 2022	-	Identical under single numbering
26	IS/IEC 60793-1-43):2015 IEC 60793-1-43 : 2015 IEC 60793-1-43:2015	Optical fibres: Part 1 measurement methods and test procedures: Sec 43 numerical aperture measurement (First Revision)	January, 2025	-	Identical under single numbering
27	IS/IEC 60793-1-45):2017 IEC 60793-1-45 : 2017 IEC 60793-1-45: 2017	Optical Fibres Part 1 Measurement Methods and Test Procedures Section 45 Mode field diameter ( First Revision )	February, 2023	-	Identical under single numbering
28	IS/IEC	Optical fibres: Part 1 measurement	April, 2022	-	Identical under single

	60793-1-46):2001 IEC 60793-1-46:2001	methods and test procedures: Sec 46 monitoring of changes in optical transmittance			numbering
29	IS/IEC 60793-1-47):2017 IEC 60793-1-47 : 2017 IEC 60793-1-47: 2017	Optical Fibres Part 1 Measurement Methods and Test Procedures Section 47 Macrobending loss ( First Revision )	December, 2022	-	Identical under single numbering
30	IS/IEC 60793-1-48):2017 IEC 60793-1-48 : 2017 IEC 60793-1-48: 2017	Optical Fibres Part 1 Measurement Methods and Test Procedures Section 48 Polarization mode Dispersion ( First Revision )	December, 2022	-	Identical under single numbering
31	IS/IEC 60793-1-49):2006 IEC 60793-1-49: 2006	Optical fibres: Part 1 measurement methods and test procedures: Sec 49 differential mode delay	April, 2019	-	Identical under single numbering
32	IS/IEC 60793-1-54):2018 IEC 60793-1-54 : 2018 IEC 60793-1-54: 2018	Optical fibres: Part 1 measurement methods and test procedures: Sec 54 gamma irradiation (First Revision)	August, 2022	-	Identical under single numbering
33	IS/IEC 60793-1-41):2024 IEC 60793-1-41: 2010	Optical fibres Part 1 Measurement Methods and Test Procedures Section 41 Bandwidth first Revision		-	Identical under single numbering
34	IS/IEC 60793-1-34):2021 IEC 60793-1-34: 2006	Optical fibres Optical fibres: Part 1 measurement methods and test procedures: Sec 34 fibre curl first Revision		-	Identical under single numbering
35	IS/IEC 60793-1-32):2018 IEC 60793-1-32: 2010	Optical fibres: Part 1 measurement methods and test procedures: Sec 32 coating strippability first Revision		-	Identical under single numbering
36	IS/IEC 60793-1-31):2019 IEC 60793-1-31: 2010	Optical fibres: Part 1 measurement methods and test procedures: Sec 31 tensile strength First Revision		-	Identical under single numbering
37	IS/IEC 60793-1-32):2010 IEC IEC 60793-1-32: 2010	Optical fibres: Part 1 measurement methods and test procedures: Sec 32 coating strippABILITY	June, 2022	-	Identical under single numbering
38	IS/IEC 60793-1-50):2014 IEC 60793-1-50 : 2014 IEC 60793-1-50:2014	Optical Fibres Part 1 Measurement Methods and Test Procedures Section 50 Damp heat (steady state) tests	July, 2022	-	Identical under single numbering
39	IS/IEC 60793-1-44):2011 IEC IEC 60793-1-44: 2011	Optical fibres: Part 1 measurement methods and test procedures: Sec 44 cut - Off wavelength	July, 2022	-	Identical under single numbering
40	IS/IEC 60793-1-22):2024	Optical fibres Part 1-22: Measurement methods and test		-	Identical under single numbering

	IEC 60793-1-22:2001	procedures - Length measurement First Revision			
41	IS/IEC 60793-1-20):2014 IEC 60793-1-20:2014	Optical fibres: Part 1 measurement methods and test procedures: Sec 20 fibre geometry (First Revision) Amendment - 1	March, 2018	1	Identical under single numbering
42	IS/IEC 60793-1-20):2014 IEC 60793-1-20 : 2014 IEC 60793-1-20:2014	Optical fibres: Part 1 measurement methods and test procedures: Sec 20 fibre geometry (First Revision) Amendment - 1	September, 2022	1	Identical under single numbering
43	IS/IEC 60793-1-53):2014 IEC 60793-1-53 : 2014 IEC 60793-1-53 : 2014	Optical fibres: Part 1 measurement methods and test procedures: Sec 53 water immersion tests (First Revision)	August, 2024	-	Identical under single numbering
44	IS/IEC 60793-1-52):2014 IEC 60793-1-52 : 2014 IEC 60793-1-52 : 2014	Optical fibres: Part 1 measurement methods and test procedures: Sec 52 change of temperature tests (First Revision)	June, 2024	-	Identical under single numbering
45	IS/IEC 60793-1-21):2001 IEC 60793-1-21:2001	Optical fibres: Part 1 measurement methods and test procedures: Sec 21 coating geometry	December, 2024	-	Identical under single numbering
46	IS/IEC 60793-2-60):2008 IEC 60793-2-60:2008	Optical fibres: Part 2 product specifications: Sec 60: Secal specification for category c single - Mode intraconnection fibres	May, 2024	-	Identical under single numbering
47	IS/IEC 60793-1-46):2024 IEC 60793-1-46:2001	Optical fibres: Part 1 measurement methods and test procedures: Sec 46 monitoring of changes in optical transmittance first Revision		-	Identical under single numbering
48	IS/IEC 60793-1-45):2024 IEC 60793-1-45:2017	Optical Fibres Part 1 Measurement Methods and Test Procedures Section 45 Mode field diameter Second Revision		-	Identical under single numbering
49	IS/IEC 60793-1-44):2023 IEC 60793-1-44:2011	Optical fibres: Part 1 measurement methods and test procedures: Sec 44 cut - Off wavelength first Revision		-	Identical under single numbering
50	IS/IEC 60794-2-10):2023 IEC 60794-2-10:2023 IEC 60794-2-10:2023	Optical Fibre Cables Part 2 Indoor Optical Fibre Cables Section 10 Family specification for simplex and duplex cables (First Revision)		-	Identical under single numbering
51	IS/IEC 60794-1-1):2023 IEC 60794-1-1:2023 IEC 60794-1-1:2023	Optical Fibre Cables Part 1 Generic Specification Section 1 General (Second Revision)		-	Identical under single numbering
52	IS/IEC 60794-3-10):2015 IEC 60794-3-10:2015	Optical Fibre Cables Part 3 Outdoor cables Section 10 Family specification for duct directly buried or lashed aerial optical	November, 2024	-	Identical under single numbering

	IEC 60794-3-10:2015	telecommunication cables			
53	IS/IEC 60794-3-30):2008 IEC 60794-3-30 : 2008 IEC 60794-3-30 : 2008	Optical Fibre Cables Part 3 Outdoor Cables Section 30 Family specification for optical telecommunication cables for lakes, river crossings and coastal applications	May, 2024	-	Identical under dual numbering
54	IS/IEC 60794-2:2017 IEC 60794-2: 2017 IEC 60794-2: 2017	Optical fibre cables Part 2 Indoor cables Sectional specification First Revision	February, 2024	-	Identical under single numbering
55	IS/IEC 60794-3-21):2015 IS/IEC 60794-3-21:2015 IS/IEC 60794-3-21:2015	OPTICAL FIBRE CABLES PART 3 OUTDOOR CABLES SECTION 21 PRODUCT SPECIFICATION FOR OPTICAL SELF-SUPPORTING AERIAL TELECOMMUNICATION CABLES FOR USE IN PREMISES CABLING	July, 2024	-	Identical under single numbering
56	IS/IEC 60794-4-20):2018 IEC 60794-4-20: 2018 IEC 60794-4-20: 2018	Optical Fibre Cables Part 4 Sectional specification Section 20 Aerial optical cables along electrical power lines Family specification for ADSS all dielectric self-supported optical cables	December, 2024	-	Identical under single numbering
57	IS/IEC 60794-3-11):2010 IEC 60794-3-11: 2010 IEC 60794-3-11: 2010	Optical Fibre Cables Part 3 Outdoor cables Section 11 Product specification for duct directly buried and lashed Aerial single-mode optical fibre telecommunication cables	November, 2024	-	Identical under single numbering
58	IS/IEC 60794-2-11):2020 IEC 60794-2-11: 2020 IEC 60794-2-11: 2020	Optical fibre cables Part 2 Indoor cables Section 11 Detailed specification for simplex and duplex cables for use in premises cabling First Revision	February, 2024	-	Identical under single numbering
59	IS/IEC 60794-1-2:2021 IEC 60794-1-2:2021 IEC 60794-1-2:2021	Optical Fibre Cables Part 1 Generic Specification Section 2 Basic optical cable test procedures - General guidance (Second Revision)		-	Identical under single numbering
60	IS/IEC 60874-1:2011 IEC 60874-1 : 2011  Decision taken to Reaffirm and Archive IEC 60874-1 : 2011	Fibre Optic Interconnecting Devices and Passive Components "µ" Connectors for Optical Fibres and Cables Part 1 Generic Specification	August, 2024	-	Identical under dual numbering
61	IS/IEC 60875-1:2024 IEC 60875-1 :2015	Fibre optic interconnecting devices and passive components Non-wavelength-selective fibre optic branching devices Part 1: Generic specification First Revision		-	Identical under single numbering
62	IS/IEC 60875-1:2015	Fibre optic interconnecting devices and passive components - Non -	August, 2021	-	Identical under single numbering

	IEC 60875-1 : 2015 IEC 60875-1 :2015	Wavelength - Select4e fibre optic branching devices: Part 1 generic specification			
63	IS/IEC 60876-1:2014 IEC 60876-1: 2014	Fibre optic interconnecting devices and pass4e components - Fibre optic spatial switches: Part 1 generic specification (First Revision)	September, 2024	-	Identical under single numbering
64	IS/IEC 61744:2023 IEC 61744: 2005	Calibration of Fibre Optic Chromatic Dispersion Test Sets First Revision		-	Identical under single numbering
65	IS/IEC 61746:2005 IEC 61746 : 2010	CALIBRATION OF OPTICAL TIME-DOMAIN REFLECTOMETERS(OTDR)	April, 2021	-	Identical under single numbering
66	IS/IEC 61746-1:2009 IEC 61746 : 2010	Calibration of Optical Time-Domain Reflectometers OTDR First Revision		-	Identical under single numbering
67	IS/IEC 61746-2:2010 IEC 61746 : 2010 IEC 61746-2: 2010	Calibration of optical time-domain reflectometers (OTDR) Part 2 OTDR for multimode fibres	April, 2021	-	Identical under single numbering
68	IS/IEC 61757:2018 IEC 61757 : 2018 IEC 61757: 2018	Fibre Optic Sensors - Generic Specification	July, 2023	-	Identical under single numbering
69	IS/IEC/TR 62283:2010 IEC 62283 : 2010 IEC 62283 : 2010	Optical Fibres â€” Guidance for Nuclear Radiation Test	October, 2024	-	Identical under single numbering
70	IS/IEC 62538:2008 IEC 62538 : 2008 IEC 62538 : 2008	Categorization of Optical Devices	June, 2024	-	Identical under single numbering
71	IS/IEC/TR 62572-2:2008 IEC/TR 62572-2 : 2008 IEC/TR 62572-2 : 2008	Fibre Optic Active Components and Devices - Reliability Standards Part 2 Laser Module Degradation	June, 2021	-	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
<i>No Records Found</i>		

#### Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
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No Records Found

### Finalized Draft Indian Standard

Sl. No.	Doc No.	Title
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No Records Found

### Finalized Draft Indian Standards under Print

Sl. No.	Doc No.	Title
1	LITD 11 (03400)	Optical Circuit Board Part-1 General
2	LITD 11 (03401)	Categorization of Optical devices
3	LITD 11 (03402)	Fibre optics - Launch condition requirements for measuring multimode attenuation
4	LITD 11 (03404)	Optical fibre cables - Part 3 Outdoor cables - Section 30 Family specification for optical telecommunication cables for Lakes River crossing and Coasted application
5	LITD 11 (03408)	Optical fibres Guidance for nuclear radiation tests
6	LITD 11 (03216)	CALIBRATION OF FIBRE OPTIC CHROMATIC DISPERSION TEST SETS
7	LITD 11 (03346)	Calibration of optical Time Domain Reflectometers OTDR Part 2 OTDR FOR multi mode fibres
8	LITD 11 (03347)	Fibre Optic Active components and devices reliability standards Part 2 Laser Module degradation
9	LITD 11 (03350)	Fibre optic interconnecting devices and passive components Fibre optic connector interfaces Part 2 Fibre optic connector terminated on single - mode fibre for category U Section 1 Uncontrolled Environment
10	LITD 11 (03352)	Fibre Optic Connector Interfaces Part 13 Type FC-PC Connector
11	LITD 11 (03363)	Optical Fibre Cables Part 2 Indoor Optical Fibre Cables Section 10 Family Specification for simplex and Duplex Cables
12	LITD 11 (03364)	Optical Fibre Cables Part 2 Indoor Optical Fibre Cables Section 11 Detailed Specification for simplex and Duplex Cables for use in Premises Cabling
13	LITD 11 (10336)	Optical Fibre cables for Inside Premises FTTX Application
14	LITD 11 (10337)	Fibre Optic Cable for Cable TV Application
15	LITD 11 (11193) Revision of: IS/IEC 60793:2013	OPTICAL FIBRES PART 1 MEASUREMENT METHODS AND TEST PROCEDURES SECTION 42 CHROMATIC DISPERSION
16	LITD 11 (11194) Revision of: IS/IEC 60793:2015	OPTICAL FIBRES PART 1 MEASUREMENT METHODS AND TEST PROCEDURES SECTION 43 NUMERICAL APERTURE MEASUREMENT
17	LITD 11 (11195) Revision of: IS/IEC 60793:2014	OPTICAL FIBRES PART 1 MEASUREMENT METHODS AND TEST PROCEDURES Section 50 Damp heat steady state tests
18	LITD 11 (11196) Revision of: IS/IEC 60793:2014	OPTICAL FIBRES PART 1 MEASUREMENT METHODS AND TEST PROCEDURES Section 51 Dry heat steady state tests
19	LITD 11 (11197) Revision of: IS/IEC 60793:2014	OPTICAL FIBRES PART 1 MEASUREMENT METHODS AND TEST PROCEDURES Section 52 Change of temperature tests
20	LITD 11 (11198) Revision of: IS/IEC 60793:2014	OPTICAL FIBRES PART 1 MEASUREMENT METHODS AND TEST PROCEDURES Section 53 Water immersion tests
21	LITD 11 (11199)	FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS NON-WAVELENGTHSELECTIVE FIBRE OPTIC BRANCHING DEVICES PART 1 GENERIC SPECIFICATION
22	LITD 11 (11200)	OPTICAL FIBRE CABLES PART 3 OUTDOOR CABLES SECTION 21 PRODUCT SPECIFICATION FOR OPTICAL SELF-SUPPORTING AERIAL TELECOMMUNICATION CABLES FOR USE IN PREMISES CABLING
23	LITD 11 (12240) Revision of: IS 15077:2019	SEMICONDUCTOR OPTOELECTRONIC DEVICES FOR FIBRE OPTIC SYSTEM APPLICATIONS PART 1 SPECIFICATION TEMPLATE FOR ESSENTIAL RATINGS AND CHARACTERISTICS SECOND REVISION
24	LITD 11 (12241) Revision of: IS 15480:2018	FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS FIBRE OPTIC PASSIVE POWER CONTROL DEVICES PART 1 GENERIC SPECIFICATION FIRST REVISION
25	LITD 11 (12242) Revision of: IS/IEC 60793:2017	OPTICAL FIBRES PART 1 MEASUREMENT METHODS AND TEST PROCEDURES SECTION 1 GENERAL AND GUIDANCE FIRST REVISION
26	LITD 11 (12243) Revision of: IS/IEC 60793:2014	OPTICAL FIBRES PART 1 MEASUREMENT METHODS AND TEST PROCEDURES SECTION 20 FIBRE GEOMETRY FIRST REVISION
27	LITD 11 (12245) Revision of: IS/IEC 60876:2014	FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS FIBRE OPTIC SPATIAL SWITCHES PART 1 GENERIC SPECIFICATION FIRST REVISION

28	LITD 11 (12247) Revision of: IS/QC 210000:1994	FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS CONNECTORS FOR OPTICAL FIBRES AND CABLES PART 1 GENERIC SPECIFICATION SUPERSEDING IS QC 210000 1994
29	LITD 11 (12248) Revision of: IS/IEC 60794:2015	OPTICAL FIBRE CABLES PART 1 GENERIC SPECIFICATION SECTION 1 GENERAL FIRST REVISION
30	LITD 11 (12270) Revision of: IS/IEC 60793:2018	OPTICAL FIBRES PART 1 MEASUREMENT METHODS AND TEST PROCEDURES SECTION 54 GAMMA IRRADIATION FIRST REVISION
31	LITD 11 (12955) Revision of: IS/IEC 60793:2017	Optical Fibres Part 1 Measurement Methods and Test Procedures Section 33 Stress Corrosion Susceptibility First Revision
32	LITD 11 (12956) Revision of: IS/IEC 60793:2017	Optical Fibres Part 1 Measurement Methods and Test Procedures Section 45 Mode field diameter First Revision
33	LITD 11 (12957) Revision of: IS/IEC 60793:2017	Optical Fibres Part 1 Measurement Methods and Test Procedures Section 47 Macrobending loss First Revision
34	LITD 11 (12958) Revision of: IS/IEC 60793:2017	Optical Fibres Part 1 Measurement Methods and Test Procedures Section 48 Polarization mode First Revision
35	LITD 11 (12960) Revision of: IS 16285:2020	End-Face Image Analysis Procedure for the Calibration of Optical Fibre Geometry Test Sets First Revision
36	LITD 11 (12961) Revision of: IS/IEC 61757:1998	Fibre Optic Sensors Generic Specification SUPERSEEDING ISIEC 61757-1 1998
37	LITD 11 (15590) Revision of: IS 15480:2018	Fibre optic interconnecting devices and passive components Fibre optic passive power control devices Part 1 Generic specification Second Revision
38	LITD 11 (15591) Revision of: IS 16438:2015	Fibre optic interconnecting devices and passive components Performance standard Part 1 General and guidance First Revision
39	LITD 11 (15592) Revision of: IS/IEC 60794-1-2:2003	Optical fibre cables Part 1 Generic specification Section 2 Basic optical cable test procedures General guidance First Revision
40	LITD 11 (15593) Revision of: IS/IEC 60794:2002	Optical fibre cables Part 2 Indoor cables Sectional specification First Revision
41	LITD 11 (15595) Revision of: IS/IEC 60794:2012	Optical fibre cables Part 2 Indoor cables Section 11 Detailed specification for simplex and duplex cables for use in premises cabling First Revision
42	LITD 11 (16466)	Optical Fibre Cables Part 3 Outdoor cables Section 10 Family specification for duct directly buried or lashed aerial optical telecommunication cables
43	LITD 11 (16467)	Optical Fibre Cables Part 3 Outdoor cables Section 11 Product specification for duct directly buried and lashed Aerial single-mode optical fibre telecommunication cables
44	LITD 11 (16468)	Optical Fibre Cables Part 4 Sectional specification Section 20 Aerial optical cables along electrical power lines Family specification for ADSS all dielectric self-supported optical cables
45	LITD 11 (23466) Revision of: IS 14624:2012	Safety of laser products Part 2 Safety of optical fibre communication systems OFCSs Second Revision
46	LITD 11 (23467) Revision of: IS/IEC 60793:2017	Optical fibres Part 1 Measurement Methods and Test Procedures Section 1 General and Guidance Second Revision
47	LITD 11 (23468) Revision of: IS/IEC 60794:2015	Optical Fibre Cables Part 1 Generic Specification Section 1 General Second Revision
48	LITD 11 (23469)	Optical Fibre Cables Part 1 Generic Specification Section 2 Basic optical cable test procedures General guidance Second Revision
49	LITD 11 (23480) Revision of: IS/IEC 60794:2011	Optical Fibre Cables Part 2 Indoor Optical Fibre Cables Section 10 Family specification for simplex and duplex cables First Revision
50	LITD 11 (27233) Revision of: IS/IEC 61746:2005	Calibration of Optical Time-Domain Reflectometers OTDR First Revision
51	LITD 11 (27235) Revision of: IS/IEC 61744:2005	Calibration of Fibre Optic Chromatic Dispersion Test Sets First Revision
52	LITD 11 (27236) Revision of: IS/IEC 60875:2015	Fibre optic interconnecting devices and passive components Non-wavelength-selective fibre optic branching devices Part 1 Generic specification First Revision
53	LITD 11 (27237) Revision of: IS/IEC 60793:2001	Optical fibres Part 1-22 Measurement methods and test procedures - Length measurement First Revision
54	LITD 11 (27238) Revision of: IS 16180:2018	Fibre optic connector interfaces Part 13 Type FC-PC connector First Revision
55	LITD 11 (27239) Revision of: IS 14976:2012	Calibration of fibre - Optic power meters Second Revision
56	LITD 11 (28609) Revision of: IS/IEC 60793:2001	Optical fibres Part 1 measurement methods and test procedures Sec 46 monitoring of changes in optical transmittance first Revision

57	LITD 11 (28610) Revision of: IS/IEC 60793:2017	Optical Fibres Part 1 Measurement Methods and Test Procedures Section 45 Mode field diameter Second Revision
58	LITD 11 (28613) Revision of: IS/IEC 60793:2011	Optical fibres Part 1 measurement methods and test procedures Sec 44 cut - Off wavelength first Revision
59	LITD 11 (28614) Revision of: IS/IEC 60793:2010	Optical fibres Part 1 Measurement Methods and Test Procedures Section 41 Bandwidth first Revision
60	LITD 11 (28617) Revision of: IS/IEC 60793:2006	Optical fibres Optical fibres Part 1 measurement methods and test procedures Sec 34 fibre curl first Revision
61	LITD 11 (28620) Revision of: IS/IEC 60793:2010	Optical fibres Part 1 measurement methods and test procedures Sec 32 coating strippability first Revision
62	LITD 11 (28629) Revision of: IS/IEC 60793:2010	Optical fibres Part 1 measurement methods and test procedures Sec 31 tensile strength First Revision
63	LITD 11 (28890)	Semiconductor Optoelectronic Devices for Fibre Optic System Applications Part 1 Specification Template for Essential Ratings and Characteristics Second Revision Amendment - 1
64	LITD 11 (28893)	Optical fibres Part 1 measurement methods and test procedures Sec 20 fibre geometry First Revision Amendment - 1
65	LITD 11 (33019)	Fibre Optic Cable for Cable TV Application
66	LITD 11 (33419)	Semiconductor optoelectronic devices for fibre optic system applications Part 2 measuring methods Second Revision
67	LITD 11 (33420)	Fibre Optics Launch Condition Requirements for Measuring Multimode Attenuation
68	LITD 11 (33422)	Optical fibres Part 1 measurement methods and test procedures Sec 40 attenuation
69	LITD 11 (33423)	Optical fibres Part 2 product specifications Sec 60 Secal specification for category c single - Mode intraconnection fibres
70	LITD 11 (33433)	Fibre optic interconnecting devices and passive components - Performance standard - Part 021-3 Single-mode fibre optic connectors for category U - Uncontrolled environment

**Total Published Standards:60 Total Standards Under development:70**

### Aspect Wise Report

Product : 19  
Code of Practices : 7  
Methods of Test : 31  
Terminology : 2  
Dimensions : 0  
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 13616 (Part 2):2001 IEC	Fibre Optic Branching Devices Part 2 Sectional Specification - Non-Wavelength Selective Branching Devices
2	IS 13715 (Part 1):1993	Fibre optic switches Part 1 Generic specification
3	IS 13882 (Part 1):1993 IEC 794 IEC 794 Part 1 : 1993	Optical fibre cables Part 1 Generic specification
4	IS 13882 (Part 1/Sec 1):2001 IEC IEC 60794-1-1 :1999	Optical Fibre Cables - Part 1 General Specification - Section 1 General
5	IS 14755:1999	Recommended Practice for Information Technology Year 2000 Test Method

6	IS 15056 (Part 1/Sec 1):2002 IEC IEC 60793-1-1 (1995)	Optical Fibres - Part 1 General Specification - Sec 1 General
7	IS 17046:2018	Fibre Optic Cable for Cable TV Application
8	IS 1885 (Part 83):1999	Electrotechnical Vocabulary - Part 83 Year 2000
9	IS/QC 210000:1994 IECQC 210000	Connectors for Optical Fibres and Cables Generic Specification
10	IS/QC 210700:1998 IECQC 210700	Connectors for Optical Fibres and Cables - Part 7 Sectional Fibre Optic Connector - Type FC
11	IS/IEC 60794-1-2:2017 IEC 60794-1-2: 2017 ISO 8254-1:2009	Optical fibre cables Part 1 Generic specification Section 2 Basic optical cable test procedures General guidance First Revision
12	IS/IEC 61757-1:1998 IEC 61757-1: 1998	Fibre optic sensors Part 1 generic specification
13	IS/QC 810000:1994 IECQC 810000	Fibre Optic Branching Devices Generic Specification

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

Sl. No.	IS No. & Year	Title
1	IS 15077 (Part 1):2019 IEC 62007 - 1 : 2015 IEC 62007 : 2015	Semiconductor Optoelectronic Devices for Fibre Optic System Applications Part 1 Specification Template for Essential Ratings and Characteristics Second Revision Amendment - 1
2	IS 15480:2021 IEC 60869-1: 2012 60603-5	FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS FIBRE OPTIC PASSIVE POWER CONTROL DEVICES PART 1 GENERIC SPECIFICATION FIRST REVISION
3	IS 16438:2021 IEC 61753-1: 2020 IEC TS 60870-5-7:2013	Fibre optic interconnecting devices and passive components Performance standard Part 1 General and guidance First Revision
4	IS 16625 (Part 1):2018 IEC 62496-1 : 2008 IEC 62496-1 : 2008	Optical Circuit Boards Part 1 General
5	IS 16939:2018	Optical Fibre Cables for Inside Premises FTTx Application
6	IS/IEC 60793-2-60):2008 IEC 60793-2-60: 2008	Optical fibres Part 2 product specifications Sec 60 Secal specification for category c single - Mode intraconnection fibres
7	IS/IEC 60794-4-20):2018 IEC 60794-4-20: 2018 ISO 10993-1:2018	Optical Fibre Cables Part 4 Sectional specification Section 20 Aerial optical cables along electrical power lines Family specification for ADSS all dielectric self-supported optical cables
8	IS/IEC 60794-2-11):2020 IEC 60794-2-11: 2020 ISO 18611-2:2014	Optical fibre cables Part 2 Indoor cables Section 11 Detailed specification for simplex and duplex cables for use in premises cabling First Revision
9	IS/IEC 60794-2-10):2023 IEC 60794-2-10:2023	Optical Fibre Cables Part 2 Indoor Optical Fibre Cables Section 10 Family specification for simplex and duplex cables First Revision
10	IS/IEC 60794-3-30):2008 IEC 60794-3-30 : 2008 IEC 60794-3-30 : 2008	Optical Fibre Cables Part 3 Outdoor Cables Section 30 Family specification for optical telecommunication cables for lakes river crossings and coastal applications
11	IS/IEC 60794-2:2017 IEC 60794-2: 2017 ISO 17881-1:2016	Optical fibre cables Part 2 Indoor cables Sectional specification First Revision
12	IS/IEC 60794-1-1):2023 IEC 60794-1-1:2023	Optical Fibre Cables Part 1 Generic Specification Section 1 General Second Revision

13	IS/IEC 60794-3-11):2010 IEC 60794-3-11: 2010 ISO 12567-1: 2010	Optical Fibre Cables Part 3 Outdoor cables Section 11 Product specification for duct directly buried and lashed Aerial single-mode optical fibre telecommunication cables
14	IS/IEC 60794-3-10):2015 IEC 60794-3-10: 2015 ISO 22398: 2013	Optical Fibre Cables Part 3 Outdoor cables Section 10 Family specification for duct directly buried or lashed aerial optical telecommunication cables
15	IS/IEC 60794-3-21):2015 IS/IEC 60794-3-21:2 ISO 22095: 2020	OPTICAL FIBRE CABLES PART 3 OUTDOOR CABLES SECTION 21 PRODUCT SPECIFICATION FOR OPTICAL SELF-SUPPORTING AERIAL TELECOMMUNICATION CABLES FOR USE IN PREMISES CABLING
16	IS/IEC 60874-1:2011 IEC 60874-1 : 2011  Decision taken to Reaffirm and Archive IEC 60874-1 : 2011	Fibre Optic Interconnecting Devices and Passive Components Connectors for Optical Fibres and Cables Part 1 Generic Specification
17	IS/IEC 60875-1:2024	Fibre optic interconnecting devices and passive components Non-wavelength-selective fibre optic branching devices Part 1 Generic specification First Revision
18	IS/IEC 60876-1:2014  IEC 60876-1: 2014	Fibre optic interconnecting devices and passive components - Fibre optic spatial switches Part 1 generic specification First Revision
19	IS/IEC 61757:2018 IEC 61757 : 2018 IEC 61757: 2018	Fibre Optic Sensors - Generic Specification