

BUREAU OF INDIAN STANDARDS

Program of Work

WRD 1 : Hydrometry

Scope: Standardization of methods, procedures, instruments and equipment relating to techniques for hydrometric determination of water level, velocity, discharge and sediment transport in open channels and fluid flow in closed conduits, hydrological and meteorological investigations.

Liaison: **ISO TC-30 (O):** *Measurement of fluid flow in closed conduits* **ISO TC-30 SC-2 (O):** *Pressure differential devices* **ISO TC-30 SC-5 (O):** *Velocity and mass methods* **ISO TC-30 SC-7 (O):** *Volume methods including water meters* **ISO TC-113 (P):** *Hydrometry* **ISO TC-113 SC-1 (P):** *Velocity area methods* **ISO TC-113 SC-2 (P):** *Flow measurement structures* **ISO TC-113 SC-5 (P):** *Instruments, equipment and data management* **ISO TC-113 SC-6 (P):** *Sediment transport* **ISO TC-113 SC-8 (P):** *Ground water*

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 1191 : 2016 Reviewed In : 2021 ISO 4006:1991	Hydrometry - Vocabulary and symbols(Third Revision)	March, 2021	-	Identical under dual numbering
2	IS 1192 : 2013 ISO 748:2007 Reviewed In : 2023 ISO 748 : 2021	Hydrometry - Measurement of liquid flow in open channels using current - Meters or floats (Second Revision)	January, 2023	-	Identical under dual numbering
3	IS 1192 : 2024 ISO 748 : 2021 ISO 748 : 2021	Hydrometry " Measurement of Liquid Flow in Open Channels " Velocity Area Methods Using Point Velocity Measurements (Third Revision)		-	Identical under dual numbering
4	IS 1194 : 1960 Reviewed In : 2020	Forms for recording measurement of flow of water in open channels	August, 2020	-	Indigenous
5	IS 12752 : 2013 ISO 8368: 1999 Reviewed In : 2023 ISO 8368:1999	Hydrometric determinations - Flow measurements in open channels using structures - Guidelines for selection of structure (First Revision)	January, 2023	-	Identical under dual numbering
6	IS 13083 : 2017 Reviewed In : 2022 ISO 4377:1990	Liquid flow measurement in open channels ? flat - V weirs	April, 2022	-	Identical under dual numbering
7	IS 13084 : 1991 ISO 4374:1990 Reviewed In : 2022 ISO 4374:1990	Liquid flow measurement in open channels - Round - Nose horizontal broad - Crested weirs	September, 2022	-	Identical under dual numbering
8	IS 13371 : 2014 ISO 3455 : 2007 Reviewed In : 2023	Hydrometry - Calibration of current - Meters in straight open tanks (First Revision)	December, 2023	-	Identical under dual numbering

9	IS 14359 : 2014 ISO 4366 : 2007 Reviewed In : 2020 ISO 4366:2007	Hydrometry - Echo sounders for water depth measurements (First Revision)	January, 2020	-	Identical under dual numbering
10	IS 14371 : 2016 ISO 9826 : 1992 Reviewed In : 2021 ISO 9826:1992	Measurement of liquid flow in open channels - Parshall and Saniiiri flumes (First Revision)	March, 2021	-	Identical under dual numbering
11	IS 14573 : 2014 ISO 1088 Reviewed In : 2020 ISO 1088:2007	Hydrometry - Velocity - Area methods using current - Meters - Collection and processing of data for determination of uncertainties in flow measurement (First Revision)	January, 2020	-	Identical under dual numbering
12	IS 14615 (Part 1) : 2018 ISO 5167-1 : 2003 Reviewed In : 2023 ISO 5167-1:2003	Measurement of fluid flow by means of pressure differential devices inserted in circular crossSection conduits running full: Part 1 : general principles and requirements (First Revision)	March, 2023	-	Identical under dual numbering
13	IS 14615 (Part 2) : 2018 ISO 5167-2 : 2003 Reviewed In : 2023 ISO 5167(Part 1):2003	Measurement of fluid flow by means of pressure differential devices inserted in circular cross -: Sec conduits running full: Part 2 orifice plates	March, 2023	-	Identical under dual numbering
14	IS 14615 (Part 3) : 2024 Identical Identical	Measurement of Fluid Flow by Means of Pressure Differential Devices Inserted In Circular Cross-Section Conduits Running Full Part 3 Nozzles and Venturi Nozzles		-	Identical under dual numbering
15	IS 14615 (Part 4) : 2018 ISO 5167-4 : 2003 Reviewed In : 2023 ISO 5167(Part 4):2003	Measurement of fluid flow by means of pressure differential devices inserted in circular crossSection conduits running full: Part 4 venturi tubes	March, 2023	-	Identical under dual numbering
16	IS 14615 (Part 5) : 2019 ISO 5167â€™5 : 2016 Reviewed In : 2024 Decision taken to Reaffirm and Archive ISO 5167-5:2016	Measurement of Fluid Flow by Means of Pressure Differential Devices Inserted in Circular Cross-Section Conduits Running Full Part 5 Cone Meters	March, 2024	-	Identical under dual numbering
17	IS 14673 : 2022 4360 4360	Hydrometry - Open channel flow measurement using triangular profile weirs		-	Identical under dual numbering
18	IS 14869 : 2016 ISO 4359 : 2013 ISO 4359:2013	Flow measurement structures - Rectangular, trapezoidal and u - Shaped flumes (First Revision)	March, 2021	1	Identical under dual numbering
19	IS 14973 : 2019 ISO 3966:2008 Reviewed In : 2024 ISO 3966: 1997	Measurement of fluid flow in closed conduits - Velocity area method using pitot static tube (First Revision)	June, 2024	-	Identical under dual numbering
20	IS 14974 : 2018 ISO 3846:2008 Reviewed In : 2023	Hydrometry - Open channel flow measurement using rectangular broad crested weirs (First	September, 2023	-	Identical under dual numbering

	ISO 3846: 2008	Revision)			
21	IS 14975 : 2001 ISO 9827:1994 Reviewed In : 2022 ISO 9827:1994	Measurement of liquid flow in open channels - Streamlined triangular profile weirs	March, 2022	-	Identical under dual numbering
22	IS 15117 : 2018 ISO 4375 : 2014 Reviewed In : 2023 ISO 4375:2014	Hydrometry - Cableway systems for stream gauging (First Revision)	November, 2023	-	Identical under dual numbering
23	IS 15118 : 2014 ISO 4373 : 2008 Reviewed In : 2020 ISO 4373:2008	Hydrometry - Water level measuring devices (First Revision)	January, 2020	-	Identical under dual numbering
24	IS 15119 (Part 2) : 2014 ISO 1100-2 : 2010 Reviewed In : 2023 ISO 1100-2:2010	Hydrometry - Measurement of liquid flow in open channels: Part 2 determination of the stage - Discharge relationship (First Revision)	December, 2023	-	Identical under dual numbering
25	IS 15122 : 2014 ISO 2425 : 2010 Reviewed In : 2023 ISO 2425:2010	Measurement of liquid flow in open channels under tidal conditions	December, 2023	-	Identical under dual numbering
26	IS 15123 : 2002 ISO 4362:1999 Reviewed In : 2022 ISO 4362:1999	Hydrometric determinations - Flow measurement in open channels using structures - Trapezoidal broad - Crested weirs	September, 2022	-	Identical under dual numbering
27	IS 15124 : 2002 ISO 9195:1992 Reviewed In : 2022 ISO 9195:1992	Liquid flow measurement in open channels - Sampling and analysis of gravel - Bed material	September, 2022	-	Identical under dual numbering
28	IS 15352 : 2018 ISO 6420:2016 Reviewed In : 2023 ISO 6420:2016	Hydrometry - Position fixing equipment for hydrometric boats (First Revision)	September, 2023	-	Identical under dual numbering
29	IS 15353 : 2003 ISO 8333:1985 Reviewed In : 2023 ISO 8333:1985	Liquid flow measurement in open channels by weirs and flumes - V - Shped broad - Crested weirs	March, 2023	-	Identical under dual numbering
30	IS 15358 : 2003 ISO 9196:92 Reviewed In : 2023 ISO 9196:1992	Liquid flow measurement in open channels - Flow measurements under ice conditions	March, 2023	-	Identical under dual numbering
31	IS 15359 : 2003 ISO 11329:01 Reviewed In : 2023 ISO 11329:2001	Hydrometric determinations - Measurement of suspended sediment transport in tidal channels	March, 2023	-	Identical under dual numbering
32	IS 15360 : 2003 Reviewed In : 2023 ISO 4364:1997	Measurement of liquid flow in open channels - Bed material sampling	March, 2023	-	Not Equivalent
33	IS 15362 : 2003 ISO 14139:00 Reviewed In : 2023 ISO 14139:2000	Hydrometric determinations - Flow measurements in open channels using structures - Compound gauging structures	March, 2023	-	Identical under dual numbering
34	IS 15454 : 2004 Reviewed In : 2020 ISO/TR 9823:90	Liquid flow measurement in open channels - Velocity - Area method using a restricted number of verticals	January, 2020	-	Modified/Technically Equivalent
35	IS 15527 : 2020 ISO/TR 9210 : 2017	Hydrometry - Measurement in Meandering River and in Streams	-	-	Identical under dual numbering

	Reviewed In : 2020 ISO 9210:2017	with Unstable Boundaries (First Revision)			
36	IS 15646 : 2017 ISO/TR 9824 : 2007 Reviewed In : 2022 ISO 9824:2007	Hydrometry - Measurement of free surface flow in closed conduits (First Revision)	December, 2022	-	Identical under dual numbering
37	IS 15772 : 2014 ISO 9825 : 2005 Reviewed In : 2023 ISO 9825 :2005	Hydrometry - Field measurement of discharge in large rivers and rivers in flood (First Revision)	December, 2023	-	Not Equivalent
38	IS 15822 : 2008 Reviewed In : 2022 ISO/TR 11328 : 1994	Measurement of liquid flow in open channels - Equipment for the measurement of discharge under ice conditions	September, 2022	-	Not Equivalent
39	IS 15823 : 2009 Reviewed In : 2023 ISO/TR 11627:1998	Hydrometry - Computing stream flow using an unsteady flow model	March, 2023	-	Modified/Technically Equivalent
40	IS 15847 : 2020 ISO 9123 : 2017 Reviewed In : 2020 ISO 9123:2017	Hydrometry - Stage-fall-discharge Relationship (First Revision)	-	-	Identical under dual numbering
41	IS 15873 : 2010 Reviewed In : 2020 ISO/TR 11332:1998	Hydrometric determination - Unstable channels and ephemeral streams	January, 2020	-	Modified/Technically Equivalent
42	IS 15898 (Part 1) : 2012 ISO 9555 _1: 1994 Reviewed In : 2022 ISO 9555-1:1994	Measurement of liquid flow in open channels - Tracer dilution methods for the measurement of steady flow: Part 1 general	March, 2022	1	Identical under dual numbering
43	IS 15898 (Part 3) : 2011 ISO 9555-3:1992 Reviewed In : 2021 ISO 9555-3:1992	Measurement of liquid flow in open channels - Tracer dilution methods for the measurement of steady flow: Part 3 chemical tracers	March, 2021	-	Identical under dual numbering
44	IS 15898 (Part 4) : 2012 ISO 9555_4 : 1992 Reviewed In : 2022 ISO 9555-4:1992	Measurement of liquid flow in open channels - Tracer dilution methods for the measurement of steady flow: Part 4 fluorescent tracers	March, 2022	-	Identical under dual numbering
45	IS 16091 : 2013 Reviewed In : 2023 ISO 11655:1995	Measurement of liquid flow in open channels - Method of specifying performance of hydrometric equipment	December, 2023	-	Modified/Technically Equivalent
46	IS 16138 : 2013 ISO/TS 15768:2000 Reviewed In : 2023 ISO/TS 15768:2000	Measurement of liquid velocity in open channels - Design, selection and use of electromagnetic current meters	December, 2023	-	Identical under dual numbering
47	IS 16222 : 2018 ISO/TR 9212 : 2015 Reviewed In : 2023 ISO 9212 :2015	Hydrometry - Methods of measurement of bedload discharge (First Revision)	June, 2023	-	Identical under dual numbering
48	IS 16223 : 2014 ISO 15769 : 2010 Reviewed In : 2023 ISO 15769:2010	Hydrometry - Guidelines for the application of acoustic velocity meters using the doppler and echo correlation methods	December, 2023	-	Identical under dual numbering
49	IS 16274 : 2018 ISO/TS 24155 : 2016 Reviewed In : 2023	Hydrometry - Hydrometric data transmission systems - Specification of system requirements (First Revision)	September, 2023	-	Identical under dual numbering

	ISO 24155:2016				
50	IS 16364 : 2017 Reviewed In : 2022 ISO/TS 25377 : 2007	Hydrometric uncertainty - Guidance (Hug)	March, 2022	-	Modified/Technically Equivalent
51	IS 16571 : 2017 ISO 4369 : 1979 Reviewed In : 2022 ISO 4369: 1979	Measurement of liquid flow in open channels - Moving - Boat method	December, 2022	-	Identical under dual numbering
52	IS 16696 : 2018 ISO 11657: 2014 Reviewed In : 2023 ISO 11657: 2014	Hydrometry - Suspended sediment in streams and canals - Determination of concentration by surrogate techniques	January, 2023	-	Identical under dual numbering
53	IS 16697 : 2018 ISO 13550 : 2002 Reviewed In : 2023 ISO 13550:2002	Hydrometric determinations - Flow measurements in open channels using structures - Use of vertical underflow gates	March, 2023	-	Identical under dual numbering
54	IS 16698 : 2019 ISO 18365 : 2013 Reviewed In : 2024 Decision taken to Reaffirm and Archive ISO 18365:2013	Hydrometry - Selection, establishment and operation of a gauging station	March, 2024	-	Identical under dual numbering
55	IS 16725 (Part 1) : 2014 Reviewed In : 2024	Hydrometry " Acoustic Doppler Profiler " Method and Application for Measurement of Flow in Open Channels	September, 2024	-	
56	IS 16804 : 2018 ISO 26906 : 2015 Reviewed In : 2023 ISO 26906:2015	Hydrometry - Fish passes at flow measurement structures	November, 2023	-	Identical under dual numbering
57	IS 16849 : 2018 ISO/TR 11651 : 2015 Reviewed In : 2023 ISO/TR 11651:2015	Estimation of sediment deposition in reservoir deposition using one dimensional simulation models	November, 2023	-	Identical under dual numbering
58	IS 17271 : 2020 ISO 6416 : 2017 Reviewed In : 2020 ISO 6416:2017	Hydrometry " Measurement of Discharge by Ultrasonic Transit Time (Time of Flight) Method	-	-	Identical under dual numbering
59	IS 17272 : 2021 ISO/TR 19234 : 2016 ISO 19234:2016	Hydrometry - Low Cost Baffle Solution to Aid Fish Passage at Triangular Profile Weirs that Conform to ISO 4360		-	Identical under dual numbering
60	IS 17273 : 2021 ISO 4006 : 1991	Measurement of Fluid Flow in Closed Conduits - Vocabulary and Symbols		-	
61	IS 17287 : 2021 ISO 4185 : 1980 ISO 4185:1980	Measurement of Fluid Flow in Closed Conduits - Weighing Method		-	Identical under dual numbering
62	IS 17288 : 2021 ISO 5168 : 2005 ISO 5168:2005	Measurement of Fluid Flow - Procedures for Evaluation of Uncertainties		-	Identical under dual numbering
63	IS 17289 : 2021 ISO 8316 : 1987 ISO 8316:1987	Measurement of Liquid Flow in Closed Conduits - Method by Collection of the Liquid in a Volumetric Tank		-	Identical under dual numbering

64	IS 17290 (Part 1) : 2021 ISO 9368-1 : 1990 ISO 9368:1990	Measurement of Liquid Flow in Closed Conduits by Weighing Method - Procedures for Checking Installations Part 1 Static Weighing Systems		-	Identical under dual numbering
65	IS 17484 : 2020 ISO 18481 : 2017 ISO 18481:2017	Hydrometry - Liquid Flow Measurement Using End Depth Method in Channels with a Free Overfall		-	Identical under dual numbering
66	IS 17485 : 2020 ISO 2975-1 : 1974 ISO 2975 Part 1: 197	Measurement of Water Flow in Closed Conduits - Tracer Method Part 1 General		-	Identical under dual numbering
67	IS 17485 (Part 2) : 2021 ISO 2975 Part 2: 197 ISO 2975 Part 2: 197	Measurement of water flow in closed conduits- Tracer Method Part 2 : Constant rate injection method using non-radioactive tracers Adoption of ISO 2975-2:1975		-	Identical under dual numbering
68	IS 17485 (Part 3) : 2021 ISO 2975 -3 :1976 ISO 2975 -3 :1976	Measurement of water flow in closed conduits- Tracer Method Part 3 : Constant rate injection method using radioactive tracers Adoption of ISO 2971-3:1976		-	Identical under dual numbering
69	IS 17485 (Part 6) : 2021 ISO 2975 Part 6: 197 ISO 2975 Part 6: 197	Measurement of water flow in closed conduits- Tracer Method Part 6 : Transit time method using non-radioactive tracers Adoption of ISO 2971-6:1977		-	Identical under dual numbering
70	IS 17485 (Part 7) : 2021 ISO 2975 Part 7: 197 ISO 2975 Part 7: 197	Measurement of water flow in closed conduits- Tracer Method Part 7 : Transit time method using radioactive tracers Adoption of ISO 2971-7:1977		-	Identical under dual numbering
71	IS 2912 : 2022 1070 1070	Liquid flow measurement in open channels-slope-area method		-	Identical under dual numbering
72	IS 2951 (Part 1) : 1965 Reviewed In : 2022	Recommendation for estimation of flow of liquids in closed conduits: Part i head loss in straight pipes due to frictional resistance	September, 2022	-	Indigenous
73	IS 2951 (Part 2) : 1965 Reviewed In : 2022	Recommendation for estimation of flow of liquids in closed conduits: Part 2 head loss in valves and fittings	September, 2022	1	Indigenous
74	IS 3910 : 2013 ISO 2537:2007 Reviewed In : 2023 ISO 2537:2007	Hydrometry - Rotating - Element current - Meters (Second Revision)	January, 2023	-	Identical under dual numbering
75	IS 3911 : 1994 Reviewed In : 2020	Surface floats - Functional requirements (First Revision)	January, 2020	-	Indigenous
76	IS 3912 : 2013 ISO 3454: 2008 Reviewed In : 2023 ISO 3454:2008	Hydrometry - Direct depth sounding and suspension equipment (Second Revision)	January, 2023	-	Identical under dual numbering
77	IS 3913 : 2014 Reviewed In : 2020 ISO/TS 3716:2006	Hydrometry - Functional requirements and characteristics of suspended - Sediment samplers (Second Revision)	March, 2020	-	Modified/Technically Equivalent

78	IS 3917 : 2003 ISO 4364 Reviewed In : 2023 ISO 4364	Scoop type bed material samplers - Specification (First Revision)	March, 2023	-	Identical under dual numbering
79	IS 3918 : 1966 Reviewed In : 2020	Code of practice for use of current meter (Cup Type) for water flow measurement	August, 2020	1	Indigenous
80	IS 4073 : 1967 Reviewed In : 2020	Specification for fish weights	August, 2020	-	Indigenous
81	IS 4080 : 1994 Reviewed In : 2020	Vertical staff gauges - Functional requirements (First Revision)	January, 2020	-	Indigenous
82	IS 4477 (Part 2) : 1975 Reviewed In : 2020	Method of measurement of fluid flow by means of venturi meters: Part ii compressible fluids	August, 2020	-	Indigenous
83	IS 4858 : 1968 Reviewed In : 2020	Specification for velocity rods	August, 2020	-	Indigenous
84	IS 4890 : 1968 Reviewed In : 2020 ISO 4363:2002	Methods for measurement of suspended sediment in open channels	August, 2020	1	Not Equivalent
85	IS 4986 : 2002 Reviewed In : 2022	Installation of raingauge (Non - Recording Type) and measurement of rain - Code of practice (Second Revision)	September, 2022	-	Indigenous
86	IS 4987 : 1994 Reviewed In : 2020	Recommendations for establishing network of raingauge stations (First Revision)	January, 2020	-	Indigenous
87	IS 5542 : 2003 Reviewed In : 2020	Guide for storm analysis (First Revision)	January, 2020	-	Indigenous
88	IS 6062 : 1971 Reviewed In : 2020	Method of measurement of flow of water in open channels using standing wave flume - Fall	January, 2020	-	Indigenous
89	IS 6063 : 1971 Reviewed In : 2020	Method of measurement of flow of water in open channels using standing wave flume	January, 2020	-	Indigenous
90	IS 6064 : 1971 Reviewed In : 2020	Specification for sounding and suspension equipment	August, 2020	-	Indigenous
91	IS 6339 : 2013 Reviewed In : 2023 ISO 4365:2005	Hydrometry - Sediment in streams and canals - Determination of concentration, particle size distribution and relative density (First Revision)	January, 2023	-	Not Equivalent
92	IS 8389 : 2003 Reviewed In : 2023	Installation and use of raingauges, recording - Code of practice (Second Revision)	March, 2023	-	Indigenous
93	IS 9108 : 2020 ISO 1438 : 2017 Reviewed In : 2020 ISO 1438:2017	Hydrometry — Open Channel Flow Measurement Using Thin-Plate Weirs (Second Revision)	-	-	Identical under dual numbering
94	IS 9115 : 2002 Reviewed In : 2022	Method for estimation of incompressible fluid flow in closed conduits by bend meters (first Revision)	September, 2022	-	Indigenous
95	IS 9116 : 2002 Reviewed In : 2022	Water stage recorder (Float Type) - Specification (First Revision)	September, 2022	-	Indigenous
96	IS 9118 : 1979 Reviewed In : 2020	Method for measurement of pressure by means of manometers	August, 2020	1	Indigenous
97	IS 9119 : 1979 Reviewed In : 2021	Method of flow estimation by jet characteristics (Approximate Method)	March, 2021	-	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
1	WRD 1 (20496) Revision of: IS 1191:2016	HYDROMETRY VOCABULARY AND SYMBOLS
2	WRD 1 (23843) Revision of: IS 4890:1968	Methods for Measurement of Suspended Sediment in Open Channels

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	WRD 1 (19429) Revision of: IS 9119:1979	METHOD OF FLOW ESTIMATION BY JET CHARACTERISTICS APPROXIMATE METHODS
2	WRD 1 (20332) Revision of: IS 13371:2014	Hydrometry - Calibration of current - Meters in straight open tanks
3	WRD 1 (20347) Revision of: IS 14973:2019	Measurement of Fluid Flow in Closed Conduits Velocity Area Method Using Pitot Static Tube
4	WRD 1 (20512) Revision of: IS 3913:2014	HYDROMETRY FUNCTIONAL REQUIREMENTS AND CHARACTERISTICS OF SUSPENDED- SEDIMENT SAMPLERS
5	WRD 1 (21458) Revision of: IS 12752:2013	Hydrometric Determinations Flow Measurement in Open Channels Using Structures Guidelines for Selection of Structure Second Revision
6	WRD 1 (22021) Revision of: IS 4080:1994	VERTICAL STAFF GAUGES-FUNCTIONAL REQUIREMENTS SECOND REVISION
7	WRD 1 (22063) Revision of: IS 14615:2018	Measurement of Fluid Flow by Means of Pressure Differential Devices Inserted In Circular Cross Section Conduits Running Full Part 1 General Principles And Requirements Second Revision
8	WRD 1 (22064) Revision of: IS 14615:2018	Measurement of Fluid Flow by Means of Pressure Differential Devices Inserted In Circular Cross Section Conduits Running Full Part 4 Venturi Tubes
9	WRD 1 (22080) Revision of: IS 14615:2018	Measurement of fluid flow by means of pressure differential devices inserted in circular cross - Sec conduits running full Part 2 orifice plates
10	WRD 1 (23721) Revision of: IS 14869:2016	FLOW MEASUREMENT STRUCTURES RECTANGULAR TRAPEZOIDAL AND U-SHAPED FLUMES
11	WRD 1 (23881) Revision of: IS 16725:2014	Hydrometry Acoustic Doppler profiler Method and application for measurement of flow in open channels from a moving boat

Aspect Wise Report

Product : 6
 Code of Practices : 87
 Methods of Test : 0
 Terminology : 0
 Dimensions : 0
 System Standard : 0
 Safety Standard : 0
 Others : 0
 Service Specification : 0
 Process Specification : 0
 Unclassified : 3

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 1193 : 1959	Methods for Measurements of Flow of Water in Open Channels Using Notches Weirs and Flumes
2	IS 14574 : 1998 ISO 4371:1984 Reviewed In : 2020 ISO 4371:1984	Measurement of liquid flow in open channels by weirs and flumes - End depth method for estimation of flow in non - Rectangular channels with a free overfall Approximate Method
3	IS 15119 (Part 1) : 2002 ISO 1100-1:1996 Reviewed In : 2017	Measurement of Liquid Flow in Open Channels - Part 1 Establishment and Operation of a Gauging Station
4	IS 15646 (Part 1) : 2006 Reviewed In : 2016	Measurements of free surface flow in closed conduits Part 1 Methods
5	IS 15646 (Part 2) : 2006 Reviewed In : 2016	Measurements of free surface flow in closed conduits Part 2 Equipment
6	IS 2913 : 1964 Reviewed In : 1995	Recommendation for determination of flow in tidal channels
7	IS 2914 : 1964 Reviewed In : 1998	Recommendations for Estimation of Discharges by Establishing Stage-discharge Relation in Open Channels
8	IS 2915 : 1965	Instructions for Collection of Data for the Determination of Error in Measurement of Flow by Velocity Area Methods
9	IS 2952 (Part 1) : 1964	Recommendation for Methods of Measurement of Fluid Flow by Means of Orifice Plates and Nozzles - Part I Incompressible Fluids
10	IS 2952 (Part 2) : 1975	Recommendations for methods of measurement of liquid flow by means of orifice plates and nozzles Part 2 Compressible fluids
11	IS/ISO 4362 : 1992	Measurement of Liquid flow in Open Channels - Trapezoidal Profile Weirs
12	IS 4477 (Part 1) : 1967 Reviewed In : 2000	Method of Measurement of Fluid Flow by Means of Venturi Meters - Part I Liquids
13	IS 6059 : 1971 Reviewed In : 1998	Recommendations for liquid flow measurement in open channels by weirs and flumes - weirs of finite crest width for free discharge
14	IS 6330 : 2012 ISO 3847 : 1977 Reviewed In : 2022 ISO 3847:1977	Liquid flow measurement in open channels by weirs and flumes - End - Depth method for estimation of flow in rectangular channels with a free overfall First Revision
15	IS 9117 : 1979 Reviewed In : 1990	Recommendation for Liquid Flow Measurement in Open Channels by Weirs and Flumes - End Depth Method for Estimation of Flow in non Rectangular Channels with a Free Overall Approximate Method
16	IS 9163 (Part 1) : 1979 ISO 9555-1 Reviewed In : 2011	Dilution Methods for Measurement of Steady Flow - Part I Constant Rate Injection Method
17	IS 9922 : 2010	Measurement of Liquid Flow in Open Channels - General Guidelines for Selection of Method

Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS 3917 : 2003 ISO 4364 Reviewed In : 2023 ISO 4364	Scoop type bed material samplers - Specification First Revision
2	IS 4073 : 1967 Reviewed In : 2020	Specification for fish weights
3	IS 4477 (Part 2) : 1975 Reviewed In : 2020	Method of measurement of fluid flow by means of venturi meters Part ii compressible fluids
4	IS 4858 : 1968 Reviewed In : 2020	Specification for velocity rods
5	IS 6064 : 1971 Reviewed In : 2020	Specification for sounding and suspension equipment
6	IS 9116 : 2002 Reviewed In : 2022	Water stage recorder Float Type - Specification First Revision