

## BUREAU OF INDIAN STANDARDS

### Program of Work

#### LITD 4 : Electronic Display Devices and systems

Scope: To prepare Indian Standards relating to: a) Electronic tubes including X-ray and microwave tubes. b) Electronic display devices and specific relevant components.

Liaison: **IEC TC-110 (P): *Electronic Displays***

### Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10071 : 1981 <i>Reviewed In : 2016</i> <i>IEC 151-17: 1969</i>	Methods of measurement for hot cathode gas - Filled tube	June, 2016	-	Modified/Technically Equivalent
2	IS 10503 : 1983 <i>Reviewed In : 2016</i> <i>IEC 151-28: 1978</i>	Methods of measurement of colour television picture tubes	June, 2016	-	Modified/Technically Equivalent
3	IS 10961 (Part 1) : 1988 <i>Reviewed In : 2024</i>	Diagnostic X-ray Tube With Rotating Anode: Part 1 Type Dra 1	April, 2024	-	Indigenous
4	IS 10961 (Part 2) : 1984 <i>Reviewed In : 2020</i>	Diagnostic X-ray Tube With Rotating Anode: Part 2 Type Dra 2	September, 2020	-	Indigenous
5	IS 10961 (Part 3) : 1984 <i>Reviewed In : 2023</i>	Diagnostic X-ray Tube With Rotating Anode: Part 3 Type Dra 3	September, 2023	-	Indigenous
6	IS 10961 (Part 4) : 1984 <i>Reviewed In : 2023</i>	Diagnostic X-ray Tube With Rotating Anode: Part 4 Type Dra 4	September, 2023	-	Indigenous
7	IS 10961 (Part 5) : 1984 <i>Reviewed In : 2023</i>	Diagnostic X-ray Tube With Rotating Anode: Part 5 Type Dra 5	September, 2023	-	Indigenous
8	IS 13384 (Part 1) : 1992 <i>Reviewed In : 2019</i>	Cathode ray tube based data display monitor - Specificaiton: Part 1 colour	May, 2019	-	Indigenous
9	IS 13384 (Part 2) : 1997 <i>Reviewed In : 2019</i>	Cathode ray tube based data display monitor - Specificaiton: Part 2 monochrome	May, 2019	-	Indigenous
10	IS 13900 : 1993 <i>Reviewed In : 2023</i>	Generic specification for colour picture tube with electrostatic focussing and electromagnetic deflection for colour television receivers	March, 2023	-	Indigenous
11	IS 15934 (Part 1/Sec 1) : 2021 IEC 61747-1-1 : 2014 <i>IEC 61747-1-1 : 2014</i>	Liquid Crystal Display Devices Part 1-1: Generic Specification		-	Identical under dual numbering

12	IS 15934 (Part 2) : 2022 61747-2 : 2015 <a href="#">61747-2 : 2015</a>	Liquid Crystal And Solid-State Display Devices Part 2 Liquid Crystal Display Modules Sectional Specification		-	Identical under dual numbering
13	IS 15934 (Part 3) : 2022 61747-3 : 2015 <a href="#">61747-3 : 2015</a>	LIQUID CRYSTAL DISPLAY DEVICES PART 3: LIQUID CRYSTAL DISPLAY LCD CELLS SECTIONAL SPECIFICATION		-	Identical under dual numbering
14	IS 15934 (Part 3/Sec 1) : 2021 IEC 61747-3-1 : 2015 <a href="#">Reviewed In : 2024</a> <a href="#">61747-3-1 : 2015</a>	Liquid Crystal Display Devices Part 3 Liquid Crystal Display LCD Cells Section 1 Blank Detail Specification	August, 2024	-	Identical under dual numbering
15	IS 15934 (Part 4) : 2021 IEC 61747-4 : 2012 <a href="#">Reviewed In : 2024</a> <a href="#">61747-4 : 2012</a>	Liquid Crystal and Solid State Display Devices Part 4 Liquid Crystal Display Modules and Cells Essential Ratings and Characteristics	August, 2024	-	Identical under dual numbering
16	IS 15934 (Part 4/Sec 1) : 2021 IEC 61747-4-1 : 2014 <a href="#">Reviewed In : 2024</a> <a href="#">61747-4-1 : 2014</a>	Liquid Crystal Display Devices Part 4 Matrix Colour LCD Modules Section 1 Essential ratings and characteristics	August, 2024	-	Identical under dual numbering
17	IS 15934 (Part 5) : 2011 IEC 61747-5:1998 <a href="#">Reviewed In : 2020</a> <a href="#">IEC 61747-5:1998</a>	Liquid crystal and solid - State display devices: Part 5 environmental, endurance and mechanical test methods	August, 2020	-	Identical under dual numbering
18	IS 15934 (Part 5/Sec 3) : 2017 IEC 61747-5-3 : 2009 <a href="#">Reviewed In : 2023</a> <a href="#">IEC 61747-5-3 : 2009</a>	Liquid crystal display devices: Part 5 environmental, endurance and mechanical test methods: Sec 3 glass strength and reliability	April, 2023	-	Identical under dual numbering
19	IS 15934 (Part 6) : 2014 IEC 61747-6 : 2004 <a href="#">Reviewed In : 2023</a> <a href="#">IEC 61747-6 : 2004</a>	Liquid Crystal and Solid State Display Devices Part 6 Measuring Methods for Liquid Crystal Modules — Transmissive Type	December, 2023	-	Identical under dual numbering
20	IS 15934 (Part 10/Sec 1) : 2016 IEC 61747-10-1 : 2013 <a href="#">Reviewed In : 2023</a> <a href="#">IEC 61747-10-1 : 2013</a>	Liquid crystal display devices: Part 10 environmental, endurance and mechanical test methods: Sec 1 mechanical	March, 2023	-	Identical under dual numbering
21	IS 16178 : 2014 IEC/TR 62728 : 2011 <a href="#">Reviewed In : 2024</a> <a href="#">IEC/TR 62728 : 2011</a>	Display technologies LCD, PDP and OLED - Overview and explanation of differences in terminology	July, 2024	-	Identical under dual numbering
22	IS 16306 (Part 1) : 2016 IEC 62341-1-1 :	Organic light emitting diode (OLED) displays: Part 1 generic specifications	May, 2024	-	Indigenous

	2009 Reviewed In : 2024				
23	IS 18123 : 2023 IEC 60050-531 : 1974 IEC 60050-531 : 1974	Electro technical Vocabulary : Electronic tubes		-	Identical under dual numbering
24	IS 1885 (Part 4/Sec 2) : 1973 Reviewed In : 2022	Electrotechnical vocabulary: Part 4 electron tubes: Sec 2 X - Ray tubes (First Revision)	June, 2022	-	Indigenous
25	IS 19019 (Part 1) : 2023 IEC 60235-1 : 1972 IEC 60235-1 : 1972	Measurement of the electrical properties of microwave tubes Part 1: Terminology		-	Identical under dual numbering
26	IS 2032 (Part 9) : 1969 Reviewed In : 2024 IEC 60117-6	Graphical symbols used in electrotechnology: Part 9 electron tubes (Other Than Microwave Tubes)	June, 2024	1	Modified/Technically Equivalent
27	IS 2032 (Part 13) : 1971 Reviewed In : 2024 IEC 60117-11	Graphical symbols used in electrotechnology: Part 13 microwave tubes	June, 2024	-	Modified/Technically Equivalent
28	IS 2032 (Part 14) : 1971 Reviewed In : 2022 IEC 60117-11	Graphical symbols used in electrotechnology: Part 14 microwave technology	June, 2022	-	Modified/Technically Equivalent
29	IS 2597 (Part 1) : 1964 Reviewed In : 2022	Code of practice for the use of electronic valves: Part 1 commercial receiving valves	October, 2022	2	Indigenous
30	IS 2597 (Part 2) : 1967 Reviewed In : 2022	Code of practice for the use of electron tubes: Part 2 special quality receiving tubes	October, 2022	1	Indigenous
31	IS 2597 (Part 4) : 1970 Reviewed In : 2022	Code of practice for the use of electronic valves: Part 4 cathode - Ray tubes	October, 2022	1	Indigenous
32	IS 4147 : 1981 Reviewed In : 2022	Methods of measurements for electron tubes - Receiving and transmitting tubes (First Revision)	June, 2022	-	Indigenous
33	IS 4579 : 1968 Reviewed In : 2024	Methods of measurements on television picture tubes	August, 2024	-	Indigenous
34	IS 4697 : 1968 Reviewed In : 2024	Methods of measurements on geiger - Muller counter tubes	August, 2024	2	Indigenous
35	IS 5323 : 1969 IEC 151-14 Reviewed In : 2022	LETTER SYMBOLS AND ABBREVIATIONS FOR ELECTRON TUBES	June, 2022	1	Indigenous
36	IS 5627 : 1987 Reviewed In : 2024 IEC Pub 151-14 : 1975	Methods of measurement of radar and oscilloscope cathode - Ray tubes (First Revision)	July, 2024	-	Modified/Technically Equivalent
37	IS 5840 (Part 1) : 1970 Reviewed In : 2022	Dimensions of cathode - Ray tubes: Part 1 tube outlines	June, 2022	2	Indigenous
38	IS 5840 (Part 2) : 1970 Reviewed In : 2022	Dimensions of cathode - Ray tubes: Part 2 bases	June, 2022	1	Indigenous
39	IS 5840 (Part 3) : 1970 Reviewed In : 2022	Dimensions of cathode - Ray tubes: Part 3 EHT terminals	June, 2022	-	Indigenous
40	IS/IEC 60139 : 2000	Preparation of outline drawings for	January, 2022	-	Identical under single

	Reviewed In : 2022 IEC 60139 : 2000	cathode - Ray tubes, their components, connections and gauges			numbering
41	IS 6134 (Part 1) : 1978 Reviewed In : 2024 IEC Pub 235-2 ( 1972 )	Methods of measurements of electrical characteristics of microwave tubes: Part 1 common to all microwave tubes (First Revision)	June, 2024	-	Modified/Technically Equivalent
42	IS 6134 (Part 2) : 1973 Reviewed In : 2024 IEC Pub 235-2 ( 1972 )	Methods of measurements on microwave tubes: Part 2 oscillator tubes	September, 2024	-	Modified/Technically Equivalent
43	IS 6134 (Part 3) : 1973 Reviewed In : 2024 IEC Pub 235-2 ( 1972 )	Methods of measurements on microwave tubes: Part 3 amplifier tubes	June, 2024	-	Modified/Technically Equivalent
44	IS 6134 (Part 4) : 1977 Reviewed In : 2016 IEC Pub 235-2 ( 1972 )	Methods of measurement of electrical characteristics of microwave tubes: Part 4 magnetrons	June, 2016	-	Modified/Technically Equivalent
45	IS 6134 (Part 5) : 1980 Reviewed In : 2024 IEC Pub 235-2 ( 1972 )	Methods of measurement on microwave tubes: Part 5 parasitic noise	June, 2024	-	Modified/Technically Equivalent
46	IS 6134 (Part 6) : 1981 Reviewed In : 2016 IEC 60235-5 : 1972	Methods of measurement of electrical characteristics of microwave tubes: Part 6 low - Power oscillator klystrons	June, 2016	-	Modified/Technically Equivalent
47	IS 6134 (Part 7) : 1981 Reviewed In : 2016 IEC 60235-6 : 1972	Methods of measurement of electrical characteristics of microwave tubes: Part 7 high - Power klystrons	June, 2016	-	Modified/Technically Equivalent
48	IS 6134 (Part 8) : 1981 Reviewed In : 2016 IEC 60235-7 : 1972	Methods of measurement of electrical characteristics of microwave tubes: Part 8 gas - Filled microwave switching devices	June, 2016	-	Modified/Technically Equivalent
49	IS 6134 (Part 9) : 1981 Reviewed In : 2016 IEC 60235-8 : 1972	Methods of measurement of electrical characteristics of microwave tubes: Part 9 Backward-wave oscillator tube '0' type	June, 2016	-	Modified/Technically Equivalent
50	IS 6134 (Part 10) : 1981 Reviewed In : 2016 IEC 60235-9 : 1972	Methods of measurement of electrical characteristics of microwave tubes: Part 10 crossed - Field amplifier tubes	June, 2016	-	Modified/Technically Equivalent
51	IS 6136 : 2023	BASIC REQUIREMENTS FOR CATHODE RAY TUBES first Revision		-	Indigenous
52	IS/IEC 61965 : 2003 IEC 61965:2003 Reviewed In : 2024 IEC 61965: 2003	Mechanical safety of cathode ray tubes	July, 2024	-	Identical under single numbering
53	IS 6214 : 1971 Reviewed In : 2024	Specification for phosphors for cathode ray tubes	September, 2024	-	Indigenous
54	IS/IEC 62341-1-2 : 2014	Organic Light Emitting Diode OLED displays- Part 1-2:	August, 2024	-	Identical under dual numbering

	62341-1-2 : 2014 Reviewed In : 2024 62341-1-2 : 2014	Terminology and letter symbols			
55	IS/IEC 62341-2-1 : 2015 62341-2-1 Reviewed In : 2024 62341-2-1	Organic Light Emitting Diode OLED displays- Part 2-1: Essential ratings and characteristics of OLED display modules	March, 2024	-	Identical under dual numbering
56	IS/IEC 62341-5 : 2009 62341-5 Reviewed In : 2024 62341-5	Organic Light Emitting Diode OLED displays- Part 5: Environmental testing methods	March, 2024	-	Identical under dual numbering
57	IS/IEC 62341-5-2 : 2019 IEC 62341-5-2 : 2019 Reviewed In : 2024 IEC 62341-5-2 : 2019	Organic light emitting diode OLED displays Part 5-2: Mechanical endurance test methods	July, 2024	-	Identical under single numbering
58	IS/IEC 62341-5-3 : 2019 62341-5-3 Reviewed In : 2024 62341-5-3	Organic light emitting diode OLED displays Part 5-3: Measuring methods of image sticking and lifetime	July, 2024	-	Identical under single numbering
59	IS/IEC 62341-6-1 : 2017 IEC 62341-6-1 : 2017 Reviewed In : 2024 IEC 62341-6-1 : 2017	Organic light emitting diode OLED displays Part 6-1: Measuring methods of optical and electro- optical parameters	July, 2024	-	Identical under single numbering
60	IS/IEC 62341-6-2 : 2015 62341-6-2 Reviewed In : 2024 62341-6-2	Organic Light Emitting Diode OLED displays Part 6-2: Measuring methods of visual quality and ambient performance	March, 2024	-	Identical under dual numbering
61	IS/IEC 62341-6-3 : 2017 62341-6-3 : 2017 Reviewed In : 2024 62341-6-3 : 2017	Organic light emitting diode OLED displays Part 6-3: Measuring methods of image quality	July, 2024	-	Identical under single numbering
62	IS/IEC 62341-6-4 : 2017 62341-6-4 Reviewed In : 2024 62341-6-4	Organic light emitting diode OLED displays - Part 6-4: Measuring methods of transparent properties	August, 2024	-	Identical under dual numbering
63	IS 6757 : 1972 Reviewed In : 2022	Dimensions for high tension cable terminations for X - Ray tubes	June, 2022	-	Indigenous
64	IS 7144 : 1973 Reviewed In : 2024 IEC 151-26: 1971	Methods of measurements on camera tubes	June, 2024	-	Modified/Technically Equivalent
65	IS 7146 (Part 1) : 1973 Reviewed In : 2016 IEC 306-1: 1969	Methods of measurements on photosensitive devices: Part 1 basic considerations	June, 2016	1	Modified/Technically Equivalent
66	IS 7146 (Part 2) : 1974 Reviewed In : 2016	Methods of measurements on photosensitive devices: Part 2 phototubes	June, 2016	-	Modified/Technically Equivalent

	IEC 306-2				
67	IS 7146 (Part 3) : 1974 Reviewed In : 2016 IEC 306-3: 1970	Methods of measurements on photosensitive devices: Part 3 photo-conductive cells for use in the visible spectrum	June, 2016	-	Modified/Technically Equivalent
68	IS 7146 (Part 4) : 1974 Reviewed In : 2016 IEC 306-4: 1971	Methods of measurements on photosensitive devices: Part 4 photomultipliers	June, 2016	-	Modified/Technically Equivalent
69	IS 8441 : 1977 Reviewed In : 2019	Methods of measurements on incidental X - Radiation from electron tubes	September, 2019	-	Indigenous
70	IS 9883 : 1981 Reviewed In : 2016 IEC 441: 1974	Photometric and colorimetric methods of measurement of the light emitted by a cathoderay tube screen	June, 2016	-	Modified/Technically Equivalent

### Standards under Development

#### Projects Approved

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

#### Preliminary Draft Standards

SI. No.	Doc No.	Title
1	LITD 4 (26535)	Preparation of outline drawings for cathode-ray tubes their components connections and gauges

#### Drafts Standards in WC Stage

SI. No.	Doc No.	Title
1	LITD 4 (26605)	Liquid Crystal Display Devices Part 30 Measuring Methods for Liquid Crystal Display Modules Section 1 Transmissive Type
2	LITD 4 (26619) <span style="color: green;">Revision of: IS 10961:1984</span>	Specification for Diagnostic X-Ray Tube with Rotating Anode Part 2 Type DRA 2 First Revision
3	LITD 4 (26623) <span style="color: green;">Revision of: IS 10961:1984</span>	Specification for Diagnostic X-Ray Tube with Rotating Anode Part 3 Type DRA-3 First Revision
4	LITD 4 (26633) <span style="color: green;">Revision of: IS 10961:1984</span>	Specification for Diagnostic X-Ray Tube with Rotating Anode Part 4 Type DRA 4 First Revision
5	LITD 4 (26634) <span style="color: green;">Revision of: IS 10961:1984</span>	Specification for Diagnostic X-Ray Tube with Rotating Anode Part 5 Type DRA 5 First Revision
6	LITD 4 (26745) <span style="color: green;">Revision of: IS 13900:1993</span>	Generic Specification for Colour Picture Tube with Electrostatic Focussing and Electromagnetic Deflection for Colour Television Receivers First Revision

#### Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
1	LITD 4 (21787)	Measurement of the electrical properties of microwave tubes Part 11 General measurements
2	LITD 4 (21788) <span style="color: green;">Revision of: IS 13900:1993</span>	Measurement of the Electrical Properties of Microwave Tubes Part 4 Magnetrons First Revision
3	LITD 4 (21789) <span style="color: green;">Revision of: IS 13900:1993</span>	Measurement of the electrical properties of microwave tubes Part 6 Low-power oscillator klystrons First Revision
4	LITD 4 (21790) <span style="color: green;">Revision of: IS 13900:1993</span>	Measurement of the electrical properties of microwave tubes Part 7 High-power klystrons First Revision
5	LITD 4 (21792) <span style="color: green;">Revision of: IS 13900:1993</span>	Measurement of the Electrical Properties of Microwave Tubes Part 8 Gas-Filled Microwave Switching Devices First Revision
6	LITD 4 (21794) <span style="color: green;">Revision</span>	Measurement of the Electrical Properties of Microwave Tubes Part 9 Backward-Wave Oscillator

	of: IS 13900:1993	Tubes - 39 0 39 Type First Revision
7	LITD 4 (21795) Revision of: IS 13900:1993	Measurement of the Electrical Properties of Microwave Tubes Part 10 Crossed-Field Amplifier Tubes First Revision
8	LITD 4 (26255) Revision of: IS 13900:1993	Methods of Measurement for Hot Cathode Gas - Filled Tube First Revision
9	LITD 4 (26259) Revision of: IS 13900:1993	Methods of Measurement of Colour Television Picture Tubes First Revision
10	LITD 4 (26260) Revision of: IS 13900:1993	Methods of Measurement on Camera Tubes First Revision
11	LITD 4 (26261) Revision of: IS 13900:1993	Photometric and Colorimetric Methods of Measurement of the Light Emitted by a Cathode-Ray Tube Screen First Revision
12	LITD 4 (26262) Revision of: IS 13900:1993	Measurement of Photosensitive Devices Part 1 Basic Recommendations First Revision
13	LITD 4 (26263) Revision of: IS 13900:1993	Measurement of Photosensitive Devices Part 2 Methods of Measurement of Phototubes First Revision
14	LITD 4 (26264) Revision of: IS 13900:1993	Measurement of Photosensitive Devices Part 3 Methods of Measurement of Photoconductive Cells for use in the Visible Spectrum First Revision
15	LITD 4 (26265) Revision of: IS 13900:1993	Measurement of Photosensitive Devices Part 4 Methods of Measurement for Photo-Multipliers First Revision
16	LITD 4 (26289) Revision of: IS 13900:1993	Organic Light Emitting Diode OLED Displays - Part 6-1 Measuring Methods of Optical and Electro-Optical Parameters First Revision

### 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:70 Total Standards Under development:23**

### Aspect Wise Report

Product : 14  
 Code of Practices : 5  
 Methods of Test : 33  
 Terminology : 9  
 Dimensions : 4  
 System Standard : 4  
 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 3) : 1992	Fibre Optic Branching Devices Part 3 Sectional Specification - One-to-n Wavelength Multiplexer demultiplexer
2	IS 13899 : 1993 Reviewed In : 2016	Colour picture tube with electrostatic focussing and electromagnetic deflection for colour television receivers - Blank detail - Specificaiton
3	IS 1885 (Part 4/Sec 1) : 1973 Reviewed In : 2016	Electrotechnical vocabulary Part 4 electron tubes Sec 1 common terms First Revision
		Electrotechnical vocabulary Part 4 electron tubes and valves Sec 3 microwave tubes and valves

4	IS 1885 (Part 4/Sec 3) : 1970 Reviewed In : 2016	
5	IS 1885 (Part 4/Sec 4) : 1970 Reviewed In : 2016	Electrotechnical vocabulary Part 4 electron tubes Sec 4 cathode - Ray tubes
6	IS 1885 (Part 4/Sec 5) : 1972 Reviewed In : 2015	Electrotechnical vocabulary Part 4 electron tubes Sec 5 pulse terms
7	IS 1885 (Part 4/Sec 6) : 1972 Reviewed In : 2016	Electrotechnical vocabulary Part 4 electron tubes Sec 6 noise in microwave tubes
8	IS 1885 (Part 4/Sec 7) : 1973 Reviewed In : 2016	Electrotechnical vocabulary Part 4 electron tubes Sec 7 camera tubes
9	IS 1885 (Part 4/Sec 8) : 1973 Reviewed In : 2015	Electrotechnical vocabulary Part 4 electron tubes Sec 8 photosensitive devices
10	IS 2597 (Part 3) : 1969 Reviewed In : 2015	Code of practice for use of electron valves Part 3 transmitting and industrial valves
11	IS 2597 (Part 5) : 1971 Reviewed In : 2015	Code of practice for the use of electronic valves Part 5 rectifiers and thyratrons
12	IS 6567 : 1972 Reviewed In : 2016	Radiation protection for an X - Ray tube in a protective tube housing operating between 10 kV and 400 kV
13	IS 6758 : 1972 Reviewed In : 2015	Dimensions for high tension receptacles for X - Ray tubes
14	IS 9492 : 1980 Reviewed In : 2016 IEC 235-2 & 2C: 1976	Methods of measurement of RF microwave leakage from integral circuit electron tubes

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

SI. No.	IS No. & Year	Title
1	IS 10961 (Part 1) : 1988 Reviewed In : 2024	Diagnostic X-ray Tube With Rotating Anode Part 1 Type Dra 1
2	IS 10961 (Part 2) : 1984 Reviewed In : 2020	Diagnostic X-ray Tube With Rotating Anode Part 2 Type Dra 2
3	IS 10961 (Part 3) : 1984 Reviewed In : 2023	Diagnostic X-ray Tube With Rotating Anode Part 3 Type Dra 3
4	IS 10961 (Part 4) : 1984 Reviewed In : 2023	Diagnostic X-ray Tube With Rotating Anode Part 4 Type Dra 4
5	IS 10961 (Part 5) : 1984 Reviewed In : 2023	Diagnostic X-ray Tube With Rotating Anode Part 5 Type Dra 5
6	IS 13384 (Part 1) : 1992 Reviewed In : 2019	Cathode ray tube based data display monitor - Specificaiton Part 1 colour
7	IS 13384 (Part 2) : 1997 Reviewed In : 2019	Cathode ray tube based data display monitor - Specificaiton Part 2 monochrome
8	IS 13900 : 1993 Reviewed In : 2023	Generic specification for colour picture tube with electrostatic focussing and electromagnetic deflection for colour television receivers
9	IS 15934 (Part 2) : 2022 61747-2 : 2015	Liquid Crystal And Solid-State Display Devices Part 2 Liquid Crystal Display Modules Sectional Specification
10	IS 15934 (Part 4) : 2021 IEC 61747-4 : 2012 Reviewed In : 2024 ISO 21915-1 : 2020	Liquid Crystal and Solid State Display Devices Part 4 Liquid Crystal Display Modules and Cells Essential Ratings and Characteristics
11	IS 15934 (Part 4/Sec 1) : 2021 IEC 61747-4-1 : 2014	Liquid Crystal Display Devices Part 4 Matrix Colour LCD Modules Section 1 Essential ratings and characteristics



	Reviewed In : 2024 ISO 21915-2 : 2020	
12	IS 6136 : 2023	BASIC REQUIREMENTS FOR CATHODE RAY TUBES first Revision
13	IS 6214 : 1971 Reviewed In : 2024	Specification for phosphors for cathode ray tubes
14	IS/IEC 62341-2-1 : 2015 62341-2-1 Reviewed In : 2024 IEC 61196-1-324: 200	Organic Light Emitting Diode OLED displays- Part 2-1 Essential ratings and characteristics of OLED display modules