

## BUREAU OF INDIAN STANDARDS

### Program of Work

#### WRD 5 : Geological Investigation and Subsurface Exploration

Scope: Standardization of criteria for choice of methods, investigations and testing of subsurface strata and recommendations for collection and presentation of data.

Liaison:

### Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10060:2013 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Geotechnical investigation for power house sites - Code of practice (First Revision)	March, 2024	-	Indigenous
2	IS 10290:1982 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Code of practice for photogeological interpretation and mapping of river valley project sites	March, 2024	-	Indigenous
3	IS 11385:2008 Reviewed In : 2025 Decision taken to Reaffirm and Archive	Subsurface exploration for canals and cross drainage works - Code of practice (First Revision)	February, 2025	-	Indigenous
4	IS 13216:1991 Reviewed In : 2024	Code of practice for geological exploration for reservoir sites	March, 2024	2	Indigenous
5	IS 13578:2008 Reviewed In : 2025 Decision taken to Reaffirm and Archive	Subsurface exploration for barrages and weirs - Code of practice (First Revision)	February, 2025	1	Indigenous
6	IS 14330:1996 Reviewed In : 2025 Decision taken to Reaffirm and Archive	Ground water investigation for hydraulic structures - Guidelines	February, 2025	-	Indigenous
7	IS 15662:2006 Reviewed In : 2025 Decision taken to Reaffirm and Archive	Geological exploration for gravity dams and overflow structures - Code of practice	February, 2025	2	Indigenous
8	IS 15681:2006 Reviewed In : 2025	Geological exploration by geophysical method (Seismic Refraction) - Code of practice	February, 2025	-	Indigenous
9	IS 15686:2006 Reviewed In : 2025 Decision taken to	Recommendations for preparation of geological and geotechnical maps for river valley projects	February, 2025	-	Indigenous

	Reaffirm and Archive				
10	IS 15736:2007 Reviewed In : 2024	Geological exploration by geophysical method (Electrical Resistivity) - Code of practice	February, 2024	1	Indigenous
11	IS 17883:2022	Geological Exploration for Tunnels Guidelines	-	-	Indigenous
12	IS 4078:1980 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Code of practice for indexing and storage of drill cores (First Revision)	February, 2024	-	Indigenous
13	IS 4410 (Part 7):1982 Reviewed In : 2025	Glossary of terms relating to river valley projects: Part 7 engineering geology (First Revision)	February, 2025	-	Indigenous
14	IS 4453:2009 Reviewed In : 2025 Decision taken to Reaffirm and Archive	Subsurface exploration by pits, trenches, drifts and shafts - Code of practice (Second Revision)	February, 2025	-	Indigenous
15	IS 4464:2024	Presentation of Drilling Information and Core Description in Geotechnical Investigation “ Code of Practice (third revision)		-	Indigenous
16	IS 5313:2020 Reviewed In : 2025	Guide for Core Drilling Observations ( Second Revision )	January, 2025	-	Indigenous
17	IS 5497:2008 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Guide to topographical surveys for river valley projects (Second Revision)	February, 2024	-	Indigenous
18	IS 5529 (Part 1):2013 Reviewed In : 2024 Decision taken to Reaffirm and Archive	In-situ permeability test Part 1 Test in overburden - Code of practice	February, 2024	-	Indigenous
19	IS 5529 (Part 2):2006 Reviewed In : 2025	In - Situ permeability test: Part 2 tests in bedrock (Second Revision)	February, 2025	1	Indigenous
20	IS 6926:1996 Reviewed In : 2025 Decision taken to Reaffirm and Archive	Diamond core drilling - Site investigation for river valley projects - Code of practice (First revision)	February, 2025	-	Indigenous
21	IS 6935:1973 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Method for determination of water level in a bore hole	March, 2024	-	Indigenous
22	IS 6955:2008 Reviewed In : 2025	Subsurface exploration for earth and rockfill dams - Code of practice (First Revision)	February, 2025	-	Indigenous
23	IS 7422 (Part 1):2025	Symbols and Abbreviations for Use in Geological Maps, Sections and Subsurface Exploratory Logs Part 1 Abbreviations (first revision)		-	Indigenous
24	IS 7422 (Part	SYMBOLS AND		-	Indigenous

	2):2024	ABBREVIATIONS FOR USE IN GEOLOGICAL MAPS SECTIONS AND SUBSURFACE EXPLORATORY LOGS PART 2 IGNEOUS ROCKS (First Revision)			
25	IS 7422 (Part 3):2024	SYMBOLS AND ABBREVIATIONS FOR USE IN GEOLOGICAL MAPS, SECTIONS AND SUBSURFACE EXPLORATORY LOGS PART 3 Sedimentary Rocks (First Revision)		-	Indigenous
26	IS 7422 (Part 4):2024	SYMBOLS AND ABBREVIATIONS FOR USE IN GEOLOGICAL MAPS SECTIONS AND SUBSURFACE EXPLORATORY LOGS PART 4 METAMORPHIC ROCKS (First Revision)		-	Indigenous
27	IS 7422 (Part 5):2025	SYMBOLS AND ABBREVIATIONS FOR USE IN GEOLOGICAL MAPS SECTIONS AND SUBSURFACE EXPLORATORY LOGS PART 5 LINE SYMBOLS FOR FORMATION CONTACTS AND STRUCTURAL FEATURES (First Revision)		-	Indigenous

Standards under Development

Projects Approved		
SI. No.	Doc No.	Title
No Records Found		

Preliminary Draft Standards		
SI. No.	Doc No.	Title
1	WRD 5 (28553) <span>Revision of: IS 15736:2007</span>	Geological Exploration by Electrical Resistivity Method Code of Practice

Drafts Standards in WC Stage		
SI. No.	Doc No.	Title
No Records Found		

Draft Standards Completed WC Stage		
SI. No.	Doc No.	Title
1	WRD 5 (28555)	Geological Exploration by Seismic Refraction Method Code of Practice

Finalized Draft Indian Standard		
SI. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standards under Print		
SI. No.	Doc No.	Title
No Records Found		

Total Published Standards:27	Total Standards Under development:2
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Aspect Wise Report

Product : 0

Code of Practices : 19

Methods of Test : 1

Terminology : 1

Dimensions : 0

System Standard : 0

Safety Standard : 0

Others : 6

Service Specification : 0

Process Specification : 0

Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded		
SI. No.	IS No. & Year	Title
1	IS 6065 (Part 1):2001	Recommendations for the preparation of geological and geotechnical maps for river valley project Part 1 Scales

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