

## BUREAU OF INDIAN STANDARDS

### Program of Work

#### LITD 1 : Environmental Testing Procedure

**Scope:** To prepare Indian Standards on testing procedure for electronic components and equipments under different environmental conditions

**Liaison:** **IEC TC-IEC/TC (P):** *Environmental conditions, classification and methods of test* **IEC TC-IEC /TC (O):** *Fire hazard testing* **IEC TC-104 (P):** *Climatic field data including validation* **IEC TC-104 (P):** *Dynamic field data including validation*

### Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 13736 (Part 1) : 2018 IEC 60721-1: 2002 <span style="color: green;">Reviewed In : 2021</span> <span style="color: green;">IEC 60721-1: 2002</span>	Classification of environmental conditions: Part 1 environmental parameters and their severities (First Revision)	November, 2021	-	Identical under dual numbering
2	IS 13736 (Part 2/Sec 1) : 2020 IEC 60721-2-1 : 2013 <span style="color: green;">Reviewed In : 2023</span> <span style="color: green;">IEC 60721-2-1 : 2013</span>	Classification of Environmental Conditions Part 2 Environmental Conditions Appearing in Nature Section 1 Temperature and humidity ( First Revision )	December, 2023	-	Identical under dual numbering
3	IS 13736 (Part 2/Sec 2) : 2018 IEC 60721-2-2: 2012 <span style="color: green;">Reviewed In : 2021</span> <span style="color: green;">IEC 60721-2-2: 2012</span>	Classification of environmental conditions: Part 2 environmental conditions appearing in nature: Sec 2 precipitation and wind (First Revision)	August, 2021	-	Identical under dual numbering
4	IS 13736 (Part 2/Sec 3) : 2020 IEC 60721-2-3 : 2013 <span style="color: green;">Reviewed In : 2023</span> <span style="color: green;">IEC 60721-2-3 : 2013</span>	Classification of Environmental Conditions Part 2 Environmental Conditions Appearing in Nature Section 3 Air pressure ( First Revision )	December, 2023	-	Identical under dual numbering
5	IS 13736 (Part 3/Sec 6) : 1993 IECIEC 60721-3-6: 1987 <span style="color: green;">Reviewed In : 2021</span> <span style="color: green;">IEC 60721-3-6: 1987</span>	Classification of environmental conditions: Part 3 classification of groups of environmental parameters and their severities: Sec 6 ship environment	September, 2021	2	Identical under dual numbering
6	IS 1885 (Part 84) : 2022	Electrotechnical Vocabulary Part 84 Terminology Concerning Fire		-	Identical under dual numbering

	IEC 60695-4:2021 IEC 60695-4:2021	Tests for Electrotechnical Products (Third Revision)			
7	IS/IEC 60068-1 : 2013 IEC 60068-1:2013 IEC 60068-1:2013	Environmental Testing Part 1 General and Guidance		-	Identical under single numbering
8	IS/IEC 60068-2-1) : 2007 IEC 60068-2-1:2007 IEC 60068 -Part 2-1 : 2007	Environmental Testing Part 2 Tests Section 1 Test A: Cold		-	Identical under single numbering
9	IS/IEC 60068-2-2) : 2007 IEC 60068-2-2:2007 IEC 60068-2-2:2007	Environmental Testing Part 2: Tests - Test B Section 2: Dry Heat		-	Identical under single numbering
10	IS/IEC 60068-2-5) : 2018 IEC 60068-2-5:2018 IEC 60068-2-5:2018	Environmental Testing Part 2 Tests Section 5 Test S: Simulated solar radiation at ground level and guidance for solar radiation testing and weathering		-	Identical under single numbering
11	IS/IEC 60068-2-6) : 2007 IEC 60068-2-6:2007 IEC 60068-2-6 : 2007	Environmental Testing Part 2 Tests Section 6 Test Fc: Vibration sinusoidal		-	Identical under single numbering
12	IS/IEC 60068-2-7) : 1983 IEC 60068-2-7:1983 IEC 60068-2-7:1983	Basic Environmental Testing Procedures Part 2: Tests - Test Ga and Guidance Section 7: Acceleration Steady State		-	Identical under single numbering
13	IS/IEC 60068-2-10) : 2018 IEC 60068-2-10:2018 IEC 60068-2-10:2018	Environmental testing - Part 2-10: Tests - Test J and guidance: Mould growth		-	Identical under single numbering
14	IS/IEC 60068-2-13) : 2021 IEC 60068-2-13:2021 IEC 60068-2-13:2021	Environmental Testing Part 2 Tests Section 13 Test M: Low air pressure		-	Identical under single numbering
15	IS/IEC 60068-2-14) : 2009 IEC 60068 Part 2/Sec 14:2009 IEC 60068 Part 2/Sec 14:2009	Environmental testing Part 2: Tests Section 14: Test N: Change of temperature		-	Identical under single numbering
16	IS/IEC 60068-2-17) : 1994 IEC 60068-2-17:1994 IEC 60068-2-17:1994	Basic environmental testing procedures Part 2: Tests Section 17: Test Q: Sealing		-	Identical under single numbering
17	IS/IEC 60068-2-18) : 2017 IEC 60068-2-18:2017	Environmental testing Part 2: Tests Section 18 Test R and guidance: Water		-	Identical under single numbering

	IEC 60068-2-18:2017				
18	IS/IEC 60068-2-30) : 2005 IEC 60068-2-30:2005 IEC 60068-2-30:2005	Environmental testing Part 2 Tests Section 30 Test Db: Damp heat cyclic 12 h 12 h cycle		-	Identical under single numbering
19	IS/IEC 60068-2-38) : 2021 IEC 60068-2-38:2021 IEC 60068-2-38:2021	Environmental Testing Part 2 Tests Section 5 Test ZAD: Composite TemperatureHumidity Cyclic test		-	Identical under single numbering
20	IS/IEC 60068-2-45) : 1980 IEC 60068-2-45: 1980 ISO 8362-1:2018	Basic environmental testing procedures Part 2 Tests Test XA and guidance Sec 45 Immersion in cleaning solvents		-	Identical under dual numbering
21	IS/IEC 60068-2-47) : 2005 IEC 60068-2-47:2005 IEC 60068-2-47:2005	Environmental Testing Part 2 Tests Section 47 Mounting of specimens for vibration impact and similar dynamic tests		-	Identical under single numbering
22	IS/IEC 60068-2-55) : 2013 IEC 60068-2-55:2013 IEC 60068-2-55:2013	Environmental testing Part 2: Tests Section 55 Test Ee and guidance Loose cargo testing including bounce		-	Identical under single numbering
23	IS/IEC 60068-2-65) : 2013 IEC 60068-2-65: 2013 IEC 60068-2-65: 2013	Environmental testing Part 2: Tests Section 65: Test Fg: Vibration - Acoustically induced method		-	Identical under single numbering
24	IS/IEC 60068-2-68) : 1994 IEC 60068-2-68:1994 IEC 60068-2-68:1994	Environmental testing Part 2: Tests Section 68 Test L: Dust and sand		-	Identical under single numbering
25	IS/IEC 60068-3-1) : 2023 IEC 60068-3-1:2023 IEC 60068-3-1:2023	Environmental testing Part 3 Supporting documentation and guidance section -1: Cold and dry heat tests		-	Identical under single numbering
26	IS/IEC 60068-3-4) : 2023 IEC 60068-3-4:2023 IEC 60068-3-4:2023	Environmental testing Part 3 Supporting documentation and guidance Section - 4: Damp heat tests First Revision		-	Identical under single numbering
27	IS/IEC 60695-1-10) : 2016 IS/IEC 60695-1-10:2016 IS/IEC 60695-1-10:2016	Fire Hazard Testing Part 1 Guidance for assessing the fire hazard of electrotechnical products Section 10 General Guidelines		-	Identical under single numbering

28	IS/IEC 60695-1-11) : 2014 IEC 60695-1-11:2014 IEC 60695-1-11:2014	Fire Hazard Testing Part 1 Guidance for assessing the fire hazard of electrotechnical products Section 11 Fire Hazard Assessment		-	Identical under single numbering
29	IS/IEC 60695-1-30) : 2017 IEC 60695-1-30:2017 IEC 60695-1-30:2017	Fire Hazard Testing Part 1 Guidance for assessing the fire hazard of electrotechnical products Section 30 Preselection testing process General guidelines		-	Identical under single numbering
30	IS/IEC 60695-1-40) : 2013 IEC 60695-1-40: 2013 IEC 60695-1-40: 2013	Fire Hazard Testing Part 1 Guidance for assessing the fire hazard of electro technical products Section 40 Insulating Liquids		-	Identical under dual numbering
31	IS/IEC 60695-2-10) : 2021 IEC 60695-2-10:2021 IEC 60695-2-10:2021	Fire hazard testing Part 2: Glowinghot-wire based test methods Section 10: Glow-wire apparatus and common test procedure		-	Identical under single numbering
32	IS/IEC 60695-2-12) : 2021 IEC 60695-2-12:2021 IEC 60695-2-12:2021	Fire Hazard Testing Part 2: Glowinghot-wire based test methods Section 12: Glow-wire flammability index GWFI Test method for materials		-	Identical under single numbering
33	IS/IEC 60695-2-13) : 2021 IEC 60695-2-13:2021 IEC 60695-2-13:2021	Fire Hazard Testing Part 2 GlowingHot wire based test methods Section 13 Glow-wire ignition temperature GWIT test method for materials		-	Identical under single numbering
34	IS/IEC 60695-2-11) : 2021 IEC 60695-2-11:2021 IEC 60695-2-11:2021	Fire Hazard Testing Part 2: Glowinghot-wire based test methods Section 11: Glow-wire flammability test method for end products GWEPT		-	Identical under single numbering
35	IS/IEC 60695-10-2 : 2014 IEC 60695-10-2 : 2014 Reviewed In : 2022 IEC 60695-10-2	Fire hazard testing: Part 10 Abnormal heat: Sec 2 ball pressure test method	May, 2022	-	Identical under single numbering
36	IS/IEC 60695-11-5 : 2016 IEC 60695-11-5 : 2016 Reviewed In : 2023 IEC 60695-11-5:2016	Fire Hazard Testing Part 11 Test Flames Section 5 Needle - Flame test method - Apparatus, confirmatory test arrangement and guidance ( First Revision )	December, 2023	-	Identical under single numbering
37	IS/IEC 60695-11-10 : 2013 IEC 60695-11-10 : 2013	Fire hazard testing: Part 11 test flames :: Sec 10 50 w horizontal and vertical flame test methods	May, 2022	-	Identical under single numbering

	Reviewed In : 2022 IEC 60695-11-10				
38	IS/IEC 60721-2-4) : 2018 IEC 60721-2-4:2018 IEC 60721-2-4:2018	Classification of Environmental Conditions Part 2 Environmental Conditions appearing in nature Section 4 Solar Radiation and Temperature		-	Identical under dual numbering
39	IS/IEC 60721-2-7) : 2018 IEC 60721-2-7: 2018 IEC 60721-2-7: 2018	Classification of Environmental Conditions Part 2 Environmental Conditions appearing in nature Section 7 Flora and Fauna		-	Identical under dual numbering
40	IS/IEC 60721-3-0) : 2020 IEC 60721-3-0: 2020 IEC 60721-3-0: 2020	Classification of Environmental Conditions Part 3 Classification of groups of environmental parameters and their severities Section 0 Introduction		-	Identical under dual numbering
41	IS/IEC 60721-3-1) : 2018 IEC 60721-3-1: 2018 IEC 60721-3-1: 2018	Classification of Environmental Conditions Part 3 Classification of groups of environmental parameters and their severities Section 1 Storage		-	Identical under dual numbering
42	IS/IEC 60721-3-2) : 2018 IEC 60721-3-2: 2018 IEC 60721-3-2: 2018	Classification of Environmental Conditions Part 3 Classification of groups of environmental parameters and their severities Section 1 Transportation and Handling		-	Identical under dual numbering
43	IS/IEC 60721-3-3) : 2019 IEC 60721-3-3: 2019 IEC 60721-3-3: 2019	Classification of Environmental Conditions Part 3 Classification of groups of environmental parameters and their severities Section 3 Stationary use at weatherprotected locations		-	Identical under dual numbering
44	IS/IEC 60721-3-4) : 2019 IEC 60721-3-4: 2019 IEC 60721-3-4: 2019	Classification of Environmental Conditions Part 3 Classification of groups of environmental parameters and their severities Section 4 Stationary use at non- weatherprotected locations		-	Identical under dual numbering
45	IS/IEC 60721-3-5) : 1997 IEC 60721-3-5: 1997 IEC 60721-3-5: 1997	Classification of Environmental Conditions Part 3 Classification of groups of environmental parameters and their severities Section 5 Ground Vehicle Installations		-	Identical under dual numbering
46	IS/IEC 60721-3-7) : 2002 IEC 60721-3-7: 1995 IEC 60721-3-7: 1995	Classification of Environmental Conditions Part 3 Classification of groups of environmental parameters and their severities Section 7 Portable and non- stationary use		-	Identical under dual numbering
47	IS 9000 (Part 4) : 2020 IEC 60068-2-78 : 2012	Environmental Testing Part 4 Tests - Test Cab: Damp Heat, Steady State ( Second Revision )	December, 2023	-	Identical under dual numbering

	Reviewed In : 2023 IEC 60068-2-78 : 2012				
48	IS 9000 (Part 7/Sec 1) : 2018 IEC 60068-2-27 : 2008 Reviewed In : 2021 IEC 60068-2-27: 2008	Basic environmental testing procedures for electronic and electrical items: Part 7 impact test: Sec 1 shock (Test Ea) (Second Revision)	November, 2021	-	Identical under dual numbering
49	IS 9000 (Part 7/Sec 3) : 2019 IEC 60068-2-31 : 2008 Reviewed In : 2022 IEC 60068-2-31 : 2008	Environmental testing: Part 7 tests :: Sec 3 test Ec: rough handling shocks, primarily for equipment - Types specimens (First Revision)	January, 2022	-	Identical under dual numbering
50	IS 9000 (Part 7/Sec 7) : 2020 IEC 60068-2-75 : 2014 Reviewed In : 2023 IEC 60068-2-75:2014	Environmental Testing Part 7 Tests Section 7 Test Eh: Hammer tests ( First Revision )	December, 2023	-	Identical under dual numbering
51	IS 9000 (Part 11) : 1983 Reviewed In : 2019	Basic environmental testing procedures for electronic and electrical items: Part 11 salt mist test	October, 2019	-	Indigenous
52	IS 9000 (Part 22) : 1983 Reviewed In : 2019	Basic environmental testing procedures for electronic and electrical items: Part 22 fine mist test	October, 2019	-	Indigenous
53	IS 9001 (Part 19) : 2006 Reviewed In : 2019	Guidance for environmental testing: Part 19 salt mist test	October, 2019	-	Indigenous
54	IS 9001 (Part 20) : 2010 IEC 60068-3-11: 2007 Reviewed In : 2022 IEC 60068-3-11: 2007	Guidance for environmental testing: Part 20 calculation of uncertainty of conditions in climatic test chambers	October, 2022	-	Identical under dual numbering
55	IS 9002 (Part 3) : 1979 Reviewed In : 2022	Specification for Equipment for environmental tests for electronic and electrical items: Part 3 humidity chamber	October, 2022	-	Indigenous
56	IS 9002 (Part 6) : 1980 Reviewed In : 2022	Specification for equipment for environmental tests for electronic and electrical items: Part 6 constant relative humidity chamber (Non - Injection Type)	October, 2022	-	Indigenous

### 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
1	LITD 1 (25091) Revision of: IS/IEC 60068:2009	Environmental Testing - Part 2 Tests - Section 14 Test N Change of Temperature First Revision
2	LITD 1 (25092) Revision of: IS/IEC 60068:1994	Environmental Testing - Part 2 Tests Section 17 Test Q Sealing First Revision

**Total Published Standards:53 Total Standards Under development:2**

### Aspect Wise Report

Product : 0  
Code of Practices : 16  
Methods of Test : 36  
Terminology : 3  
Dimensions : 0  
System Standard : 0  
Safety Standard : 0  
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 11000 (Part 1/Sec 1) : 1988 Reviewed In : 2021	Fire Hazard Testing Part 1 Guidance For The Preparation Of Requirements And Test Specifications For Assessing Fire Hazard Of Electronic And Electrical Items Sec 1 General Guidance
2	IS 11000 (Part 1/Sec 2) : 1988 Reviewed In : 2021	Fire Hazard Testing Part 1 Guidance For The Preparation Of Requirements And Test Specifications For Assessing Fire Hazard Of Electronic And Electrical Items Sec 2 Guidance For Electronic Components
3	IS 11000 (Part 1/Sec 3) : 1993 IEC 60695-1-3: 1986 Reviewed In : 2021 IEC	Fire hazard testing Part 1 guidance for the preparation of requirements test specifications for assessing fire hazard of electronic and electrical items - Sec 3 guidance for use of preselection procedures

	60695-1-3: 1986	
4	IS 11000 (Part 1/Sec 40) : 2015 IEC 60695-1-40:2013 Reviewed In : 2018 IEC 60695-1-40:2002	Fire hazard testing Part 1 guidance for assessing the fire hazard of electrotechnical products Sec 40 insulating liquids
5	IS 11000 (Part 2/Sec 1) : 2018 IEC 60695-2-10 : 2013 Reviewed In : 2021 IEC 60695-2-10: 2013	Fire hazard testing Part 2 test methods Sec 1 glow - Wire apparatus and common test procedure Second Revision
6	IS 11000 (Part 2/Sec 2) : 2008 IEC 60695-11-5: 2004 Reviewed In : 2019 IEC 60695-11-5: 2004	Fire hazard testing Part 2 test methods Sec 2 needle - Flame test method - Apparatus confirmatory test arrangement and guidance First Revision
7	IS 11000 (Part 2/Sec 3) : 1994 IEC 60695-2-3: 1984 Reviewed In : 2021 IEC 60695-2-3: 1984	Fire hazard testing Part 2 test methods Sec 3 bad - Connection test with heaters
8	IS 11000 (Part 3/Sec 1) : 1993 IEC Reviewed In : 2021 IEC 60695 Part 3 Sec 1:1982	Fire hazard testing Part 3 example of fire hazard assessment procedures and interpretation of results Sec 1 combustion characteristics and survey of test methods for their determination
9	IS 13736 (Part 2/Sec 4) : 1993 IEC 60721-2-4: 1987 Reviewed In : 2018 IEC 60721-2-4: 1987	Classification of environmental conditions Part 2 environmental conditions appearing in nature Sec 4 solar radiation and temperature
10	IS 13736 (Part 2/Sec 7) : 1993 IEC 60721-2-7: 1987 Reviewed In : 2018 IEC 60721-2-7: 1987	Classification of environmental conditions Part 2 environmental conditions appearing in nature Sec 7 fauna and flora
11	IS 13736 (Part 3/Sec 0) : 1993 IEC 60721-3-0: 1984 Reviewed In : 2018 IEC 60721-3-0: 1984	Classification of environmental conditions Part 3 classification of groups of environmental parameters and their severities Sec 0 Introduction
12	IS 13736 (Part 3/Sec 1) : 1993 IEC 60695-3-1: 1987 Reviewed In : 2018 IEC 60721-3-1: 1987	Classification of environmental conditions Part 3 classification of groups of environmental parameters and their severities Sec 1 storage
13	IS 13736 (Part 3/Sec 2) : 1993 IEC 60721-3-2: 1985 Reviewed In : 2018 IEC 60721-3-2: 1985	Classification of environmental conditions Part 3 classification of groups of environmental parameters and their severities Sec 2 transportation
14	IS 13736 (Part 3/Sec 3) : 1993 IEC 60721-3-3: 1987 Reviewed In : 2018 IEC 60721-3-3: 1987	Classification of environmental conditions Part 3 classification of groups of environmental parameters and their severities Sec 3 stationary use at weatherprotected locations
15	IS 13736 (Part 3/Sec 4) : 1993 IEC 60721-3-4: 1987	Classification of environmental conditions Part 3 classification of groups of environmental parameters and their severities Sec 4 stationary use at non - Weather protected locations



	Reviewed In : 2018 IEC 60721-3-4: 1987	
16	IS 13736 (Part 3/Sec 5) : 1993 IEC 60721-3-5: 1985 Reviewed In : 2018 IEC 60721-3-5: 1985	Classification of environmental conditions Part 3 classification of groups of environmental parameters and their severities Sec 5 ground vehicle installations
17	IS 13736 (Part 3/Sec 7) : 1993 IEC 60721-3-7: 1987 Reviewed In : 2018 IEC 60721-3-7: 1987	Classification of environmental conditions Part 3 classification of groups of environmental parameters and their severities Sec 7 portABLE and non - Stationary use
18	IS 9000 (Part 1) : 1988 Reviewed In : 2019	Basic environmental testing procedures for electronic and electrical items Part 1 general First Revision
19	IS 9000 (Part 2/Sec 14) : 1977 Reviewed In : 2019	Basic environmental testing procdures for electronic and electrical items Part 2 cold test
20	IS 9000 (Part 3/Sec 15) : 1977 Reviewed In : 2022	Basic environmental testing procedures for electronic and electrical items Part 3 dry heat test
21	IS 9000 (Part 5/Sec 12) : 1981 Reviewed In : 2022	Basic environmental testing procedures for electronic and electrical items Part 5 damp heat Cyclic test
22	IS 9000 (Part 6) : 1978 Reviewed In : 2019	Basic environmental testing procedures for electronic and electrical items Part 6 composite temperature humidity cyclic test
23	IS 9000 (Part 7/Sec 6) : 1988 Reviewed In : 2021	Basic environmental testing procedures for electronic and electrical items Part 7 impact test Sec 6 test ee bounce
24	IS 9000 (Part 7/Sec 15) : 1979 Reviewed In : 2019	Basic environmental testing procedures for electronic and electrical items Part 7 impact test
25	IS 9000 (Part 8) : 1981 Reviewed In : 2021	Basic environmental testing procedures for electronic and electrical items Part 8 vibration Sinusoidal test
26	IS 9000 (Part 9) : 1984 Reviewed In : 2021	Basic environmental testing procedures for electronic and electrical items Part 9 acceleration Steady State test
27	IS 9000 (Part 10) : 1979 Reviewed In : 2021	Basic environmental testing procedures for electronic and electrical items Part 10 mould growth test
28	IS 9000 (Part 12) : 1981 Reviewed In : 2019	Basic environmental testing procedures for electronic and electrical items Part 12 dust test
29	IS 9000 (Part 13) : 1981 Reviewed In : 2019	Basic environmental testing procedures for electronic and electrical items Part 13 low air pressure test
30	IS 9000 (Part 14/Sec 13) : 1988 Reviewed In : 2021	Basic environmental testing procedures for electronic and electrical items Part 14 test n change of temperature First Revision
31	IS 9000 (Part 15/Sec 19) : 1982 Reviewed In : 2019	Basic environmental testing procedures for electronic and electrical items Part 15 sealing test
32	IS 9000 (Part 16) : 1983 Reviewed In : 2022	Basic environmental testing procedures for electronic and electrical items Part 16 driving rain test
33	IS 9000 (Part 17) : 1985 Reviewed In : 2019	Basic environmental testing procedures for electronic and electrical items Part 17 radiation test First Revision
34	IS 9000 (Part 20) : 1979 Reviewed In : 2022	Basic environmental testing procedures for electronic and electrical items Part 20 resistance to cleaning solvents and permanence of markings
35	IS 9000 (Part 21) : 1985 Reviewed In : 2022	Basic environmental testing procedures for electronic electrical items Part 21 acoustics noise test
36	IS 9000 (Part 23) : 1984 Reviewed In : 2022	Basic environmental testing procedures for electronic and electrical items Part 23 drip proof test
37	IS 9000 (Part 27) : 1986 Reviewed In : 2019	Basic environmental testing procedures for electronic and electrical items Part 27 ultrasonic cleaning test

38	IS 9000 (Part 31) : 1978 Reviewed In : 2019	Basic environmental testing procedures for electronic and electrical items Part 31 combined cold low air pressure tests
39	IS 9000 (Part 32) : 2006 IEC 60068-4: 1987 Reviewed In : 2019 IEC 60068-4: 1987	Basic environmental testing procedures for electronic and electrical items Part 32 information for specification writers - Test summaries
40	IS 9001 (Part 1) : 1984 Reviewed In : 2019 IEC 60068-1 : 1982	Guidance for environmental testing Part 1 General
41	IS 9001 (Part 2) : 1977 Reviewed In : 2019 IEC 60068-3 -1 : 1974	Guidance for environmental testing Part 2 cold and dry heat tests
42	IS 9001 (Part 3) : 1978 Reviewed In : 2019 IEC 60068-2-33 : 1971	Guidance for environmental testing Part 3 change of temperature
43	IS 9001 (Part 4) : 1979 Reviewed In : 2019 IEC 60068-2-28	Guidance for environmental testing Part 4 damp heat tests
44	IS 9001 (Part 5) : 1979 Reviewed In : 2022	Guidance for environmental testing Part 5 resistance to cleaning solvents and permanence of markings
45	IS 9001 (Part 8) : 1982 Reviewed In : 2019	Guidance for environmental testing Part 8 sealing test
46	IS 9001 (Part 10) : 1975 Reviewed In : 2019	Guidance for environmental testing Part 10 mould growth test
47	IS 9001 (Part 11) : 1973 Reviewed In : 2019	Guidance for environmental testing Part 11 solar radiation test
48	IS 9001 (Part 12) : 1977 Reviewed In : 2019	Guidance for environmental testing Part 12 mounting of electronic and electrical items for dynamic tests
49	IS 9001 (Part 13) : 1981 Reviewed In : 2021	Guidance for environmental testing Part 13 vibration Sinusoidal test
50	IS 9001 (Part 14) : 1981 Reviewed In : 2021	Guidance for environmental testing Part 14 storage tests
51	IS 9001 (Part 15) : 1984 Reviewed In : 2022	Guidance for environmental testing Part 15 acceleration Steady State test
52	IS 9001 (Part 16) : 1985 Reviewed In : 2022	Guidance for environmental testing Part 16 acoustic noise test
53	IS 9001 (Part 17/Sec 5) : 1988 Reviewed In : 2019	Guidance for environmental testing Part 17 impact test Sec 5 bounce
54	IS 9001 (Part 17/Sec 14) : 1985 Reviewed In : 2019	Guidance for environmental testing Part 17 impact test
55	IS 9001 (Part 18) : 1986 Reviewed In : 2019	Guidance for environmental testing Part 18 ultrasonic cleaning test
56	IS 9002 (Part 1) : 1977 Reviewed In : 2019	Specification for Equipment for environmental tests for electronic and electrical items Part 1 chamber for cold test
57	IS 9002 (Part 2) : 1977 Reviewed In : 2019	Specification for Equipment and environmental tests for electronic and electrical items Part 2 chamber for dry heat test
58	IS 9002 (Part 4) : 1979 Reviewed In : 2019	Specification for equipment for environmental tests for electronic and electrical items Part 4 chamber for mould growth test
59	IS 9002 (Part 5) : 1979 Reviewed In : 2019	Specification for equipment for environmental tests for electronic and electrical items Part 5 equipment for vibration Sinusoidal test
60	IS 9002 (Part 7) : 1983 Reviewed In : 2022	Specification for equipment for environmental tests for electronic and electrical items Part 7 bump test machine
61	IS 9002 (Part 8) : 1984 Reviewed In : 2019	Specification for equipment for environmental tests for electronic and electrical items Part 8 dust chamber
62	IS 9002 (Part 9) : 1984 Reviewed In : 2022	Specification for equipment for environmental tests for electronic and electrical items Part 9 acceleration Steady State test machine
63	IS 9002 (Part 10/Sec 1) :	Specification for equipment for environmental tests for electronic and electrical items Part 10

	1985 Reviewed In : 2019	shock test machine Sec 1 free fall type
64	IS 9002 (Part 11) : 1984 Reviewed In : 2022	Specification for equipment for environmental tests for electronic and electrical items Part 11 drop toppling and free fall test machine platform
65	IS 9002 (Part 12) : 1986 Reviewed In : 2019	Specification for equipment for environmental tests for electronic and electrical items Part 12 salt mist fine mist chamber
66	IS 9002 (Part 13/Sec 1) : 1985 Reviewed In : 2022	Specificaliton for equipment for environmental tests for electronic and electrical items Part 13 equipment for change of temperature test Sec 1 two chamber system
67	IS 9002 (Part 13/Sec 3) : 1985 Reviewed In : 2022	Specification for equipment for environmental tests for electronic and electrical items Part 13 equipment for change of temperature test Sec 3 two baths
68	IS 9002 (Part 14) : 1985 Reviewed In : 2019	Specification for equipment for environmental tests for electronic and electrical items Part 14 low air pressure chamber
69	IS 9002 (Part 15) : 1988 Reviewed In : 2021	Specification for equipment for environmental tests for electronic and electrical items Part 15 low air pressure and temperature chamber

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

SI. No.	IS No. & Year	Title
<i>No Records Found</i>		