

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 $\frac{1}{2}$ Specification (First Revision)		-	Indigenous
2	IS 11189:2020	Methods of Tubewell Development (First Revision)	March, 2025	-	Indigenous
3	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
4	IS 11632:2020	Code of Practice of Rehabilitation of Tubewells (First Revision)	March, 2025	-	Indigenous
5	IS 11672:2025	Tungsten Carbide Buttons and Inserts for Use in Down-The-Hole (DTH) Bits - Specification (First Revision)		-	Indigenous
6	IS 11710 (Part 1):2024	Selection of Diamond Core Drills $\frac{1}{2}$ Code of Practice Part 1 Mechanical Drive		-	Indigenous
7	IS 11710 (Part 2):2024	Selection of Diamond Core Drills $\frac{1}{2}$ Code of Practice Part 2 Top Drive Hydraulic		-	Indigenous
8	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
9	IS 11830 (Part 2):2025	Water-Well Drilling $\frac{1}{2}$ Specification Part 2 General Requirements for Pneumatic Rigs (Down-The-Hole Hammer Rigs)		-	Indigenous
10	IS 12214:1987	General requirements for rotary hose for water - Well drilling equipment	January, 2022	-	Indigenous
11	IS 12629:1989	Water well drilling - Rotary hose for rotary drilling - Recommended	September, 2019	-	Indigenous

		practice for care and use			
12	IS 12635:2000	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
13	IS 12682:2024	WATER WELL DRILLING - PERCUSSION DRILLING RIGS - GENERAL REQUIREMENTS (FIRST REVISION)		-	Indigenous
14	IS 15028:2024	Hoisting Swivel for Use with Diamond Core Drilling $\frac{1}{2}$ Specification (First revision)		-	Indigenous
15	IS 15029:2024	Recovery taps for use with diamond core drilling - Specification (FIRST REVISION)		-	Indigenous
16	IS 15083:2001	Water swivel for use with diamond core drilling - Requirements	January, 2022	-	Indigenous
17	IS 15145:2002	Round kelly for direct rotary water well drilling rig - Requirements	May, 2024	-	Indigenous
18	IS 15481 (Part 1):2024	Wireline Diamond Core Drilling Equipment - System A Part 1 Metric Units (first revision)		-	Indigenous
19	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
20	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
21	IS 19687:2026	Safety Guidelines and General Precautions for Abandonment of Tube Wells and Bore Wells		-	
22	IS 2800:2025	CONSTRUCTION AND TESTING OF TUBEWELLS — CODE OF PRACTICE		-	Indigenous
23	IS 4097:2019	Specification for material (Gravel) for use as filter pack in tubewells (First Revision)	March, 2024	-	Indigenous
24	IS 7156:2024	Reverse Circulation Drilling Rigs " General Requirements (First Revision)		-	Indigenous
25	IS 7206:2024	Drilling Rigs With Rotary Table Specification		-	Indigenous
26	IS 7209:1974 ISO 722	General requirements for blast hole drilling rigs	January, 2022	-	Indigenous
27	IS 8110:2019	Water well screens and slotted pipes - Specification (Third Revision)	March, 2024	1	Indigenous
28	IS 8986:2022	Hexagonal Integral Drill Steel and Extension Rods and Hollow Round Drill Steel in Bar Form Dimensions Second revision		-	Indigenous

29	IS 9026:2004 ISO 1720	Rope threaded percussive long - Hole drilling equipments - Specification (First Revision)	August, 2020	-	Indigenous
30	IS 9439:2022	Glossary of Terms Used in Water-well Drilling Technology		-	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	MED 21 (12110) Revision of: IS 2800:1979	CODE OF PRACTICE FOR CONSTRUCTION AND TESTING OF TUBEWELLS Amalgamation of Part 1 2
2	MED 21 (12462) Revision of: IS 4097:2019	Specification for Material Gravel for use as filter pack in Tubewells first revision
3	MED 21 (12463) Revision of: IS 11189:2020	Methods for tubewell development First Revision of IS 11189
4	MED 21 (12494) Revision of: IS 8110:2019	Well Screens and Slotted Pipes
5	MED 21 (13046) Revision of: IS 11632:2020	CODE OF PRACTICE OF REHABILITATION OF TUBEWELLS
6	MED 21 (14792) Revision of: IS 9439:2002	Glossary of Terms Used in Water-well Drilling Technology
7	MED 21 (16238)	Mining and earth-moving machinery Rock drill rigs and rock reinforcement rigs Part 1 Vocabulary Adoption of ISO 18758
8	MED 21 (16239)	Mining and earth-moving machinery Rock drill rigs and rock reinforcement rigs Part 2 Safety requirements Adoption of ISO 18758-2 2018
9	MED 21 (17593)	Water well screens and slotted pipes - Specification Third Revision Amendment - 1
10	MED 21 (17835) Revision of: IS 8986:1994	Hexagonal Integral Drill Steel and Extension Rods and Hollow Round Drill Steel in Bar Form Dimensions Second revision
11	MED 21 (18992) Revision of: IS 15028:2001	Hoisting Swivel for Use with Diamond Core Drilling Specification

12	MED 21 (18993) Revision of: IS 15029:2001	Recovery taps for use with diamond core drilling Specification
13	MED 21 (19130) Revision of: IS 7206:1986	Drilling Rigs With Rotary Table Specification
14	MED 21 (19131) Revision of: IS 11312:1985	External Upset Drill Pipe Assemblies for use in Water Well Drilling Specification Part 1 Screwed on Joints Drill Pipe First Revision
15	MED 21 (19184) Revision of: IS 15481:2004	Wireline Diamond Core Drilling Equipment System A Part 1 Metric Units
16	MED 21 (19255) Revision of: IS 10208:1982	Diamond Core Drilling Equipment Specification First Revision
17	MED 21 (22231) Revision of: IS 7156:1974	Reverse Circulation Drilling Rigs General Requirements
18	MED 21 (22232) Revision of: IS 11672:1986	Tungsten Carbide Buttons and Inserts for Use in Down-The-Hole DTH Bits Specification First Revision
19	MED 21 (22767) Revision of: IS 11830:1991	Water well drilling Specification Part 1 General requirements for hydraulic rigs Down-the-hole hammer or mud rotary drilling
20	MED 21 (22768) Revision of: IS 11830:1989	Water-Well Drilling Specification Part 2 General Requirements for Pneumatic Rigs Down-The-Hole Hammer Rigs
21	MED 21 (25062) Revision of: IS 12682:1989	WATER WELL DRILLING PERCUSSION DRILLING RIGS GENERAL REQUIREMENTS
22	MED 21 (25063) Revision of: IS 11710:2005	Selection of Diamond Core Drills Code of Practice Part 1 Mechanical Drive
23	MED 21 (25064) Revision of: IS 11710:2005	Selection of Diamond Core Drills Code of Practice Part 2 Top Drive Hydraulic
24	MED 21 (25065) Revision of: IS 2800:2019	CONSTRUCTION AND TESTING OF TUBEWELLS CODE OF PRACTICE
25	MED 21 (33001)	Safety Guidelines and General Precautions for Abandonment of Tube Wells and Bore Wells

Total Published Standards:30 Total Standards Under development:25

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
Process Specification : 0
Unclassified : 1

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 11180:1985	Specification for Kellys for direct rotary drilling Part 1 square and hexagonal Kellys
2	IS 12090:1987	Dimensions of rotary tables for direct rotary drilling equipment
3	IS 12097:1994	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 2):1979	Code of Practice Construction and Testing - Part II Testing
6	IS 2800 (Part 1):1991	Code of Practice for Construction and Testing of Tubewells Borewells - Part 1 Construction

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 2):2025	Water-Well Drilling Specification Part 2 General Requirements for Pneumatic Rigs Down-The-Hole Hammer Rigs
5	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
6	IS 12214:1987	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	Water swivel for use with diamond core drilling - Requirements
11	IS 15145:2002	Round kelly for direct rotary water well drilling rig - Requirements
12	IS 4097:2019	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	General requirements for blast hole drilling rigs
15	IS 8110:2019	Water well screens and slotted pipes - Specification Third Revision
16	IS 9026:2004 ISO 1720	Rope threaded percussive long - Hole drilling equipments - Specification First Revision