

## BUREAU OF INDIAN STANDARDS

### Program of Work

#### MED 21 : Diamond Core And Waterwell Drilling

**Scope:** Formulation of standards for surface exploratory drilling rigs and equipment including diamond core drilling/non-core drilling and geotechnical, and water well drilling rigs including their accessories. It also includes codes of practice for drilling and boring operations.

**Liaison:**

### Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10208:2025	Diamond Core Drilling Equipment 1½ Specification (First Revision)		-	Indigenous
2	IS 11189:2020  Reviewed In : 2025	Methods of Tubewell Development ( First Revision )	March, 2025	-	Indigenous
3	IS 11312 (Part 1):1985  Reviewed In : 2022	Specification for external upset drill pipe assemblies for use in water well drilling: Part 1 screwed on joints drill pipe	January, 2022	1	Indigenous
4	IS 11312 (Part 1):2025	External Upset Drill Pipe Assemblies for use in Water Well Drilling - Specification Part 1 Screwed on Joints Drill Pipe ( First Revision )		-	Indigenous
5	IS 11632:2020  Reviewed In : 2025	Code of Practice of Rehabilitation of Tubewells ( First Revision )	March, 2025	-	Indigenous
6	IS 11672:1986  Reviewed In : 2022	Specification for tungsten carbide buttons and inserts for use in down - The - Hole (DTH) bits	January, 2022	-	Indigenous
7	IS 11672:2025	Tungsten Carbide Buttons and Inserts for Use in Down-The-Hole (DTH) Bits - Specification ( First Revision )		-	Indigenous
8	IS 11710 (Part 1):2024	Selection of Diamond Core Drills 1½ Code of Practice Part 1 Mechanical Drive		-	Indigenous
9	IS 11710 (Part 2):2024	Selection of Diamond Core Drills 1½ Code of Practice Part 2 Top Drive Hydraulic		-	Indigenous
10	IS 11830 (Part 1):2024	Water well drilling Specification Part 1 General requirements for hydraulic rigs (Down-the-hole hammer or mud rotary drilling) (SECOND REVISION)		-	Indigenous
11	IS 11830 (Part 2):2025	Water-Well Drilling 1½ Specification Part 2 General		-	Indigenous

		Requirements for Pneumatic Rigs (Down-The-Hole Hammer Rigs)			
12	IS 12214:1987 Reviewed In : 2022	General requirements for rotary hose for water - Well drilling equipment	January, 2022	-	Indigenous
13	IS 12629:1989 Reviewed In : 2019	Water well drilling - Rotary hose for rotary drilling - Recommended practice for care and use	September, 2019	-	Indigenous
14	IS 12635:2000 Reviewed In : 2020	Water well drilling and blast hole drilling - Rock roller bit with non - Sealed ball and roller bearing arrangement - Technical supply conditions (First Revision)	August, 2020	-	Indigenous
15	IS 12682:2024	WATER WELL DRILLING - PERCUSSION DRILLING RIGS - GENERAL REQUIREMENTS (FIRST REVISION)		-	Indigenous
16	IS 15028:2024	Hoisting Swivel for Use with Diamond Core Drilling $\frac{1}{2}$ Specification (First revision)		-	Indigenous
17	IS 15029:2024	Recovery taps for use with diamond core drilling - Specification (FIRST REVISION)		-	Indigenous
18	IS 15083:2001 Reviewed In : 2022	Water swivel for use with diamond core drilling - Requirements	January, 2022	-	Indigenous
19	IS 15145:2002 Reviewed In : 2024	Round kelly for direct rotary water well drilling rig - Requirements	May, 2024	-	Indigenous
20	IS 15481 (Part 1):2024	Wireline Diamond Core Drilling Equipment - System A Part 1 Metric Units (first revision)		-	Indigenous
21	IS/ISO 18758-1:2018 IS/ISO 18758-1:2018 IS/ISO 18758-1:2018	Mining and earth-moving machinery Rock drill rigs and rock reinforcement rigs Part 1: Vocabulary Adoption of ISO 18758		-	Identical under single numbering
22	IS/ISO 18758-2:2018 IS/ISO 18758-2: 2018 IS/ISO 18758-2: 2018	Mining and earth-moving machinery Rock drill rigs and rock reinforcement rigs Part 2: Safety requirements Adoption of ISO 18758-2:2018		-	Identical under single numbering
23	IS 2800:2019 Reviewed In : 2024	Code of practice for construction and testing of tubewells	March, 2024	-	Indigenous
24	IS 4097:2019 Reviewed In : 2024	Specification for material (Gravel) for use as filter pack in tubewells (First Revision)	March, 2024	-	Indigenous
25	IS 7156:2024	Reverse Circulation Drilling Rigs – General Requirements (First Revision)		-	Indigenous
26	IS 7206:2024	Drilling Rigs With Rotary Table Specification		-	Indigenous
27	IS 7209:1974 ISO 722 Reviewed In : 2022	General requirements for blast hole drilling rigs	January, 2022	-	Indigenous
28	IS 8110:2019 Reviewed In : 2024	Water well screens and slotted pipes - Specification (Third Revision)	March, 2024	1	Indigenous

29	IS 8986:2022	Hexagonal Integral Drill Steel and Extension Rods and Hollow Round Drill Steel in Bar Form Dimensions Second revision		-	Indigenous
30	IS 9026:2004 ISO 1720 Reviewed In : 2020	Rope threaded percussive long - Hole drilling equipments - Specification (First Revision)	August, 2020	-	Indigenous
31	IS 9439:2022	Glossary of Terms Used in Water-well Drilling Technology		-	Indigenous

Standards under Development

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

Preliminary Draft Standards		
SI. No.	Doc No.	Title
No Records Found		

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

Draft Standards Completed WC Stage					
SI. No.	Doc No.		Title		
1	MED 21 (25863)		LOCATION OPERATION AND MAINTENANCE OF TUBE BORE WELLS - 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		
1	MED 21 (25065) Revision of: IS 2800:2019		CONSTRUCTION AND TESTING OF TUBEWELLS CODE OF PRACTICE		

Total Published Standards:29 Total Standards Under development:2					
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Aspect Wise Report

- Product : 16
- Code of Practices : 6
- Methods of Test : 0
- Terminology : 2
- Dimensions : 2
- System Standard : 0
- Safety Standard : 1
- Others : 2
- Service Specification : 0

### Annexure-I :List of Indian Standards Withdrawn/Superseded

Sl. No.	IS No. & Year	Title
1	IS 11180:1985 Reviewed In : 2017	Specification for kellys for direct rotary drilling Part 1 square and hexagonal kellys
2	IS 12090:1987 Reviewed In : 2022	Dimensions of rotary tables for direct rotary drilling equipment
3	IS 12097:1994 Reviewed In : 2019	Classification and selection of Drilling rigs for water well drilling First Revision
4	IS 12194:1987	Dimensions for Rock Roller Bits and Blade Drag Bits for Rock Drilling Equipment
5	IS 2800 (Part 1):1991 Reviewed In : 2017	Code of Practice for Construction and Testing of Tubewells Borewells - Part 1 Construction
6	IS 2800 (Part 2):1979 Reviewed In : 2014	Code of Practice Construction and Testing - Part II Testing

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

Sl. No.	IS No. & Year	Title
1	IS 10208:2025	Diamond Core Drilling Equipment Specification First Revision
2	IS 11312 (Part 1):2025	External Upset Drill Pipe Assemblies for use in Water Well Drilling - Specification Part 1 Screwed on Joints Drill Pipe First Revision
3	IS 11672:2025	Tungsten Carbide Buttons and Inserts for Use in Down-The-Hole DTH Bits - Specification First Revision
4	IS 11830 (Part 1):2024	Water well drilling Specification Part 1 General requirements for hydraulic rigs Down-the-hole hammer or mud rotary drilling SECOND REVISION
5	IS 11830 (Part 2):2025	Water-Well Drilling Specification Part 2 General Requirements for Pneumatic Rigs Down-The-Hole Hammer Rigs
6	IS 12214:1987 Reviewed In : 2022	General requirements for rotary hose for water - Well drilling equipment
7	IS 12682:2024	WATER WELL DRILLING - PERCUSSION DRILLING RIGS - GENERAL REQUIREMENTS FIRST REVISION
8	IS 15028:2024	Hoisting Swivel for Use with Diamond Core Drilling Specification First revision
9	IS 15029:2024	Recovery taps for use with diamond core drilling - Specification FIRST REVISION
10	IS 15083:2001 Reviewed In : 2022	Water swivel for use with diamond core drilling - Requirements
11	IS 15145:2002 Reviewed In : 2024	Round kelly for direct rotary water well drilling rig - Requirements
12	IS 4097:2019 Reviewed In : 2024	Specification for material Gravel for use as filter pack in tubewells First Revision
13	IS 7206:2024	Drilling Rigs With Rotary Table Specification
14	IS 7209:1974 ISO 722 Reviewed In : 2022	General requirements for blast hole drilling rigs
15	IS 8110:2019 Reviewed In : 2024	Water well screens and slotted pipes - Specification Third Revision
16	IS 9026:2004 ISO 1720 Reviewed In : 2020	Rope threaded percussive long - Hole drilling equipments - Specification First Revision

