

BUREAU OF INDIAN STANDARDS

Program of Work

WRD 12 : Hydraulic Gates and Valves

Scope: Standardization of criteria for selection, design, construction, maintenance, operation and testing of gates and valves.

Liaison:

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10021 : 2000 Reviewed In : 2023	Guidelines for de - Icing system for hydraulic installations (First Revision)	March, 2023	-	Indigenous
2	IS 10096 (Part 1/Sec 1) : 2014 Reviewed In : 2020	Recommendations for inspection; testing and maintenance of radial gates and their hoists: Part 1 inspection, testing and assembly at the manufacturing stage: Sec 1 gates	February, 2020	-	Indigenous
3	IS 10096 (Part 1/Sec 2) : 2014 Reviewed In : 2024	Recommendations for inspection, testing and maintenance of radial gates and rope drum hoists: Part 1 inspection, testing and assembly at the manufacturing stage: Sec 2 rope drum hoists (First Revision)	June, 2024	-	Indigenous
4	IS 10096 (Part 2) : 1983 Reviewed In : 2020	Recommendations for inspection, testing and maintenance of radial gates and their hoists: Part 2 inspection, testing and assembly at the time of erection	March, 2020	2	Indigenous
5	IS 10096 (Part 3) : 2002 Reviewed In : 2023	Recommendations for inspection, testing and maintenance of radial gates and rope drum hoists: Part 3 after erection (Second Revision)	March, 2023	1	Indigenous
6	IS 10210 : 1993 Reviewed In : 2023	Criteria for design of hydraulic hoists for gates (First Revision)	March, 2023	1	Indigenous
7	IS 11228 : 2023	Recommendations for design of screw hoists for hydraulic gates First revision		-	Indigenous
8	IS 11793 : 1986 Reviewed In : 2020	Guidelines for design of float driven hoisting mechanism for automatic gated control	March, 2020	-	Indigenous
9	IS 11855 : 2017 Reviewed In : 2022	Design and use of rubber seals for hydraulic gates - Recommendations (Second Revision)	July, 2022	-	Indigenous
10	IS 13041 : 2013 Reviewed In : 2023	Recommendations for inspection, testing and maintenance of	March, 2023	-	Indigenous

		hydraulic hoist (After Erection) (First Revision)			
11	IS 13591 : 2019 Reviewed In : 2024	Criteria for design of lifting beams (First Revision)	August, 2024	-	Indigenous
12	IS 13623 : 1993 Reviewed In : 2023	Criteria for choice of gates and hoists	March, 2023	1	Indigenous
13	IS 14177 : 2023	PAINTING SYSTEM FOR HYDRAULIC GATES AND HOISTS - GUIDELINES First Revision of IS 14177		-	Indigenous
14	IS 4410 (Part 16/Sec 1) : 1999 Reviewed In : 2023	Glossary of terms relating to river valley projects: Part 16 gates and valves: Sec 1 gate and Terms related with gates (First Revision)	March, 2023	-	Indigenous
15	IS 4410 (Part 16/Sec 2) : 1981 Reviewed In : 2020	Glossary of terms relating to river valley projects: Part xvi gates and valves: Sec 2 valves	February, 2020	-	Indigenous
16	IS 4410 (Part 23) : 1999 Reviewed In : 2023	Glossary of terms relating to river valley projects	March, 2023	-	Indigenous
17	IS 4622 : 2020 Reviewed In : 2020	Recommendations for Structural Design of Fixed-Wheel Gates (Fourth Revision)	-	-	Indigenous
18	IS 4623 : 2000 Reviewed In : 2024	Recommendations for structural design of radial gates (Third Revision)	March, 2024	-	Indigenous
19	IS 5620 : 2020 Reviewed In : 2020	Recommendations for Structural Design Criteria for Low Head Slide Gates (Third Revision)	-	-	Indigenous
20	IS 6938 : 2005 Reviewed In : 2020	Design of rope drum and chain hoists for hydraulic gates - Code of practice (Second Revision)	February, 2020	2	Indigenous
21	IS 7326 (Part 1) : 1992 Reviewed In : 2023	Penstock and turbine inlet butterfly valves for hydropower stations and systems: Part 1 criteria for structural and hydraulic design (First Revision)	March, 2023	-	Indigenous
22	IS 7326 (Part 2) : 1992 Reviewed In : 2023	Penstock and turbine inlet butterfly valves for hydro - Power stations and systems: Part 2 guidelines for design and selection of control	March, 2023	-	Indigenous
23	IS 7326 (Part 3) : 1976 Reviewed In : 2023	Penstock and turbine inlet butterfly valves for hydropower stations and systems: Part 3 recommendations for operations and maintenance	March, 2023	-	Indigenous
24	IS 7332 (Part 1) : 1991 Reviewed In : 2023	Spherical valves for hydropower stations and systems: Part 1 criteria for structural and hydraulic design (First Revision)	March, 2023	1	Indigenous
25	IS 7332 (Part 2) : 1993 Reviewed In : 2023	Spherical valves for hydropower stations and systems: Part 2 selection of control equipment (First Revision)	March, 2023	-	Indigenous
26	IS 7332 (Part 3) : 1994 Reviewed In : 2023	Spherical valves for hydropower stations and systems: Part 3 recommendations for operation and maintenance of spherical valves (First Revision)	March, 2023	-	Indigenous

27	IS 7718 : 2018 Reviewed In : 2023	Recommendations for inspection, testing and maintenance of fixed wheel and slide gate (Second Revision)	January, 2023	-	Indigenous
28	IS 9349 : 2006 Reviewed In : 2020	Recommendations for structural design of medium and high head slide gates (Second Revision)	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
1	WRD 12 (26022) Revision of: IS 4622:2020	RECOMMENDATIONS FOR STRUCTURAL DESIGN OF FIXED-WHEEL GATES

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
1	WRD 12 (25926) Revision of: IS 4622:2020	RECOMMENDATIONS FOR STRUCTURAL DESIGN OF RADIAL GATES
2	WRD 12 (25932) Revision of: IS 4622:2020	DESIGN AND USE OF RUBBER SEALS FOR HYDRAULIC GATES - RECOMMENDATIONS
3	WRD 12 (26021) Revision of: IS 4622:2020	RECOMMENDATIONS FOR STRUCTURAL DESIGN OF MEDIUM AND HIGH HEAD SLIDE GATES

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:28 Total Standards Under development:4

Aspect Wise Report

Product : 0
Code of Practices : 23
Methods of Test : 0
Terminology : 3
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 15466 : 2004 Reviewed In : 2018	Rubber seals for hydraulic gates - Specification

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
<i>No Records Found</i>		