

REAFFIRMATION OF INDIAN STANDARDS
(WATER RESOURCES DEPARTMENT)

Our Ref: WRD /Tech. Files/

10.03.2015

Subject: Reaffirmation of Indian Standards under WRD 05,09,12,13 and 14

The following Indian Standards have been reaffirmed during the month of February 2015 by the above mentioned Sectional Committee for a period of 5 years:

Director (Sales)/ DPT/ Director (Library) may please take suitable action for affirming the year of reaffirmation to the above mentioned standards.

(J.C. Arora)
Sc.F & Head (WRD)

CC To: Dir (Sales)
Dir (Pub)
Dir(LSC)

ITS : For hosting on intranet

Standards Reaffirmed under Sectional Committee WRD 14 Water Conductor Systems		
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1	IS 4410(Part 20):1983	Glossary of terms relating to river valley projects: Part 20 Tunnels
2	IS 4880(Part 2):1976	Code of practice for design of tunnels conveying water: Part 2 Geometric design(first revision)
3	IS 4880(Part 3):1976	Code of practice for design of tunnels conveying water: Part 3 Hydraulic design(first revision)
4	IS 4880(Part 4):1971	Code of practice for design of tunnels conveying water: Part 4 Structural design of concrete lining in
5	IS 4880(Part 5):1972	Code of practice for design of tunnels conveying water: Part 5 Structural design of concrete lining in soft strata and soils
6	IS 4880(Part 6):1971	Code of practice for design of tunnels conveying water: Part 6 Tunnel supports
7	* IS 4880(Part 7):1975	Code of practice for design of tunnels conveying water: Part 7 Structural design of steel lining
8	IS 5330:1984	Criteria for design of anchor blocks for penstocks
9	IS 5878(Part 2/Sec 1):1970	Code of practice for construction of tunnel conveying water: Part 2 Underground excavation in rock, Section 1 Drilling and blasting
10	IS 5878(Part 2/Sec 2):1971	Code of practice for construction of tunnels conveying water: Part 2 Underground excavation in rock, Section 2 Ventilating, lighting, Mucking and
11	IS 5878(Part 2/Sec 3):1971	Code of practice for construction of tunnels conveying water: Part 2 Underground excavation in rock, Section 3 Tunnelling method for Steeply Inclined Tunnels, Shafts and Underground Power
12	IS 5878(Part 3):1972	Code of practice for construction of tunnels conveying water: Part 3 Underground excavation
13	IS 5878(Part 4):1971	Code of practice for construction of tunnels conveying water: Part 4 Tunnel supports
14	IS 5878(Part 5):1976	Code of practice for construction of tunnels conveying water: Part 5 Concrete lining (first
15	IS 5878(Part 6):1975	Code of practice for construction of tunnel conveying water: Part 6 Steel lining
16	IS 5878(Part 7):1972	Code of practice for construction of tunnels conveying water: Part 7 Grouting
17	IS 7357:1974	Code of practice for structural design of surge
18	IS 7396(Part 1):1985	Criteria for hydraulic design of surge tanks: Part 1 Simple, restricted orifice and differential surge tanks (first revision)

19	IS 7396(Part 2):1985	Criteria for hydraulic design of surge tanks: Part 2 Tail race surge tanks (first revision)
20	IS 7396(Part 3):1990	Criteria for hydraulic design of surge tanks: Part 3 Special surge tanks
21	IS 7396(Part 4):1983	Criteria for hydraulic design of surge tanks: Part 4 Multiple surge tanks
22	IS 7563:1985	Code of practice for structural design of cut and cover concrete conduits (first revision)
23	IS 9761:1995	Hydropower intakes - criteria for hydraulic design (first revision)
24	IS 11105:2004	Design and construction of tunnel plugs - Code of practice (first revision)
25	IS 11625:1986	Criteria for hydraulic design of penstocks
26	IS 11639(Part 1):1986	Criteria for structural design of penstocks: Part 1 Surface penstocks
27	IS 11639(Part 2):1995	Structural design of penstocks - Criteria: Part 2 Buried/embedded penstocks
28	IS 12967(Part 1):1990	Analysis of hydraulic transients in hydro-electric and pumping plants - Code of practice: Part 1 Criteria for analysis

Standards Reaffirmed under Sectional Committee WRD 05 Geological Exploration and Sub-Surface Exploration

1. IS 4410 (Part 7) : 1983 Glossary of terms relating to river valley projects: art
7 Engineering Geology

Standards Reaffirmed under Sectional Committee WRD 12 Hydraulic Gates and Valves

1. IS 4410 (Part 16/Sec 2): 1981 Glossary of terms relating to river valley projects:
Part 16 Gates and valves Section 2 Valves
2. IS 5620:1985 Recommendations for structural design criteria for
low head slide gates (second revision)
3. IS 6938:2005 Design of rope drum and chain hoists for hydraulic
4. IS 7718:1991 Recommendations for inspection, testing and
maintenance of fixed wheel and slide gates (first
revision)
5. IS 9349:2006 Recommendations for structural design of medium
and high head slide gates (second revision)
6. IS 10096(Part 1/Sec 1):1983 Recommendations for inspection, testing and
maintenance of radial gates and rope drum hoists: Part
1 Inspection, testing and assembly at the
manufacturing stage Section 1 Gates
7. IS 10096(Part 1/Sec 2):1986 Recommendations for inspection, testing and m
maintenance of radial gates and roof drum hoists: Part
1 Inspection, testing and assembly at the
manufacturing stage Section 2 Rope Drum Hoists
8. IS 10096(Part 2):1983 Recommendations for inspection, testing and
maintenance of radial gates and rope drum hoists: Part
2 Inspection, testing and assembly at the time of
erection.
9. IS 11228:1985 Recommendations for design of screw hoists for
hydraulic gates
10. IS 11793:1986 Guidelines for design of float-driven hoisting
mechanism for automatic gated control

Standards Reaffirmed under Sectional Committee WRD 13 Canals and Cross Drainage Works
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1	4410(Part 5):1982	Glossary of terms relating to river valley projects: Part 5 Canals (first revision)
2	4410(Part 15/Sec 1):1973	Glossary of terms relating to river valley projects: Part 15 Canal structures Section 1 General terms
3	4410(Part 15/Sec 2):1973	Glossary of terms relating to river valley projects: Part 15 Canal structures Section 2 Transitions
4	4410(Part 15/Sec 3):1977	Glossary of terms relating to river valley projects: Part 15 Canal structures Section 3 Flumes
5	4410(Part 15/Sec 4):1977	Glossary of terms relating to river valley projects: Part 15 Canal structures Section 4 Regulating works
6	6531:1994	Canal head regulators - Criteria for design (first revision)
7	7784(Part 2/Sec 1):1995	Design of cross drainage works - Code of practice: Part 2 Specific requirement Section 1 Aqueducts
8	9698:1995	Lining of canals with polyethylene film - Code of practice (first revision)

Standards Reaffirmed under Sectional Committee WRD 09 Dams and Spillways

1	SP 55 : 1993	Design aid for anchorages for spillway piers, Training walls and divide walls.
2	IS 4997:1968	Criteria for design of hydraulic jump type stilling basins with horizontal and sloping apron
3	IS 5186:1994	Design of chute and side channel spillways - Criteria (first revision)
4	* IS 10137:1982	Guidelines for selection of spillways and energy Dissipators
5	IS 11155:1994	Construction of spillways and similar overflow structures - Code of practice (First Revision)
6	IS 11223:1985	Guidelines for fixing spillway capacity
7	* IS 11485:1985	Criteria for hydraulic design of sluices in concrete and masonry dams
8	IS 11527:2013	Criteria for structural design of energy dissipators for spillways (first revision)
9	IS 12720:2004	Criteria for structural design of spillway training walls and divide walls (second revision)
10	IS 12731:1989	Hydraulic design of impact type energy dissipators - Recommendations
11	IS 12804:1989	Criteria for estimation of aeration demand for
12	IS 13048:1991	Recommendations for hydraulic design of duck bill Spillways
13	IS 13195:1991	Preliminary design, operation and maintenance of protection works downstream of spillways -
14	IS 14591:1999	Temperature control of mass concrete for dams - Guidelines
15	IS 14690:1999	Quality control during construction of earth and rockfill dams – Recommendations