BUREAU OF INDIAN STANDARDS

Program of Work

CED 24 : Public Health Engineering.

Scope: CODE OF PRACTICE FOR WATER SUPPLY, DRAINAGE AND SANITATION IN BUILDINGS, INCLUDING LAYING OF PIPELINES, SMALL SEWAGE TREATMENT PLANTS, ANCILLARY STRUCTURES FOR WATER SUPPLY AND SEWERAGE AND STANDARDIZATION OF EQUIPMENT USED IN PUBLIC HEALTH ENGINEERING INCLUDING THEIR DESIGN, MANUFACTURE, TESTING, OPERATION AND MAINTENANCE

Liaison: **ISO TC-ISO/PC 305 (P):** *Sustainable non-sewered sanitation systems* **ISO TC-ISO/PC 305/WG 1 (P):** *Sustainable non-sewered santitation systems* **ISO TC- (O):** *Community scale resource oriented sanitation treatment systems* **ISO TC- (P):** *Sustainable non-sewered sanitation systems* **ISO TC- (P):** *Sustainable non-sewered santitation systems* **ISO TC- (O):** *Community scale resource oriented sanitation treatment systems*

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10037 (Part 1):1981	Requirements for sludge dewatering equipment: Part I Sludge drying beds-sand, gravel and underdrains	November, 2022	-	
2	IS 10037 (Part 2):1983	Requirements for sludge de-watering equipment: Part 2 Vacuum filtration equipment	February, 2021	-	
3	IS 10037 (Part 3):1983	Requirements for sludge de-watering equipment: Part 3 Centrifugal equipment (Solid bowl type)	February, 2021	-	
4	IS 10053:1981	Requirements for Equipment for Jackson Candle Turbiditimeter and Determination of Turbidity	November, 2022	-	
5	IS 10261:1982	Requirements for settling tank (Clarifier Equipment) for waste water treatment	February, 2021	-	Indigenous
6	IS 10313:1982	Requirements for settling tank (clarifier equipment) for water treatment plant	February, 2021	-	
7	IS 10446:1983	Glossary of terms relating to water supply and sanitation	February, 2022	-	Indigenous
8	IS 10552:1983	Specification for buckets to be used in power driven bucket type sewer cleaning machine	February, 2021	-	Indigenous
9	IS 10553 (Part 1):1983	Requirements for chlorination equipment: Part I General guidelines for chlorination plants	November, 2022	1	

		including handling, storage and safety of chlorine cylinders and drums			
10	IS 10553 (Part 2):1983	Requirements for chlorination equipment: Part 2 Vacuum feed type chlorinators	February, 2021	-	
11	IS 10553 (Part 4):1983	Requirements for chlorination equipment: Part 4 Gravity feed type gaseous chlorinators	February, 2021	-	
12	IS 10553 (Part 5):1987	Requirements of chlorination equipment: Part 5 Bleaching powder solution feeder displacement type chlorinator	November, 2022	-	
13	IS 10595:1983	Requirements for power driven bucket type sewer cleaning - Machine	February, 2021	-	Indigenous
14	IS 11117:1984	Requirements for Power Driven Rodding Machine for Sewers	February, 2021	-	Indigenous
15	IS 11208:1985	Guidelines for registration of plumbers	February, 2022	-	Indigenous
16	IS 11387:1985	Requirements for high pressure jetting machine for sewer cleaning	February, 2021	-	
17	IS 11397:1985	Attachment Tools For Power Driven Rodding Machine For Sewers	February, 2021	-	
18	IS 11401 (Part 1):1985	Requirements for slow sand filters: Part 1 general guidelines	November, 2022	-	Indigenous
19	IS 11401 (Part 2):1990	General requirements for slow sand filters: Part 2 design, construction, operation and maintenance	August, 2024	-	Indigenous
20	IS 1172:1993	Code of basic requirements for water supply, drainge and sanitation (Fourth Revision)	November, 2022	-	Indigenous
21	IS 11906:1986	Recommendations for cement - Mortar lining for cast - Iron mild steel and ductile - Iron pipes and fittings for transportation of water	November, 2022	-	Indigenous
22	IS 11925:1986	Specification for pitch impregnated fibre pipes and fittings for drainage purposes	November, 2022	-	Indigenous
23	IS 11931:1987	Specification for Sewer Cleaning Metal Rods	November, 2022	-	
24	IS 11972:1987	Code of practice for safety precautions to be taken when entering a sewerage system	November, 2022	-	Indigenous
25	IS 12183 (Part 1):1987	Code of Practice for Plumbing in Multi-storeyed Buildings: Part 1 Water Supply	August, 2024	-	
26	IS 12251:1987	Code of practice for drainage of building basements	August, 2024	-	Indigenous
27	IS 12288:1987	Code of practice for use and laying of ductile iron pipes	November, 2022	1	Indigenous
28	IS 12314:1987	Code of Practice for Sanitation with Leaching Pits for Rural Communites	November, 2022	-	
29	IS 13166:1992	Mechanical Surface Rerators - Guidelines for Evaluation and Testing	February, 2022	-	

30	IS 13496:1992	General Requirements of Suction Machine for Cleaning Sewers, Manholes and Ancillary Structures Provided on Sewer Line and Closed Storm Water Drains	November, 2022	-	
31	IS 1742:1983 ISO 1045-1 ISO 1045-2	Code of practice for building drainage (second revision)	November, 2022	-	Not Equivalent
32	IS 17955:2023	Sand and Gravel for Use as Filtration Medium - Specification		-	Indigenous
33	IS 18150:2023	Non-Sewered On-SIte Santitation System - Design, Fabrication and Installation of Biodigesters for Human Waste Decomposition - Code of Practice		-	Indigenous
34	IS 18666:2024	Rotationally Moulded Polyethylene Septic Tanks - Specification		-	Indigenous
35	IS 18797:2024	Packaged Sewage Treatment Plant - Specification		1	Indigenous
36	IS 2064:1993	Selection, installation and maintenance of sanitary appliances - Code of practice (Second Revision)	November, 2022	-	Indigenous
37	IS 2065:1983	Code of practice for water supply in buildings (Second Revision)	February, 2022	-	Indigenous
38	IS 2470 (Part 1):1985	Code of practice for installation of septic tanks: Part 1 design criteria and construction (Second Revision)	February, 2022	-	Indigenous
39	IS 2470 (Part 2):1985	Code of practice for installation of septic tanks: Part 2 secondary treatment and disposal of septic tank effluent (Second Revision)	February, 2022	2	Indigenous
40	IS 3114:1994	Code of Practice for Laying of Cast Iron Pipes (Second Revision)	August, 2024	-	
41	SP 35:1987	Handbook on Water Supply and Drainage (with Special Emphasis on Plumbing)		-	
42	IS 4111 (Part 1):1986	Code of Practice for Ancillary Structures in Sewerage System: Part 1 Manholes (First Revision)	February, 2022	-	Indigenous
43	IS 4111 (Part 2):1985	Code of Practice for Ancillary Structures in Sewerage System: Part 2 Flushing Tanks (First Revision)	February, 2022	-	Indigenous
44	IS 4111 (Part 3):1985	Code of Practice for Ancillary Structures in Sewerage System: Part 3 Inverted Syphon (First Revision)	February, 2022	-	
45	IS 4111 (Part 4):1968	Code of practice for ancillary structures in sewerage system: Part 4 puming stations and pumping mains (Rising Mains)	February, 2022	-	Indigenous
46	IS 4111 (Part 5):1993	Code of Practice for Ancillary Structures in Sewerage System: Part 5 Tidal Outfalls	August, 2024	-	Indigenous
47	IS 4127:2023	Laying of Glazed Stoneware Pipes - Code of Practice (Second Revision)		-	Indigenous
48	IS 5329:1983	Code of practice for sanitary pipe	February, 2022	-	

		work above ground for buildings			
49	IS 5611:1987	Code of practice for construction of waste stabilization ponds (Faculative Type) (First Revision)	November, 2022	-	Indigenous
50	IS 5822:1994	Code of practice for laying of electrically welded steel pipes for water supply (Second Revision)	August, 2024	1	Indigenous
51	IS 6279:1971	Specification for equipment for grit removal devices	February, 2021	-	Indigenous
52	IS 6280:1971	Specification for sewage screens	February, 2021	-	Indigenous
53	IS 6295:1986	Code of practice for water supply and drainage in high altitudes and/or sub - Zero temperature regions (First Revision)	February, 2022	-	Indigenous
54	IS 6924:1973	Code of practice for the construction of refuse chutes in multistoreyed buildings	February, 2022	-	Indigenous
55	IS 7090:1985	Guidelines for rapid mixing devices (First Revision)	February, 2021	-	Indigenous
56	IS 7208:1992	Flocculator Devices Guidelines (First Revision)	February, 2022	-	Indigenous
57	IS 7232:1974 Reaffirmed but not taken up for revision	Method for imhoff cone test	November, 2022	-	
58	IS 7558:1974	Code of practice for domestic hot water installations	February, 2022	-	Indigenous
59	IS 7740:1985	Code of practice for construction and maintenance of road gullies (First Revision)	February, 2022	-	Indigenous
60	IS 8413 (Part 1):1977	Requirements for biological treatment equipment: Part 1 Trickling filters	February, 2021	-	
61	IS 8413 (Part 2):1982	Requirements for biological treatment end equipment: Part 2 Activated sludge process and its modifications	February, 2021	-	
62	IS 8419:2023	Underdrainage System of Rapid Sand Gravity Filtration Equipment - Requirements (First Revision)		-	Indigenous
63	IS 9110:1979	Specification for hand operated augers for cleaning water - Closets, pjpes and sewers	February, 2021	-	Indigenous
64	IS 9222 (Part 1):1990	Recommendations for handling and dosing devices for chemicals for water treatment: Part 1 coagulants (First Revision)	February, 2021	-	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
No Records Found		

Finalized Draft Indian Standard

SI. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	CED 24 (08010)	Code of Practice for Use and Laying of Ductile Iron Pipes Amendment - 1
2	CED 24 (15672)	Draft Amendment No 1 to IS 5822 1994 Code Of Practice for Laying of Electrically Welded Steel Pipes for Water Supply Second Revision
3	CED 24 (16128)	Amendment No 1 to IS 8419 Part 1 1977 39 Requirements for filtration equipment Part 1 Filtration media - Sand and gravel 39
4	CED 24 (16883)	Rotationally Moulded Polyethylene Septic Tanks - Specification
5	CED 24 (18268) Revision of: IS 4127:1983	Laying of Glazed Stoneware Pipes - Code of Practice Second Revision
6	CED 24 (18309)	Sand and gravel for use as filtration medium -Specification
7	CED 24 (18313) Revision of: IS 8419:1984	Underdrainage system of rapid sand gravity filtration equipment Requirements First Revision of IS 8419 Part 2
8	CED 24 (18330)	Non-sewered on-site sanitation system Design Fabrication and Installation of Biodigesters for Human Waste Decomposition Code of practice
9	CED 24 (24325)	Packaged Sewage Treatment Plant - Specification
10	CED 24 (28224)	Packaged Sewage Treatment Plant Specification Draft Amendment No 1 of IS 18797 2024

Total Published Standards:63 Total Standards Under development:10

Aspect Wise Report

Product : 10
Code of Practices : 31
Methods of Test : 1
Terminology : 1
Dimensions : 0
System Standard : 0
Safety Standard : 0
Others : 20
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 2720 (Part 32):1970	North dakota cone test

2	IS 6717:1972	Mobile Road Crane Fully Sewing
3	IS 8321:1976	Glossary of terms applicable to plumbing work
4	IS 8419 (Part 1):1977	Requirements for filtration equipment Part 1 filtration media - Sand and gravel
5	IS 8419 (Part 2):1984	Requirements for rapid sand gravity filtration equipment Part 2 underdrainage system

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 10552:1983	Specification for buckets to be used in power driven bucket type sewer cleaning machine
2	IS 11397:1985	Attachment Tools For Power Driven Rodding Machine For Sewers
3	IS 11925:1986	Specification for pitch impregnated fibre pipes and fittings for drainage purposes
4	IS 11931:1987	Specification for Sewer Cleaning Metal Rods
5	IS 17955:2023	Sand and Gravel for Use as Filtration Medium - Specification
6	IS 18666:2024	Rotationally Moulded Polyethylene Septic Tanks - Specification
7	IS 18797:2024	Packaged Sewage Treatment Plant - Specification
8	IS 6279:1971	Specification for equipment for grit removal devices
9	IS 6280:1971	Specification for sewage screens
10	IS 9110:1979	Specification for hand operated augers for cleaning water - Closets pjpes and sewers