

## 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 <span style="color: green;">Reviewed In : 2021</span>	Code of practice for amenities in hydroelectric power houses	October, 2021	-	Indigenous
2	IS 12800 (Part 1) : 1993 <span style="color: green;">Reviewed In : 2023</span>	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 <span style="color: green;">Reviewed In : 2021</span>	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 <span style="color: green;">Reviewed In : 2023</span>	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 <span style="color: green;">Reviewed In : 2021</span>	Hydraulic turbines for medium and large power houses - Guidelines for selection	October, 2021	1	Indigenous
6	IS 4247 (Part 1) : 1993 <span style="color: green;">Reviewed In : 2023</span>	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 <span style="color: green;">Reviewed In : 2023</span>	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 <span style="color: green;">Reviewed In : 2023</span>	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 <span style="color: green;">Reviewed In : 2023</span>	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 : 2020	Ventilation of Surface Hydel Power Stations — Code of Practice ( Second Revision )	-	-	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 : 1979 Reviewed In : 2023	Guidelines for planning, layout and design of cavities in underground hydroelectric power stations	January, 2023	-	Indigenous

### Standards under Development

#### Projects Approved

SI. No.	Doc No.	Title
<i>No Records Found</i>		

#### Preliminary Draft Standards

SI. No.	Doc No.	Title
1	WRD 15 (25189) <span style="color: green;">Revision of: IS 12800:1993</span>	Selection of Turbines Preliminary Dimensioning and Layout of Hydro-Electric Power Houses - Guidelines Part 1 Medium and Large Power Houses

#### 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
1	WRD 15 (21609)	GUIDELINES FOR PLANNING LAYOUT AND DESIGN OF CAVITIES IN UNDERGROUND HYDROELECTRIC POWER STATIONS

#### 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
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*No Records Found*

**Total Published Standards:16 Total Standards Under development:2**

### Aspect Wise Report

Product : 0  
Code of Practices : 15  
Methods of Test : 0  
Terminology : 1  
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

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

### Annexure-II :List of Indian Product Standards

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