

BUREAU OF INDIAN STANDARDS

Program of Work

WRD 16 : Hydraulic Structures Instrumentation

Scope: Standardization of criteria for selection, installation, usage and maintenance of instruments used for the measurement of displacement, strain, stress, temperature etc. in hydraulic structures.

Liaison:

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10334 : 1982 Reviewed In : 2020	Code of practice for selection, splicing, installation and providing protection to the open ends of cables used for connecting resistance type measuring devices in concrete and masonry dams	March, 2020	-	Indigenous
2	IS 10434 (Part 1) : 2003 Reviewed In : 2023	Installation, maintenance and observation of deformation measuring devices in concrete and masonry dams - Guidelines: Part 1 resistance type jointmeters (First Revision)	March, 2023	-	Indigenous
3	IS 10434 (Part 2) : 1996 Reviewed In : 2020	Guidelines for installation, maintenance and observation of preformation measuring devices in concrete and mas - Onry dams: Part 2 vibrating, wire type jointmeter	March, 2020	1	Indigenous
4	IS 12949 : 2013 Reviewed In : 2023	Installation, maintenance and observation of instruments for pore pressure measurements in earth and rockfill dams - Vibrating wire type electrical pore pressure cell - Code of practice (First Revision)	March, 2023	-	Indigenous
5	IS 13073 (Part 1) : 2002 Reviewed In : 2023	Installation, maintenance and observation of displacement measuring devices in concrete and masonry dams - Code of practice: Part 1 deflection measurement using plumb lines (First Revision)	March, 2023	-	Indigenous
6	IS 13073 (Part 2) : 2000 Reviewed In : 2020	Code of practice for installation, maintenance and observation of displacement measuring devices for concrete and masonry dams: Part 2 geodetic observation - Crest collimation	March, 2020	-	Indigenous
7	IS 13232 : 1992	Installation, maintenance and	March, 2023	-	Indigenous

	Reviewed In : 2023	observations of electrical strain measuring devices in concrete dams - Code of practice			
8	IS 14248 : 1995 Reviewed In : 2020	Guidelines for instrumentation of barrages and weirs	March, 2020	-	Indigenous
9	IS 14278 : 1995 Reviewed In : 2020	Stress measuring devlCes In concrete and masonry dams - Installation, commissioning and observations - Code of practice	March, 2020	1	Indigenous
10	IS 14750 : 2014 Reviewed In : 2020	Code of practice for installation, maintenance and observation of seepage measuring devices for concrete/masonry and earth/rockfill dams (First Revision)	March, 2020	-	Indigenous
11	IS 14793 : 2013 Reviewed In : 2023	Installation, maintenance and observation of the instruments for vibration studies other than earthquakes on hydraulic structures and machines - Code of practice (First Revision)	March, 2023	-	Indigenous
12	IS 17158 : 2019 Reviewed In : 2024	Guide for type of measurement, choice of location and type of instruments for underground power house	May, 2024	-	Indigenous
13	IS 6524 : 1972 Reviewed In : 2023	Code of practice for installation and observation of instruments for temperature measurements inside dams : resistance type thermometers	March, 2023	1	Indigenous
14	IS 6532 : 1972 Reviewed In : 2020	Code of practice for design, installation, observation and maintenance of uplift pressure pipes for hydraulic structures on permeable foundations	March, 2020	-	Indigenous
15	IS 7356 (Part 1) : 2002 Reviewed In : 2021	Code of practice for installation, maintenance and observation of instruments for pore pressure measurements in earth dams and rockfill dams - Part 1 : porous	April, 2021	1	Indigenous
16	IS 7356 (Part 2) : 2003 Reviewed In : 2023	Installation, observation and maintenance of instruments for pore pressure measurements in earth and rockfill dams - Code of practice: Part 2 twin tube hydraulic piezometers (Second Revision)	March, 2023	-	Indigenous
17	IS 7436 (Part 1) : 1993 Reviewed In : 2023	Guide fort ypes of measurements for structures in river valley projekts and critbria for choice and location of measuring instruments: Part 1 for earth and rockfill dams (First Revision)	March, 2023	-	Indigenous
18	IS 7436 (Part 2) : 2019 Reviewed In : 2024	Guide for types of measurements for structures in river valley projects and criteria for choice and location of measuring instrument: Part 2 concrete and masonry dams (Second Revision)	July, 2024	1	Indigenous
19	IS 7500 : 2000 Reviewed In : 2020	Code of practice for installation and observation of cross arms for	March, 2020	-	Indigenous

		measurement of internal vertical movement in earth dams (First Revision)			
20	IS 8226 : 2017 Reviewed In : 2022	Installation and observation of base plate apparatus for measurement of foundation settlement in embankments - Code of practice (First Revision)	December, 2022	-	Indigenous
21	IS 8282 (Part 1) : 1976 Reviewed In : 2023	Code of practice for installation, maintenance and observations of pore pressure measuring devices in concrete and masonry dams: Part 1 electrical resistance type cell	March, 2023	-	Indigenous
22	IS 8282 (Part 2) : 1996 Reviewed In : 2020	Installation, maintenance and observations of pore pressure measuring devices in concrete and masonry dams - Code of practice: Part 2 vibrating wire type cell	March, 2020	-	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
<i>No Records Found</i>		

Total Published Standards:22 Total Standards Under development:0

Aspect Wise Report

Product : 0
Code of Practices : 21

Methods of Test : 0
Terminology : 0
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
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SI. No.	IS No. & Year	Title
<i>No Records Found</i>		

Annexure-II :List of Indian Product Standards
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SI. No.	IS No. & Year	Title
<i>No Records Found</i>		