

# BUREAU OF INDIAN STANDARDS

## Program of Work

### PGD 26 : Weights And Measures

**Scope:** Formulation of standards for weights, measures, weighing and measuring equipment intended to be used in transactions, for industrial production or for protection.

**Liaison:** **ISO TC-28 SC-2 (P):** *Measurement of petroleum and related products*

## Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 1056 : 2004 <i>Reviewed In : 2021</i>	COMMERCIAL WEIGHTS — SPECIFICATION (Third Revision)	April, 2021	-	Indigenous
2	IS 1057 : 2004 <i>Reviewed In : 2021</i>	Commercial carat weights - Specification (Third Revision)	April, 2021	-	Indigenous
3	IS 1058 : 1993 <i>Reviewed In : 2024</i> Decision taken to Reaffirm and Archive	Legal metrology - Commercial capacity measures - Specification (Second Revision)	April, 2024	-	Indigenous
4	IS 1059 : 1994 <i>Reviewed In : 2024</i>	Legal metrology - Commercial length measures (Non - Flexible) - Specification (First Revision)	April, 2024	-	Indigenous
5	IS 11547 (Part 1) : 1985 IEC 714 <i>Reviewed In : 2020</i>	Specification for electronic weighing - In - Motion systems: Part 1 terminology and design rules	July, 2020	-	Indigenous
6	IS 11547 (Part 2) : 1985 <i>Reviewed In : 2020</i>	Specification for electronic weighing - In - Motion systems: Part 2 requirements	July, 2020	-	Indigenous
7	IS 11547 (Part 3/Sec 1) : 1985 <i>Reviewed In : 2020</i>	Specification for electronic - Weighing - In - Motion system: Part 3 methods of tests: Sec 1 simulated tests	July, 2020	-	Indigenous
8	IS 11547 (Part 3/Sec 2) : 1985 <i>Reviewed In : 2020</i>	Specification for electronic weighing - In - Motion systems: Part 3 methods of tests: Sec 2 site tests	July, 2020	-	Indigenous
9	IS 1160 : 1993 <i>Reviewed In : 2024</i> Decision taken to Reaffirm and Archive	Metric dispensing measures - Specification (First Revision)	April, 2024	1	Indigenous
10	IS 1269 (Part 1) : 1997 <i>Reviewed In : 2024</i> Decision taken to Reaffirm and	Legal metrology - Material measures of length: Part 1 woven metallic and glass fiber tape measures (Second Revision)	April, 2024	1	Indigenous

	Archive				
11	IS 1269 (Part 2) : 1997 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Legal metrology - Material measures of length: Part 2 steel tape measures	April, 2024	1	Indigenous
12	IS 1433 : 1990 Reviewed In : 2022	Beam scales - Specification (Second Revision)	March, 2022	-	Indigenous
13	IS 1434 : 1959 Reviewed In : 2022	Specification for counter machines	March, 2022	-	Indigenous
14	IS 14439 (Part 1) : 1997 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Legal metrology - Gas volume meters: Part 1 general requirements	April, 2024	1	Indigenous
15	IS 14439 (Part 2) : 1998 Reviewed In : 2019	Legal metrology - Gas volume meters: Part 2 diaphragm gas meters	November, 2019	3	Indigenous
16	IS 1518 : 1980 Reviewed In : 2022	Method for gauging of petroleum and liquid petroleum products (First Revision)	March, 2022	-	Indigenous
17	IS 1519 (Part 1) : 1983 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Methods for temperature measurement of petroleum and its products: Part 1 at atmospheric pressure (First Revision)	April, 2024	-	Indigenous
18	IS 1519 (Part 2) : 1983 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Method for temperature measurement of petroleum and its products: Part 2 above atmospheric pressure (First Revision)	April, 2024	-	Indigenous
19	IS 15672 : 2006 Reviewed In : 2022 ISO 10790:1999	Flow measurement of natural gas and fluids by coriolis meters	March, 2022	-	Not Equivalent
20	IS 15673 : 2006 Reviewed In : 2022	Flow measurement of natural gas by rotary piston meters	March, 2022	1	Indigenous
21	IS 15674 : 2006 Reviewed In : 2022 ISO/CD 17089 , ISO/TR 12765: 1997	Flow measurement of natural gas by ultrasonic meter	March, 2022	1	Not Equivalent
22	IS 15675 : 2006 Reviewed In : 2022 ISO 5167-2:2003	Flow measurement of natural gas and fluids by orifice plate meters	March, 2022	1	Not Equivalent
23	IS 15676 : 2006 Reviewed In : 2022 ISO 9951 :1993	Flow measurement of natural gas by turbine meters	March, 2022	1	Not Equivalent
24	IS 15677 : 2006 Reviewed In : 2022	Metering of natural gas - Code of practice	March, 2022	1	Indigenous
25	IS 16514 (Part 1) : 2018  Reviewed In : 2024 Decision taken to Reaffirm and Archive	Non-Automatic Weighing Instruments Part 1 Terminology and Definitions	April, 2024	-	Indigenous

26	IS 16514 (Part 2) : 2019  Reviewed In : 2024 Decision taken to Reaffirm and Archive	Specification for Non-Automatic Weighing Instruments Part 2 Metrological and Technical Requirements	April, 2024	-	
27	IS 17008 : 2019  Reviewed In : 2024 Decision taken to Reaffirm and Archive	Weigh-in-Motion System for Road Vehicles Specification	April, 2024	-	Indigenous
28	IS 17080 (Part 1) : 2019  Reviewed In : 2024 Decision taken to Reaffirm and Archive	Automatic Gravimetric Filling Instruments Part 1 Terminology and Definitions	April, 2024	-	Indigenous
29	IS 17080 (Part 2) : 2020  Reviewed In : 2024 Decision taken to Reaffirm and Archive	Specification for Automatic Gravimetric Filling Instruments Part 2 Metrological and Technical Requirements	April, 2024	-	
30	IS 17141 (Part 1) : 2019 ISO 4266-1 : 2002 Reviewed In : 2024 Decision taken to Reaffirm and Archive ISO 4266-1: 2002	Petroleum and Liquid Petroleum Products "Measurement of Level and Temperature in Storage Tanks by Automatic Methods Part 1 Measurement of Level in Atmospheric Tanks	April, 2024	-	Identical under dual numbering
31	IS 17141 (Part 2) : 2019 ISO 4266-2 : 2002 Reviewed In : 2024 Decision taken to Reaffirm and Archive ISO 4266-2:2002	Petroleum and Liquid Petroleum Products "Measurement of Level and Temperature in Storage Tanks by Automatic Methods Part 2 Measurement of Level in Marine Vessels	April, 2024	-	Identical under dual numbering
32	IS 17141 (Part 4) : 2019 ISO 4266-4 : 2002 Reviewed In : 2024 Decision taken to Reaffirm and Archive ISO 4266-4:2002	Petroleum and Liquid Petroleum Products "Measurement of Level and Temperature in Storage Tanks by Automatic Methods Part 4 Measurement of Temperature in Atmospheric Tanks	April, 2024	-	Identical under dual numbering
33	IS 17141 (Part 5) : 2021 ISO 4266-5:2002 ISO 4266-5:2002	Petroleum and liquid petroleum products — Measurement of level and temperature in storage tanks by automatic methods Part 5: Measurement of temperature in marine vessels		-	Identical under dual numbering
34	IS 17582 : 2021	Specification for Infantometer		-	Indigenous

35	IS 17583 : 2021	Specification for Stadiometer		-	Indigenous
36	IS 2007 : 1974 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Method for calibration of vertical oil storage tanks (First Revision)	April, 2024	-	Indigenous
37	IS 2008 : 1961 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Method For Computation of Capacity Tables For Vertical Oil Storage Tanks	April, 2024	1	Indigenous
38	IS 2009 : 1975 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Method for calibration of horizontal and tilted oil storage tanks (First Revision)	April, 2024	-	Indigenous
39	IS 2164 : 1961 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Method for calculation of bulk - Quantities of petroleum and liquid petroleum products	April, 2024	-	Indigenous
40	IS 2166 : 1963 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Method for computation of capacity tables for horizontal and tilted oil storage tanks	April, 2024	1	Indigenous
41	IS 2341 : 1963 Reviewed In : 2022	Specification for large metric capacity calibrating measures (Non - Tilting type)	March, 2022	-	Indigenous
42	IS 2383 : 1963 Reviewed In : 2022	Code of practice for calibration of vehicle tanks for petroleum products and other liquids	March, 2022	-	Indigenous
43	IS 2747 : 1990 Reviewed In : 2022	Taximeters - performance requirements (First Revision)	March, 2022	2	Indigenous
44	IS 2801 : 1967 Reviewed In : 2022	Accuracy requirements for bulk meters used in petroleum trade	March, 2022	1	Indigenous
45	IS 2808 : 1964 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Method for computation of capacity tables for pressurized storage tanks	April, 2024	-	Indigenous
46	IS 2827 : 1976 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Methods for calibration of pressurized storage tanks (First Revision)	April, 2024	-	Indigenous
47	IS 3032 : 1965 Reviewed In : 2022	General requirements for testing the accuracy of commercial measuring instruments used in petroleum trade	March, 2022	-	Indigenous
48	IS 3033 : 1965 Reviewed In : 2022	Accuracy requirements for dispensing pumps used in petroleum trade	March, 2022	-	Indigenous
49	IS 3047 : 1965 Reviewed In : 2022	Accuracy Requirements For Volumetric Container Filling Machines Used In Petroleum Trade	March, 2022	-	Indigenous
50	IS 3515 : 1966 Reviewed In : 2022	Specification For Tapes For Use In Measurement Of Oil Quantities	March, 2022	1	Indigenous

51	SP 4 : 1969 Reviewed In : 2021 Reaffirmed but not taken up for revision	Metric Change In India	April, 2021	-	Indigenous
52	IS 4670 : 1993 Reviewed In : 2022	Legal Metrology - Liquor Measures - Specification (First Revision)	March, 2022	-	Indigenous
53	IS 4749 : 1974 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Method for calculation of bulk quantities of industrial aromatic hydrocarbons (First Revision)	April, 2024	-	Indigenous
54	IS/ISO 7507 : 2011 ISO 7507-2 : 2005 ISO 7507-2 : 2005	Petroleum and Liquid Petroleum Products " Calibration of Vertical Cylindrical Tanks Part 2 Optical-Reference-Line Method		-	Identical under dual numbering
55	IS/ISO 7507-1 : 2003  ISO 7507(Part 1):200	Petroleum and liquid petroleum products - Calibration of vertical cylindrical tanks: Part 1 strapping method		-	Identical under dual numbering
56	IS/ISO 7507-3 : 2006 ISO 7507-3 : 2006 ISO 7507-3 : 2006	Petroleum and Liquid Petroleum Products " Calibration of Vertical Cylindrical Tanks Part 3 Optical-Triangulation Method		-	Identical under dual numbering
57	IS/ISO 7507-4 : 2010 ISO 7507-4 : 2010 ISO 7507-4:2010	Petroleum and Liquid Petroleum Products " Calibration of Vertical Cylindrical Tanks Part 4 Internal Electro-Optical Distance-Ranging Method		-	Identical under dual numbering
58	IS/ISO 7507-5 : 2000 ISO 7507-5 : 2000 ISO 7507-5:2000	Petroleum and Liquid Petroleum Products " Calibration of Vertical Cylindrical Tanks Part 5 External Electro-Optical Distance-Ranging Method		-	Identical under dual numbering
59	IS 8818 : 1977 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Methods for measurement of petroleum gases and town gas in bulk	April, 2024	-	Indigenous

### Standards under Development

#### Projects Approved

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

#### Preliminary Draft Standards

SI. No.	Doc No.	Title
1	PGD 26 (23722) <span style="color: green;">Revision of: IS 14439:1998</span>	LEGAL METROLOGY GAS VOLUME METERS DIAPHRAGM GAS METERS

#### 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
1	PGD 26 (24427)	THERMAL MASS FLOW BASED GAS METERS SPECIFICATION
2	PGD 26 (25508)	An Update on The State of The Art of Metric System in India
3	PGD 26 (25939)	Commercial carat weights -- Specification fourth revision

### Finalized Draft Indian Standard

SI. No.	Doc No.	Title
1	PGD 26 (25928) Revision of: IS 1056:2004	Commercial weights -- Specification fourth revision

### Finalized Draft Indian Standards under Print

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

Total Published Standards:59 Total Standards Under development:5

### Aspect Wise Report

Product : 25  
Code of Practices : 3  
Methods of Test : 21  
Terminology : 3  
Dimensions : 1  
System Standard : 0  
Safety Standard : 0  
Others : 4  
Service Specification : 0  
Process Specification : 0  
Unclassified : 2

### Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 1270 : 1965	Metric Steel Tape Measure winding Type
2	IS 1432 : 1959	General Requirements For Weighing Instruments
3	IS 1435 : 1991 Reviewed In : 2014	Platform Weighing Machines - Specification First Revision
4	IS 1436 : 1991 Reviewed In : 2014	Weigh Bridges - Specification First Revision
5	IS 1437 : 1967 Reviewed In : 2019	Specification for automatic weighing machines
6	IS 1438 : 1960 Reviewed In : 2014	Specification for Crane Weighing Machines
7	IS 1439 : 1990 Reviewed In : 2014	Steelyards - Specification First Revision
8	IS 14439 (Part 3) : 1998 Reviewed In : 2003	Legal Metrology - Gas Volume Meters - Part 3 Rotary Piston and Turbine Gas Meters
9	IS 16514 : 2018	Non-Automatic Weighing Instruments Part 1 Terminology and Definitions
10	IS 1702 : 1967	Specification for Spring Balances First Revision

	Reviewed In : 2013	
11	IS 1853 : 1961 Reviewed In : 2013	Specification for Self-indicating and Semi-Self-Indicating Counter Type Weighing Machines
12	IS 1854 : 1964 Reviewed In : 2013	Specification for Person-weighing machines
13	IS 2489 : 1963 Reviewed In : 2014	Specification for Baby Weighing Machines
14	IS 3960 : 1967 Reviewed In : 2018	Specification for totaling weighing machines
15	IS 4070 : 1967 Reviewed In : 2013	Wheel Weighers
16	IS 4532 : 1968	Portable Scale For Jewellers
17	IS 4539 : 1968	Performance requirements for autorickshaw meter distance cum-time type
18	IS 5222 : 1969	Performance requirements for auto-rickshaw meter distance type

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

SI. No.	IS No. & Year	Title
1	IS 1056 : 2004 Reviewed In : 2021	COMMERCIAL WEIGHTS SPECIFICATION Third Revision
2	IS 1057 : 2004 Reviewed In : 2021	Commercial carat weights - Specification Third Revision
3	IS 1058 : 1993 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Legal metrology - Commercial capacity measures - Specification Second Revision
4	IS 1059 : 1994 Reviewed In : 2024	Legal metrology - Commercial length measures Non - Flexible - Specification First Revision
5	IS 11547 (Part 2) : 1985 Reviewed In : 2020	Specification for electronic weighing - In - Motion systems Part 2 requirements
6	IS 1160 : 1993 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Metric dispensing measures - Specification First Revision
7	IS 1269 (Part 1) : 1997 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Legal metrology - Material measures of length Part 1 woven metallic and glass fiber tape measures Second Revision
8	IS 1269 (Part 2) : 1997 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Legal metrology - Material measures of length Part 2 steel tape measures
9	IS 1433 : 1990 Reviewed In : 2022	Beam scales - Specification Second Revision
10	IS 1434 : 1959 Reviewed In : 2022	Specification for counter machines
11	IS 14439 (Part 1) : 1997 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Legal metrology - Gas volume meters Part 1 general requirements
12	IS 14439 (Part 2) : 1998 Reviewed In : 2019	Legal metrology - Gas volume meters Part 2 diaphragm gas meters
13	IS 15672 : 2006 Reviewed In : 2022 ISO 10790:1999	Flow measurement of natural gas and fluids by coriolis meters
14	IS 15673 : 2006	Flow measurement of natural gas by rotary piston meters

	Reviewed In : 2022	
15	IS 15674 : 2006 Reviewed In : 2022 ISO/CD 17089 , ISO/TR 12765: 1997	Flow measurement of natural gas by ultrasonic meter
16	IS 15675 : 2006 Reviewed In : 2022 ISO 5167-2:2003	Flow measurement of natural gas and fluids by orifice plate meters
17	IS 15676 : 2006 Reviewed In : 2022 ISO 9951 :1993	Flow measurement of natural gas by turbine meters
18	IS 17008 : 2019  Reviewed In : 2024 Decision taken to Reaffirm and Archive	Weigh-in-Motion System for Road Vehicles Specification
19	IS 17141 (Part 2) : 2019 ISO 4266-2 : 2002 Reviewed In : 2024 Decision taken to Reaffirm and Archive ISO 4266-2:2002	Petroleum and Liquid Petroleum Products Measurement of Level and Temperature in Storage Tanks by Automatic Methods Part 2 Measurement of Level in Marine Vessels
20	IS 17582 : 2021 ISO 7492:2019	Specification for Infantometer
21	IS 17583 : 2021 60603-12: 1992	Specification for Stadiometer
22	IS 2747 : 1990 Reviewed In : 2022	Taximeters - performance requirements First Revision
23	IS 2801 : 1967 Reviewed In : 2022	Accuracy requirements for bulk meters used in petroleum trade
24	IS 3515 : 1966 Reviewed In : 2022	Specification For Tapes For Use In Measurement Of Oil Quantities
25	IS 4670 : 1993 Reviewed In : 2022	Legal Metrology - Liquor Measures - Specification First Revision