

BUREAU OF INDIAN STANDARDS

Program of Work

PGD 21 : Meteorological Instruments

Scope: a) Preparation of standards for rain gauges; air measures; anemometers; windvanes; Psychrometers; thermometer screen (Single and double); Evaporimeters; barometers; thermographs; hygrograph barographs etc. b) Liaison with ISO/TC 146/SC 5 Meteorology (P-Member)

Liaison: **ISO TC-146 SC-5 (P): Meteorology**

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 11875 : 1986 Reviewed In : 2019	Specification for diffuse pyranometer	February, 2019	1	Indigenous
2	IS 11876 : 1986 Reviewed In : 2019 Reaffirmed but not taken up for revision	Specification for airmeter	February, 2019	1	Indigenous
3	IS 12781 : 1989 Reviewed In : 2019 Reaffirmed but not taken up for revision	Marine bucket for sea surface temperature measurement - Specification	February, 2019	-	Indigenous
4	IS 13436 : 1992 Reviewed In : 2019	Sensitive anemometer - Specification	February, 2019	-	Indigenous
5	IS 13448 : 1992 Reviewed In : 2019	Meteorology - Thermoelectric Pyrheliometer - Specification	February, 2019	-	Indigenous
6	IS 13459 : 1992 Reviewed In : 2019	Angstrom Pyrheliometer - Specification	February, 2019	-	Indigenous
7	IS 15216 : 2002 Reviewed In : 2019 Reaffirmed but not taken up for revision	Balloons - Meteorological	February, 2019	-	Indigenous
8	IS 15243 : 2002 Reviewed In : 2019 Reaffirmed but not taken up for revision	Velocity scale set for meteorological purposes	February, 2019	-	Indigenous
9	IS 15253 : 2002 Reviewed In : 2019 Reaffirmed but not taken up for revision	Dew gauge - Specification	February, 2019	-	Indigenous
10	IS 16739 : 2018 ISO 16622 : 2002	Meteorology - Sonic Anemometers/Thermometers	June, 2023	-	Identical under dual numbering

	Reviewed In : 2023 ISO 16622 : 2002	Acceptance Test methods for Mean Wind Measurements			
11	IS 16740 (Part 1) : 2018 17713-1 : 2007 Reviewed In : 2023 ISO 17713-1 : 2007	Meteorology - Wind Measurement Part 1 Wind Tunnel Test Methods for Rotating Anemometer Performance	June, 2023	-	Identical under dual numbering
12	IS 16741 : 2018 ISO 17714 : 2007 Reviewed In : 2023 ISO 17714 : 2007	Meteorology - Air Temperature Measurements Test Methods for Comparing the Performance of Thermometer Shields/Screens and Defining Important Characteristics	June, 2023	-	Identical under dual numbering
13	IS 18627 : 2024	Tipping Bucket Rain Gauges $\frac{1}{2}$ Specification		-	Indigenous
14	IS 18629 : 2024 ISO 19289 : 2015 ISO 19289 : 2015	Air Quality -- Meteorology --Siting Classifications for Surface Observing Stations on Land		-	Identical under dual numbering
15	IS 4849 : 1992 Reviewed In : 2019 Reaffirmed but not taken up for revision	Meteorology - Rain measures - Specification (First Revision)	February, 2019	1	Indigenous
16	IS 5225 : 1992 Reviewed In : 2019	Meteorology - Raingauge, non - Recording - Specification (First Revision)	February, 2019	-	Indigenous
17	IS 5235 : 1992 Reviewed In : 2019	Meteorology - raingauges recording - specification (First Revision)	February, 2019	1	Indigenous
18	IS 5793 : 2024	ANEROID BAROMETERS --SPECIFICATION		-	Indigenous
19	IS 5798 : 1970 Reviewed In : 2017	Specification for mercury barometers	March, 2017	1	Indigenous
20	IS 5799 : 1970 Reviewed In : 2017	Specification for windvane	March, 2017	-	Indigenous
21	IS 5900 : 1970 Reviewed In : 2019	Specification for hair hygrograph	February, 2019	1	Indigenous
22	IS 5901 : 1970 Reviewed In : 2019 Reaffirmed but not taken up for revision	Specification for thermograph, bimetallic	February, 2019	1	Indigenous
23	IS 5912 : 1997 Reviewed In : 2019	Specification for anemometer, cup counter (First Revision)	February, 2019	-	Indigenous
24	IS 5924 : 1988 Reviewed In : 2019 Reaffirmed but not taken up for revision	Specification for clock mechanisms and drums for meteorological instruments (First Revision)	February, 2019	1	Indigenous
25	IS 5945 : 1970 Reviewed In : 2019	Specification for barograph, aneroid	February, 2019	1	Indigenous
26	IS 5946 : 1992 Reviewed In : 2019 Reaffirmed but not taken up for revision	Meteorology - Whirling psychrometer - Specification (First Revision)	February, 2019	-	Indigenous
27	IS 5947 : 1970 Reviewed In : 2019 Reaffirmed but not taken up for revision	Charts for recording meteorological instruments	February, 2019	1	Indigenous

28	IS 5948 : 1970 Reviewed In : 2017	Specification for thermometer screens	March, 2017	-	Indigenous
29	IS 5973 : 1998 Reviewed In : 2019	Pan Evaporimeter - Specification (First Revision)	February, 2019	-	Indigenous
30	SP 61 : 1994 Reviewed In : 2019	General guidelines for automatic weather stations	February, 2019	1	Indigenous
31	IS 6805 : 1973 Reviewed In : 2019 Reaffirmed but not taken up for revision	Specification for assmann psychrometer	February, 2019	1	Indigenous
32	IS 6806 : 1973 Reviewed In : 2019	Specification for snowgauge	February, 2019	1	Indigenous
33	IS 6871 : 1992 Reviewed In : 2019 Reaffirmed but not taken up for revision	Wind equipment - Distant indicating - Specification (First Revision)	February, 2019	1	Indigenous
34	IS 7243 : 1974 Reviewed In : 2017	Specification for sunshine recorder	March, 2017	-	Indigenous
35	IS 7244 : 1974 Reviewed In : 2017	Specification for thermometer for mercury barometer	March, 2017	-	Indigenous
36	IS 8336 : 1977 Reviewed In : 2019	Specification for thermoelectric pyranometer	February, 2019	4	Indigenous
37	IS 8693 : 1978 Reviewed In : 2017	Specification for net pyrradiometer	March, 2017	2	Indigenous
38	IS 8693 : 2024	Net Pyrradiometer "â€” Specification (First Revision)		-	Indigenous
39	IS 8754 : 1992 Reviewed In : 2019	Electrical anemograph - Specification (First Revision)	February, 2019	1	Indigenous
40	IS 9085 : 1979 Reviewed In : 2017	Specification for correction slide for mercury barometers	March, 2017	1	Indigenous

Standards under Development

Projects Approved

SI. No.	Doc No.	Title
1	PGD 21 (25562)	WIND CONE ASSEMBLIES SPECIFICATION

Preliminary Draft Standards

SI. No.	Doc No.	Title
1	PGD 21 (24964) Revision of: IS 13436:1992	Sensitive Anemometer Specification
2	PGD 21 (24965) Revision of: IS 5799:1970	Wind Vane Specification

Drafts Standards in WC Stage

SI. No.	Doc No.	Title
1	PGD 21 (25030) Revision of: IS 6806:1973	Snow Gauge Specification

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
1	PGD 21 (24675) Revision	Meteorology -- Raingauge non-recording -- Specification second revision

	of: IS 6806:1973	
2	PGD 21 (24682) Revision of: IS 6806:1973	Meteorology -- Raingauges Recording -- Specification
3	PGD 21 (25029) Revision of: IS 6806:1973	Hair Hygrograph Specification

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:37 Total Standards Under development:7

Aspect Wise Report

Product : 32
Code of Practices : 2
Methods of Test : 3
Terminology : 0
Dimensions : 0
System Standard : 0
Safety Standard : 0
Others : 2
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 10473 : 1983 Reviewed In : 2019	Specification for Cloud Searchlight
2	IS 11121 : 1984 Reviewed In : 2019	Specification for pyranograph bimetallic

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 11875 : 1986 Reviewed In : 2019	Specification for diffuse pyranometer
2	IS 11876 : 1986 Reviewed In : 2019 Reaffirmed but not taken up for revision	Specification for airmeter
3	IS 12781 : 1989 Reviewed In : 2019 Reaffirmed but not taken up for revision	Marine bucket for sea surface temperature measurement - Specification
4	IS 13436 : 1992 Reviewed In : 2019	Sensitive anemometer - Specification
5	IS 13448 : 1992 Reviewed In : 2019	Meteorology - Thermoelectric Pyrheliometer - Specification
6	IS 13459 : 1992	Angstrom Pyrheliometer - Specification

	Reviewed In : 2019	
7	IS 15216 : 2002 Reviewed In : 2019 Reaffirmed but not taken up for revision	Balloons - Meteorological
8	IS 15253 : 2002 Reviewed In : 2019 Reaffirmed but not taken up for revision	Dew gauge - Specification
9	IS 18627 : 2024	Tipping Bucket Rain Gauges Specification
10	IS 4849 : 1992 Reviewed In : 2019 Reaffirmed but not taken up for revision	Meteorology - Rain measures - Specification First Revision
11	IS 5225 : 1992 Reviewed In : 2019	Meteorology - Raingauge non - Recording - Specification First Revision
12	IS 5235 : 1992 Reviewed In : 2019	Meteorology - raingauges recording - specification First Revision
13	IS 5793 : 2024	ANEROID BAROMETERS --SPECIFICATION
14	IS 5798 : 1970 Reviewed In : 2017	Specification for mercury barometers
15	IS 5799 : 1970 Reviewed In : 2017	Specifcations for windvane
16	IS 5900 : 1970 Reviewed In : 2019	Specification for hair hygograph
17	IS 5901 : 1970 Reviewed In : 2019 Reaffirmed but not taken up for revision	Specification for thermograph bimetallic
18	IS 5912 : 1997 Reviewed In : 2019	Specification for anemometer cup counter First Revision
19	IS 5924 : 1988 Reviewed In : 2019 Reaffirmed but not taken up for revision	Specification for clock mechanisms and drums for meteorological instruments First Revision
20	IS 5945 : 1970 Reviewed In : 2019	Specification for barograph aneroid
21	IS 5946 : 1992 Reviewed In : 2019 Reaffirmed but not taken up for revision	Meteorology - Whirling psychrometer - Specification First Revision
22	IS 5948 : 1970 Reviewed In : 2017	Specification for thermometer screens
23	IS 5973 : 1998 Reviewed In : 2019	Pan Evaporimeter - Specification First Revision
24	IS 6805 : 1973 Reviewed In : 2019 Reaffirmed but not taken up for revision	Specification for assmann psychrometer
25	IS 6806 : 1973 Reviewed In : 2019	Specification for snowgauge
26	IS 6871 : 1992 Reviewed In : 2019 Reaffirmed but not taken up for revision	Wind equipment - Distant indicating - Specification First Revision
27	IS 7243 : 1974 Reviewed In : 2017	Specification for sunshine recorder

28	IS 7244 : 1974 Reviewed In : 2017	Specification for thermometer for mercury barometer
29	IS 8336 : 1977 Reviewed In : 2019	Specification for thermoelectric pyranometer
30	IS 8693 : 2024	Net Pyrradiometer Specification First Revision
31	IS 8754 : 1992 Reviewed In : 2019	Electrical anemograph - Specification First Revision
32	IS 9085 : 1979 Reviewed In : 2017	Specification for correction slide for mercury barometers