

BUREAU OF INDIAN STANDARDS

Program of Work

WRD 15 : Hydroelectric Power House Structures

Scope: Standardization of criteria for location, design, construction and maintenance of power house structures, including pumped storage.

Liaison:

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10824:1984 Reviewed In : 2021	Code of practice for amenities in hydroelectric power houses	October, 2021	-	Indigenous
2	IS 12800 (Part 1):1993 Reviewed In : 2023	Guidelines for selection of turbines, preliminary dimensioning and layout of surface hydro - Electric powerhouses: Part 1 medium and large power houses	January, 2023	-	Indigenous
3	IS 12800 (Part 2):1989 Reviewed In : 2021	Guidelines For Selection Of Turbines, Preliminary Dimensioning And Layout Of Surface Hydro-electric Power House Part 2 Pumped Storage Power Houses	October, 2021	2	Indigenous
4	IS 12800 (Part 3):1991 Reviewed In : 2023	Guidelines for selection of hydraulic turbine, preliminary dimensioning and layout of surface hydroelectric power houses: Part 3 small, mini	January, 2023	-	Indigenous
5	IS 12837:1989 Reviewed In : 2021	Hydraulic turbines for medium and large power houses - Guidelines for selection	October, 2021	1	Indigenous
6	IS 4247 (Part 1):1993 Reviewed In : 2023	Structural design of surface hydroelectric power stations: Part 1 data for design - Code of practice (Third Revision)	January, 2023	1	Indigenous
7	IS 4247 (Part 2):1992 Reviewed In : 2023	Code of practice for structural design of surface hydroelectric power station: Part 2 superstructure (Second Revision)	January, 2023	1	Indigenous
8	IS 4247 (Part 3):1998 Reviewed In : 2023	Code of practice for structural design of surface hydroelectric power stations: Part 3 sub - Structure (Second Revision)	January, 2023	-	Indigenous
9	IS 4410 (Part 10):1988 Reviewed In : 2023	Glossary of terms relating to river valley projects: Part 10 hydro - Electric power station including water conductor system (First Revision)	January, 2023	-	Indigenous

10	IS 4461:1998 Reviewed In : 2023	Code of practice for joints in surface hydroelectric power stations (Second Revision)	January, 2023	-	Indigenous
11	IS 4720:2020 Reviewed In : 2025	Ventilation of Surface Hydel Power Stations — Code of Practice (Second Revision)	June, 2025	-	Indigenous
12	IS 4721:2014 Reviewed In : 2024	Code of practice for drainage and dewatering of surface/ underground hydroelectric power stations (Second Revision)	August, 2024	-	Indigenous
13	IS 5496:1993 Reviewed In : 2023	Guide for preliminary dimensioning and layout of elbow type draft tubes for surface hydroelectric power stations (First Revision)	December, 2023	2	Indigenous
14	IS 7207:1992 Reviewed In : 2023	Criteria for design of generator foundation for hydroelectric power stations (First Revision)	January, 2023	-	Indigenous
15	IS 7418:1991 Reviewed In : 2023	Criteria for design of spiral casing (Concrete And Steel) (First Revision)	January, 2023	-	Indigenous
16	IS 9120:2025	Planning, Layout and Design of Cavities in Underground Hydroelectric Power Stations - Guidelines (First Revision)		-	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
1	WRD 15 (11547) Revision	Ventilation of Surface Hydel Power Stations - Code of Practice

	of: IS 4720:2020	
2	WRD 15 (11558)	Guide for preliminary dimensioning and layout of elbow type draft tubes for surface hydroelectric power stations Amendment - 2
3	WRD 15 (12602)	Hydraulic Turbines for Medium and Large Power Houses - Guidelines for Selection Amendment - 1
4	WRD 15 (21609) Revision of: IS 9120:1979	Planning Layout and Design of Cavities in Underground Hydroelectric Power Stations Guidelines First Revision
5	WRD 15 (25189) Revision of: IS 12800:1993	Selection of Turbines Preliminary Dimensioning and Layout of Hydro-Electric Power Houses - Guidelines Part 1 Medium and Large Power Houses First Revision

Total Published Standards:16 Total Standards Under development:5

Aspect Wise Report

Product : 0
 Code of Practices : 14
 Methods of Test : 0
 Terminology : 1
 Dimensions : 0
 System Standard : 0
 Safety Standard : 0
 Others : 1
 Service Specification : 0
 Process Specification : 0
 Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

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

Annexure-II :List of Indian Product Standards

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