

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** **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 : 2025 Reaffirmed but not taken up for revision	Specification for diffuse pyranometer	March, 2025	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 : 2025 Reaffirmed but not taken up for revision	Marine bucket for sea surface temperature measurement - Specification	August, 2025	-	Indigenous
4	IS 13436:1992 Reviewed In : 2019 Reaffirmed but not taken up for revision	Sensitive anemometer - Specification	February, 2019	-	Indigenous
5	IS 13448:1992 Reviewed In : 2025 Reaffirmed but not taken up for revision	Meteorology - Thermoelectric Pyrheliometer - Specification	March, 2025	-	Indigenous
6	IS 13459:1992 Reviewed In : 2025 Reaffirmed but not taken up for revision	Angstrom Pyrheliometer - Specification	March, 2025	-	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 : 2025	Velocity scale set for meteorological purposes	August, 2025	-	Indigenous
9	IS 15253:2002 Reviewed In : 2019	Dew gauge - Specification	February, 2019	-	Indigenous
10	IS 16739:2018 ISO 16622 : 2002 Reviewed In : 2023 ISO 16622 : 2002	Meteorology - Sonic Anemometers/Thermometers Acceptance Test methods for Mean Wind Measurements	June, 2023	-	Identical under dual numbering
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 : 2025 Decision taken to Reaffirm and Archive	Meteorology - Rain measures - Specification (First Revision)	August, 2025	1	Indigenous
16	IS 5225:2024	Meteorology -- Rain gauge, non-recording -- Specification (second revision)		-	Indigenous
17	IS 5235:2025	Meteorology — Raingauges, Recording — Specification (second revision)		-	Indigenous
18	IS 5235:1992 Reviewed In : 2024	Meteorology - raingauges recording - specification (First Revision)	January, 2024	1	Indigenous
19	IS 5793:2024	ANEROID BAROMETERS --SPECIFICATION		-	Indigenous
20	IS 5798:1970 Reviewed In : 2023	Specification for mercury barometers	June, 2023	1	Indigenous
21	IS 5799:1970 Reviewed In : 2017	Specification for windvane	March, 2017	-	Indigenous
22	IS 5900:2024	Hair Hygrograph - Specification (First Revision)		-	Indigenous
23	IS 5901:1970 Reviewed In : 2019 Reaffirmed but not taken up for revision	Specification for thermograph, bimetallic	February, 2019	1	Indigenous
24	IS 5912:1997 Reviewed In : 2025 Decision taken to Reaffirm and Archive	Specification for anemometer, cup counter (First Revision)	August, 2025	1	Indigenous
25	IS 5924:1988 Reviewed In : 2025 Reaffirmed but not taken up for revision	Specification for clock mechanisms and drums for meteorological instruments (First Revision)	August, 2025	1	Indigenous

26	IS 5946:1992 Reviewed In : 2025 Reaffirmed but not taken up for revision	Meteorology - Whirling psychrometer - Specification (First Revision)	August, 2025	-	Indigenous
27	IS 5947:1970 Reviewed In : 2025 Decision taken to Reaffirm and Archive	Charts for recording meteorological instruments	August, 2025	1	Indigenous
28	IS 5948:1970 Reviewed In : 2022	Specification for thermometer screens	June, 2022	-	Indigenous
29	IS 5973:1998 Reviewed In : 2025 Decision taken to Reaffirm and Archive	Pan Evaporimeter - Specification (First Revision)	August, 2025	-	Indigenous
30	SP 61:1994 Reviewed In : 2019	General guidelines for automatic weather stations	February, 2019	1	Indigenous
31	IS 6805:1973 Reviewed In : 2025 Reaffirmed but not taken up for revision	Specification for assmann psychrometer	August, 2025	1	Indigenous
32	IS 6806:2025	Snow Gauge - Specification (First Revision)		-	Indigenous
33	IS 6871:1992 Reviewed In : 2025 Decision taken to Reaffirm and Archive	Wind equipment - Distant indicating - Specification (First Revision)	August, 2025	1	Indigenous
34	IS 7243:1974 Reviewed In : 2023 Decision taken to Reaffirm and Archive	Specification for sunshine recorder	June, 2023	-	Indigenous
35	IS 7244:1974 Reviewed In : 2023 Decision taken to Reaffirm and Archive	Specification for thermometer for mercury barometer	June, 2023	-	Indigenous
36	IS 8336:1977 Reviewed In : 2025 Reaffirmed but not taken up for revision	Specification for thermoelectric pyranometer	March, 2025	4	Indigenous
37	IS 8693:2024	Net Pyrradiometer " Specification (First Revision)		-	Indigenous
38	IS 9085:1979 Reviewed In : 2022	Specification for correction slide for mercury barometers	June, 2022	1	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	PGD 21 (01665)	Meteorology 8722 Sonic anemometers thermometers 8722 Acceptance test methods for mean wind measurements
2	PGD 21 (01666)	Meteorology 8722 Wind measurements 8722 Part 1 Wind tunnel test methods for rotating anemometer performance
3	PGD 21 (01667)	Meteorology 8722 Air temperature measurements 8722 Test methods for comparing the thermometer shield screens and defining important characteristics
4	PGD 21 (17961)	Tipping Bucket Rain Gauges Specification
5	PGD 21 (18236) Revision of: IS 5793:1970	ANEROID BAROMETERS --SPECIFICATION
6	PGD 21 (18239) Revision of: IS 8693:1978	Net Pyrradiometer -- Specification
7	PGD 21 (23322)	Air Quality -- Meteorology --Siting Classifications for Surface Observing Stations on Land
8	PGD 21 (24675) Revision of: IS 5225:1992	Meteorology -- Rain gauge non-recording -- Specification second revision
9	PGD 21 (24682) Revision of: IS 5235:1992	Meteorology Raingauges Recording Specification second revision
10	PGD 21 (25029) Revision of: IS 5900:1970	Hair Hygrograph -- Specification First Revision
11	PGD 21 (25030) Revision of: IS 6806:1973	Snow Gauge -- Specification First Revision
12	PGD 21 (26498)	Specification for anemometer cup counter First Revision Amendment - 1
13	PGD 21 (27409)	Windsocks -- Specification

Total Published Standards:35 Total Standards Under development:13

Aspect Wise Report

Product : 30
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
3	IS 5945:1970 Reviewed In : 2019	Specification for barograph aneroid
4	IS 8754:1992 Reviewed In : 2019	Electrical anemograph - Specification First Revision

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 11875:1986 Reviewed In : 2025 Reaffirmed but not taken up for revision	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 : 2025 Reaffirmed but not taken up for revision	Marine bucket for sea surface temperature measurement - Specification
4	IS 13436:1992 Reviewed In : 2019 Reaffirmed but not taken up for revision	Sensitive anemometer - Specification
5	IS 13448:1992 Reviewed In : 2025 Reaffirmed but not taken up for revision	Meteorology - Thermoelectric Pyrheliometer - Specification
6	IS 13459:1992 Reviewed In : 2025 Reaffirmed but not taken up for revision	Angstrom Pyrheliometer - Specification
7	IS 15216:2002 Reviewed In : 2019 Reaffirmed but not taken up for revision	Balloons - Meteorological
8	IS 15253:2002 Reviewed In : 2019	Dew gauge - Specification
9	IS 18627:2024	Tipping Bucket Rain Gauges Specification
10	IS 4849:1992 Reviewed In : 2025 Decision taken to Reaffirm and Archive	Meteorology - Rain measures - Specification First Revision
11	IS 5225:2024	Meteorology -- Rain gauge non-recording -- Specification second revision
12	IS 5235:2025	Meteorology Raingauges Recording Specification second revision

13	IS 5793:2024	ANEROID BAROMETERS --SPECIFICATION
14	IS 5798:1970 Reviewed In : 2023	Specification for mercury barometers
15	IS 5799:1970 Reviewed In : 2017	Specification for windvane
16	IS 5900:2024	Hair Hygrograph - Specification First Revision
17	IS 5901:1970 Reviewed In : 2019 Reaffirmed but not taken up for revision	Specification for thermograph bimetallic
18	IS 5912:1997 Reviewed In : 2025 Decision taken to Reaffirm and Archive	Specification for anemometer cup counter First Revision
19	IS 5924:1988 Reviewed In : 2025 Reaffirmed but not taken up for revision	Specification for clock mechanisms and drums for meteorological instruments First Revision
20	IS 5946:1992 Reviewed In : 2025 Reaffirmed but not taken up for revision	Meteorology - Whirling psychrometer - Specification First Revision
21	IS 5948:1970 Reviewed In : 2022	Specification for thermometer screens
22	IS 5973:1998 Reviewed In : 2025 Decision taken to Reaffirm and Archive	Pan Evaporimeter - Specification First Revision
23	IS 6805:1973 Reviewed In : 2025 Reaffirmed but not taken up for revision	Specification for assmann psychrometer
24	IS 6806:2025	Snow Gauge - Specification First Revision
25	IS 6871:1992 Reviewed In : 2025 Decision taken to Reaffirm and Archive	Wind equipment - Distant indicating - Specification First Revision
26	IS 7243:1974 Reviewed In : 2023 Decision taken to Reaffirm and Archive	Specification for sunshine recorder
27	IS 7244:1974 Reviewed In : 2023 Decision taken to Reaffirm and Archive	Specification for thermometer for mercury barometer
28	IS 8336:1977 Reviewed In : 2025 Reaffirmed but not taken up for revision	Specification for thermoelectric pyranometer
29	IS 8693:2024	Net Pyrradiometer Specification First Revision
30	IS 9085:1979 Reviewed In : 2022	Specification for correction slide for mercury barometers

