

Civil Engineering IS & SP Codes Reference

A practical, categorised register of commonly used Indian Standard (IS) codes and BIS Special Publications (SP) for civil engineering — what each one covers, and where it's typically used on the job. Compiled for students, site engineers, designers, quantity surveyors, and railway/civil engineering professionals.

How to use this reference

1. This workbook is a practical reference of major/common IS standards used across civil engineering disciplines; it is not a substitute for the official BIS catalogue.
2. Before design, tender, approval or contractual use, verify the current edition, amendment/correction, reaffirmation and withdrawal status at the BIS website.
3. For highways/roads, many governing standards are IRC/MoRTH; for railways/railway bridges, IRS/RDSO/Railway Board provisions may govern in addition to IS codes.
4. For buildings, the National Building Code (NBC) is also important, but it is not itself an IS-numbered standard.
5. Some standards are multi-part series; the entry describes the main engineering purpose and the exact applicable part should be checked for the task.
6. BIS Special Publications (SP) are included on the separate 'SP Codes' sheet. Some are legacy explanatory handbooks; their status is stated where known.
7. This workbook is deliberately suitable for free website distribution because it is an index/summary and does not reproduce copyrighted standard text.
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Indian Standard (IS) Codes

Concrete & RCC

No.	Category	IS Code	Subject / Title	What it deals with	Typical use
1	Concrete & RCC	IS 456	Plain and reinforced concrete — Code of practice	General structural design, detailing and construction of plain and reinforced concrete.	RCC buildings, foundations, slabs, beams, columns, retaining structures.
2	Concrete & RCC	IS 1343	Prestressed concrete — Code of practice	Design and construction requirements for prestressed concrete.	PSC beams, slabs, tanks, bridge/industrial members.
3	Concrete & RCC	IS 10262	Concrete mix proportioning — Guidelines	Procedure for proportioning concrete mixes for target strength and workability.	Concrete mix design.
4	Concrete & RCC	IS 383	Coarse and fine aggregate for concrete — Specification	Requirements for natural/manufactured coarse and fine aggregates used in concrete.	Concrete aggregate selection and acceptance.
5	Concrete & RCC	IS 4926	Ready-mixed concrete — Code of practice	Production, supply, quality control and acceptance of ready-mixed concrete.	RMC plants and site procurement.
6	Concrete & RCC	IS 9103	Concrete admixtures — Specification	Performance requirements and tests for chemical admixtures.	Plasticizers, superplasticizers, retarders, accelerators.
7	Concrete & RCC	IS 1199 (series)	Fresh concrete — Sampling and methods of test	Sampling, consistency/workability and other tests on fresh concrete.	Slump/workability and fresh-concrete quality control.
8	Concrete & RCC	IS 516 (series)	Hardened concrete — Methods of test	Strength, cores, permeability and non-destructive tests on hardened concrete.	Cube/core testing, UPV and other hardened concrete tests.
9	Concrete & RCC	IS 2386 (Part 1)	Methods of test for aggregates — Particle size and shape	Sieve analysis, flakiness/elongation and aggregate shape/gradation tests.	Aggregate laboratory testing.
10	Concrete & RCC	IS 2386 (Part 2)	Methods of test for aggregates — Deleterious materials and organic impurities	Tests for harmful constituents in aggregates.	Aggregate quality control.
11	Concrete & RCC	IS 2386 (Part 3)	Methods of test for aggregates — Specific gravity, density, voids, absorption and bulking	Physical properties of aggregate.	Mix design and aggregate QC.
12	Concrete & RCC	IS 2386 (Part 4)	Methods of test for aggregates — Mechanical properties	Crushing, impact and abrasion type tests.	Road/concrete aggregate strength assessment.
13	Concrete & RCC	IS 2386 (Part 5)	Methods of test for aggregates — Soundness	Resistance of aggregate to weathering action.	Durability assessment.
14	Concrete & RCC	IS 2386 (Part 6)	Methods of test for aggregates — Mortar making properties of fine aggregate	Influence of fine aggregate on mortar strength.	Fine aggregate evaluation.

No.	Category	IS Code	Subject / Title	What it deals with	Typical use
15	Concrete & RCC	IS 2386 (Part 7)	Methods of test for aggregates — Alkali aggregate reactivity	Potential alkali-silica/aggregate reaction assessment.	Durability and reactive aggregate screening.
16	Concrete & RCC	IS 2502	Bending and fixing of bars for concrete reinforcement — Code of practice	Bar bending, hooks, bends and fixing practices.	Reinforcement fabrication and BBS.
17	Concrete & RCC	IS 5525	Recommendations for detailing of reinforcement in reinforced concrete works	General reinforcement detailing practices.	RCC detailing and drawings.
18	Concrete & RCC	IS 3370 (Part 1)	Concrete structures for retaining aqueous liquids — General requirements	General requirements for liquid-retaining concrete structures.	Water tanks, reservoirs, treatment units.
19	Concrete & RCC	IS 3370 (Part 2)	Concrete structures for retaining aqueous liquids — Reinforced concrete structures	Design requirements for RCC liquid-retaining structures.	RCC tanks and reservoirs.
20	Concrete & RCC	IS 3370 (Part 3)	Concrete structures for retaining aqueous liquids — Prestressed concrete structures	Design requirements for PSC liquid-retaining structures.	Prestressed tanks.
21	Concrete & RCC	IS 3370 (Part 4)	Concrete structures for retaining aqueous liquids — Design tables	Design aids/tables for liquid-retaining structures.	Tank design checks.
22	Concrete & RCC	IS 7861 (Part 1)	Extreme weather concreting — Hot weather concreting	Precautions and practices for concreting in hot weather.	Summer concreting.
23	Concrete & RCC	IS 7861 (Part 2)	Extreme weather concreting — Cold weather concreting	Precautions and practices for concreting in cold weather.	Cold-region concreting.
24	Concrete & RCC	IS 9013	Method of making, curing and determining compressive strength of accelerated-cured concrete test specimens	Accelerated curing method for early strength assessment.	Early concrete strength control.
25	Concrete & RCC	IS 13311 (Part 1)	Non-destructive testing of concrete — Ultrasonic pulse velocity	UPV test principles and interpretation.	Concrete quality/uniformity assessment.
26	Concrete & RCC	IS 13311 (Part 2)	Non-destructive testing of concrete — Rebound hammer	Surface hardness/rebound method for concrete assessment.	Indicative in-situ strength/uniformity.
27	Concrete & RCC	IS 15988	Seismic evaluation and strengthening of existing reinforced concrete buildings — Guidelines	Assessment and seismic strengthening of existing RC buildings.	Retrofit/rehabilitation projects.

Cement & Reinforcement

No.	Category	IS Code	Subject / Title	What it deals with	Typical use
28	Cement & Reinforcement	IS 269	Ordinary Portland cement — Specification	Requirements for OPC 33 grade.	Cement acceptance/procurement.
29	Cement & Reinforcement	IS 8112	Ordinary Portland cement, 43 grade — Specification	Requirements for OPC 43 grade.	General concrete works.
30	Cement & Reinforcement	IS 12269	Ordinary Portland cement, 53 grade — Specification	Requirements for OPC 53 grade.	High-strength/general RCC.
31	Cement & Reinforcement	IS 1489 (Part 1)	Portland pozzolana cement — Fly ash based	Requirements for fly-ash based PPC.	Durable/mass/general concrete.
32	Cement & Reinforcement	IS 1489 (Part 2)	Portland pozzolana cement — Calcined clay based	Requirements for calcined-clay based PPC.	Concrete and masonry.
33	Cement & Reinforcement	IS 455	Portland slag cement — Specification	Requirements for PSC cement.	Marine/aggressive environment and durable concrete.
34	Cement & Reinforcement	IS 3466	Masonry cement — Specification	Requirements for masonry cement.	Plastering and masonry mortar.
35	Cement & Reinforcement	IS 4031 (series)	Physical tests for hydraulic cement	Methods for fineness, consistency, setting time, soundness, strength, etc.	Cement laboratory testing.
36	Cement & Reinforcement	IS 4032	Chemical analysis of hydraulic cement	Methods of chemical analysis of cement.	Cement chemical quality control.
37	Cement & Reinforcement	IS 1786	High strength deformed steel bars and wires for concrete reinforcement — Specification	Mechanical, chemical and dimensional requirements for TMT/HYSD reinforcement.	RCC reinforcement procurement.
38	Cement & Reinforcement	IS 432 (Part 1)	Mild steel and medium tensile steel bars for concrete reinforcement	Specification for plain reinforcement bars.	Legacy/special reinforcement uses.
39	Cement & Reinforcement	IS 432 (Part 2)	Hard-drawn steel wire for concrete reinforcement	Specification for hard-drawn steel wire.	Wire reinforcement.
40	Cement & Reinforcement	IS 1566	Hard-drawn steel wire fabric for concrete reinforcement — Specification	Requirements for welded wire fabric/mesh.	Slabs, pavements, precast works.

Structural Steel

No.	Category	IS Code	Subject / Title	What it deals with	Typical use
41	Structural Steel	IS 800	General construction in steel — Code of practice	Limit state design, fabrication, stability and connections for structural steel.	Steel buildings, sheds, platforms, industrial structures.

No.	Category	IS Code	Subject / Title	What it deals with	Typical use
42	Structural Steel	IS 801	Cold-formed light gauge steel structural members — Code of practice	Design of cold-formed steel members.	Purlins, light-gauge framing.
43	Structural Steel	IS 806	Use of steel tubes in general building construction — Code of practice	Structural design/use of steel tubes.	Tubular trusses, frames and supports.
44	Structural Steel	IS 808	Dimensions for hot rolled steel beam, column, channel and angle sections	Standard section dimensions and properties.	Steel member selection/drafting.
45	Structural Steel	IS 2062	Hot rolled medium and high tensile structural steel — Specification	Material grades and properties for structural steel.	Plates, sections and structural fabrication.
46	Structural Steel	IS 1161	Steel tubes for structural purposes — Specification	Requirements for structural steel tubes.	Tubular structures.
47	Structural Steel	IS 4923	Hollow steel sections for structural use — Specification	Requirements for rectangular/square hollow sections.	RHS/SHS frames and trusses.
48	Structural Steel	IS 4000	High strength bolts in steel structures — Code of practice	Design and installation of high-strength bolted joints.	HSFG connections.
49	Structural Steel	IS 3757	High strength structural bolts — Specification	Requirements for high strength bolts.	Steel connections.
50	Structural Steel	IS 6623	High strength structural nuts — Specification	Requirements for nuts used with high strength bolts.	Steel connections.
51	Structural Steel	IS 6649	Hardened and tempered washers for high strength structural bolts and nuts	Requirements for washers in HSFG assemblies.	Steel connections.
52	Structural Steel	IS 816	Use of metal arc welding for general construction in mild steel — Code of practice	Welded joint design/workmanship for mild steel.	Structural steel welding.
53	Structural Steel	IS 9595	Metal-arc welding of carbon and carbon-manganese steels — Recommendations	Welding procedure and workmanship recommendations.	Structural fabrication QA/QC.
54	Structural Steel	IS 4759	Hot-dip zinc coatings on structural steel and other allied products	Galvanizing requirements for structural steel.	Corrosion protection.
55	Structural Steel	IS 802 (series)	Use of structural steel in overhead transmission line towers — Code of practice	Loads, design, fabrication and erection of transmission towers.	Power/transmission tower structures.

Loads, Wind & Seismic

No.	Category	IS Code	Subject / Title	What it deals with	Typical use
56	Loads, Wind & Seismic	IS 875 (Part 1)	Design loads for buildings and structures — Dead loads	Unit weights and dead load provisions.	Building/structural load calculations.
57	Loads, Wind & Seismic	IS 875 (Part 2)	Design loads for buildings and structures — Imposed loads	Live/imposed loads for occupancies.	Building design.
58	Loads, Wind & Seismic	IS 875 (Part 3)	Design loads for buildings and structures — Wind loads	Wind speed, pressure and wind load calculation.	Buildings, towers, roofs, cladding.
59	Loads, Wind & Seismic	IS 875 (Part 4)	Design loads for buildings and structures — Snow loads	Snow load provisions.	Cold/snow regions.
60	Loads, Wind & Seismic	IS 875 (Part 5)	Design loads for buildings and structures — Special loads and load combinations	Special actions and load combinations.	Structural design combinations.
61	Loads, Wind & Seismic	IS 1893 (Part 1)	Criteria for earthquake resistant design of structures — General provisions and buildings	Seismic hazard, analysis and design provisions for buildings.	Earthquake-resistant building design.
62	Loads, Wind & Seismic	IS 1893 (Part 2)	Criteria for earthquake resistant design — Liquid retaining tanks	Seismic design provisions for liquid-retaining tanks.	Water tanks/reservoirs.
63	Loads, Wind & Seismic	IS 1893 (Part 3)	Criteria for earthquake resistant design — Bridges and retaining walls	Seismic provisions for bridges and retaining structures.	Bridge/retaining wall seismic design.
64	Loads, Wind & Seismic	IS 1893 (Part 4)	Criteria for earthquake resistant design — Industrial structures and stack-like structures	Earthquake design of industrial and stack-like structures.	Industrial plants, chimneys, towers.
65	Loads, Wind & Seismic	IS 1893 (Part 5)	Criteria for earthquake resistant design — Dams and embankments	Seismic design criteria for dams/embankments.	Water resources structures.
66	Loads, Wind & Seismic	IS 4326	Earthquake resistant design and construction of buildings — Code of practice	Construction features and seismic provisions for buildings.	Masonry/RC building earthquake resistance.
67	Loads, Wind & Seismic	IS 13827	Improving earthquake resistance of earthen buildings — Guidelines	Seismic strengthening/construction guidance for earthen buildings.	Rural/earthen construction.
68	Loads, Wind & Seismic	IS 13828	Improving earthquake resistance of low-strength masonry buildings — Guidelines	Seismic safety provisions for low-strength masonry.	Masonry buildings.

No.	Category	IS Code	Subject / Title	What it deals with	Typical use
69	Loads, Wind & Seismic	IS 13920	Ductile design and detailing of reinforced concrete structures subjected to seismic forces — Code of practice	Ductile reinforcement detailing requirements.	Seismic RCC frames/walls.
70	Loads, Wind & Seismic	IS 13935	Seismic evaluation, repair and strengthening of masonry buildings — Guidelines	Assessment and retrofit of masonry structures.	Existing masonry buildings.

Geotechnical & Foundations

No.	Category	IS Code	Subject / Title	What it deals with	Typical use
71	Geotechnical & Foundations	IS 1498	Classification and identification of soils for general engineering purposes	Engineering soil classification system.	Soil reports and earthwork/geotechnical classification.
72	Geotechnical & Foundations	IS 2720 (Part 1)	Methods of test for soils — Preparation of dry soil samples	Preparation of soil samples for laboratory testing.	Geotechnical laboratory.
73	Geotechnical & Foundations	IS 2720 (Part 2)	Methods of test for soils — Determination of water content	Moisture content tests.	Soil QC.
74	Geotechnical & Foundations	IS 2720 (Part 3)	Methods of test for soils — Specific gravity	Specific gravity of soil solids.	Soil index testing.
75	Geotechnical & Foundations	IS 2720 (Part 4)	Methods of test for soils — Grain size analysis	Particle size distribution by sieving/hydrometer.	Soil classification.
76	Geotechnical & Foundations	IS 2720 (Part 5)	Methods of test for soils — Liquid and plastic limit	Atterberg limits.	Soil classification/plasticity.
77	Geotechnical & Foundations	IS 2720 (Part 7)	Methods of test for soils — Water content-dry density relation using light compaction	Standard/light compaction relationship.	Earthwork/embankment QC.
78	Geotechnical & Foundations	IS 2720 (Part 8)	Methods of test for soils — Water content-dry density relation using heavy compaction	Heavy compaction relationship.	Pavement/earthwork QC.
79	Geotechnical & Foundations	IS 2720 (Part 10)	Methods of test for soils — Unconfined compressive strength	UCS of cohesive soil.	Clay strength testing.
80	Geotechnical & Foundations	IS 2720 (Part 11)	Methods of test for soils — Triaxial compression test	Shear strength parameters by triaxial test.	Foundation/slope analysis.
81	Geotechnical & Foundations	IS 2720 (Part 13)	Methods of test for soils — Direct shear test	Shear strength by direct shear.	Foundation/slope/backfill analysis.

No.	Category	IS Code	Subject / Title	What it deals with	Typical use
82	Geotechnical & Foundations	IS 2720 (Part 15)	Methods of test for soils — Consolidation properties	Compressibility/consolidation testing.	Settlement analysis.
83	Geotechnical & Foundations	IS 2720 (Part 16)	Methods of test for soils — Laboratory determination of CBR	California Bearing Ratio testing.	Road/subgrade evaluation.
84	Geotechnical & Foundations	IS 2720 (Part 17)	Methods of test for soils — Laboratory determination of permeability	Coefficient of permeability.	Seepage/drainage/geotechnical works.
85	Geotechnical & Foundations	IS 2720 (Part 28)	Methods of test for soils — In-situ dry density by sand replacement	Field dry density by sand replacement.	Earthwork compaction QC.
86	Geotechnical & Foundations	IS 2720 (Part 29)	Methods of test for soils — In-situ dry density by core cutter	Field dry density by core cutter.	Earthwork compaction QC.
87	Geotechnical & Foundations	IS 2131	Standard penetration test for soils — Method	SPT procedure and N-values.	Subsoil investigation.
88	Geotechnical & Foundations	IS 1888	Load test on soils — Method	Plate load test for bearing/settlement behavior.	Shallow foundation investigation.
89	Geotechnical & Foundations	IS 1892	Subsurface investigation for foundations — Code of practice	Planning and execution of geotechnical investigation.	Boreholes, sampling, field/lab investigation.
90	Geotechnical & Foundations	IS 6403	Determination of bearing capacity of shallow foundations — Code of practice	Bearing capacity calculation for shallow foundations.	Footing design.
91	Geotechnical & Foundations	IS 1904	Design and construction of foundations in soils — General requirements	General foundation design and construction requirements.	Building/industrial foundations.
92	Geotechnical & Foundations	IS 1080	Design and construction of shallow foundations in soils — Code of practice	Shallow footing construction and design guidance.	Isolated/combined/strip footings.
93	Geotechnical & Foundations	IS 2911 (Part 1/Sec 1)	Design and construction of pile foundations — Driven cast-in-situ concrete piles	Requirements for driven cast-in-situ piles.	Pile foundations.
94	Geotechnical & Foundations	IS 2911 (Part 1/Sec 2)	Design and construction of pile foundations — Bored cast-in-situ concrete piles	Requirements for bored cast-in-situ piles.	Pile foundations.
95	Geotechnical & Foundations	IS 2911 (Part 1/Sec 3)	Design and construction of pile foundations — Driven precast concrete piles	Requirements for driven precast piles.	Pile foundations.
96	Geotechnical & Foundations	IS 2911 (Part 4)	Design and construction of pile foundations — Load test on piles	Initial/routine pile load testing.	Pile capacity verification.

No.	Category	IS Code	Subject / Title	What it deals with	Typical use
97	Geotechnical & Foundations	IS 2950 (Part 1)	Design and construction of raft foundations — Code of practice	Design principles for raft/mat foundations.	Raft foundations.
98	Geotechnical & Foundations	IS 3955	Design and construction of well foundations — Code of practice	Well/caisson foundation design and construction.	Bridge and heavy foundations.
99	Geotechnical & Foundations	IS 8009 (Part 1)	Calculation of settlements of foundations — Shallow foundations	Settlement estimation for shallow foundations.	Foundation serviceability.
100	Geotechnical & Foundations	IS 8009 (Part 2)	Calculation of settlements of foundations — Deep foundations	Settlement estimation for pile/deep foundations.	Deep foundation serviceability.
101	Geotechnical & Foundations	IS 4968 (Part 1)	Method for subsurface sounding — Dynamic cone penetration test	Dynamic cone penetration testing.	Soil exploration/relative resistance.
102	Geotechnical & Foundations	IS 4968 (Part 3)	Method for subsurface sounding — Static cone penetration test	Static cone penetration procedure.	Geotechnical investigation.

Masonry & Building Materials

No.	Category	IS Code	Subject / Title	What it deals with	Typical use
103	Masonry & Building Materials	IS 1077	Common burnt clay building bricks — Specification	Requirements for conventional burnt clay bricks.	Brick masonry.
104	Masonry & Building Materials	IS 3495 (Part 1)	Methods of tests of burnt clay building bricks — Compressive strength	Brick compressive strength test.	Brick acceptance.
105	Masonry & Building Materials	IS 3495 (Part 2)	Methods of tests of burnt clay building bricks — Water absorption	Brick water absorption test.	Brick acceptance.
106	Masonry & Building Materials	IS 3495 (Part 3)	Methods of tests of burnt clay building bricks — Efflorescence	Brick efflorescence test.	Brick quality control.
107	Masonry & Building Materials	IS 3495 (Part 4)	Methods of tests of burnt clay building bricks — Warpage	Brick dimensional/warpage test.	Brick quality control.
108	Masonry & Building Materials	IS 5454	Methods for sampling of clay building bricks	Sampling procedure for brick lots.	Inspection/testing.

No.	Category	IS Code	Subject / Title	What it deals with	Typical use
109	Masonry & Building Materials	IS 12894	Pulverized fuel ash-lime bricks — Specification	Requirements for fly-ash-lime bricks.	Masonry units.
110	Masonry & Building Materials	IS 13757	Burnt clay fly ash building bricks — Specification	Requirements for fly-ash containing burnt clay bricks.	Masonry units.
111	Masonry & Building Materials	IS 2185 (Part 1)	Concrete masonry units — Hollow and solid concrete blocks	Requirements for normal-weight concrete blocks.	Block masonry.
112	Masonry & Building Materials	IS 2185 (Part 2)	Concrete masonry units — Hollow and solid lightweight concrete blocks	Requirements for lightweight concrete masonry units.	Lightweight block masonry.
113	Masonry & Building Materials	IS 2185 (Part 3)	Concrete masonry units — Autoclaved cellular aerated concrete blocks	Requirements for AAC blocks.	AAC masonry.
114	Masonry & Building Materials	IS 15658	Precast concrete blocks for paving — Specification	Requirements and testing of concrete paver blocks.	Footpaths, yards, paving.
115	Masonry & Building Materials	IS 1905	Structural use of unreinforced masonry — Code of practice	Design of load-bearing/unreinforced masonry.	Masonry walls/buildings.
116	Masonry & Building Materials	IS 2212	Brick works — Code of practice	Workmanship, bonding, joints and construction of brickwork.	Brick masonry execution.
117	Masonry & Building Materials	IS 1597 (Part 1)	Construction of stone masonry — Rubble stone masonry	Construction practices for rubble masonry.	Retaining walls, foundations, buildings.
118	Masonry & Building Materials	IS 1597 (Part 2)	Construction of stone masonry — Ashlar masonry	Construction practices for ashlar masonry.	Architectural/structural stone masonry.
119	Masonry & Building Materials	IS 2250	Preparation and use of masonry mortars — Code of practice	Mortar proportions, preparation and use.	Brick/block/stone masonry.
120	Masonry & Building Materials	IS 2116	Sand for masonry mortars — Specification	Grading and quality of sand for masonry mortar.	Mortar materials.

No.	Category	IS Code	Subject / Title	What it deals with	Typical use
121	Masonry & Building Materials	IS 1542	Sand for plaster — Specification	Quality/gradation of sand for plastering.	Plaster works.
122	Masonry & Building Materials	IS 1661	Application of cement and cement-lime plaster finishes — Code of practice	Preparation and application of plaster finishes.	Wall/ceiling plaster.
123	Masonry & Building Materials	IS 712	Building limes — Specification	Requirements for building lime.	Mortar/plaster/lime works.

Water Supply, Sanitation & Environmental

No.	Category	IS Code	Subject / Title	What it deals with	Typical use
124	Water Supply, Sanitation & Environmental	IS 10500	Drinking water — Specification	Acceptable/permissible limits and sampling/testing framework for potable water.	Water supply quality.
125	Water Supply, Sanitation & Environmental	IS 1172	Basic requirements for water supply, drainage and sanitation	Planning requirements for water demand and sanitation in buildings.	Building services design.
126	Water Supply, Sanitation & Environmental	IS 1742	Building drainage — Code of practice	Design and layout of sanitary drainage systems in buildings.	Soil/waste/vent piping.
127	Water Supply, Sanitation & Environmental	IS 2065	Water supply in buildings — Code of practice	Design and installation of internal water supply systems.	Building plumbing.
128	Water Supply, Sanitation & Environmental	IS 2470 (Part 1)	Septic tanks — Design and construction	Design and construction of septic tanks.	On-site sanitation.
129	Water Supply, Sanitation & Environmental	IS 2470 (Part 2)	Septic tanks — Secondary treatment and disposal of effluent	Soak pits, dispersion and effluent disposal after septic tanks.	On-site sanitation.
130	Water Supply, Sanitation & Environmental	IS 458	Precast concrete pipes — Specification	Requirements for RCC/NP concrete pipes.	Drainage, sewerage, culverts.
131	Water Supply, Sanitation & Environmental	IS 783	Laying of concrete pipes — Code of practice	Handling, bedding, jointing and laying concrete pipes.	Drainage/sewer pipelines.

No.	Category	IS Code	Subject / Title	What it deals with	Typical use
132	Water Supply, Sanitation & Environmental	IS 3025 (series)	Methods of sampling and test for water and wastewater	Physical, chemical and biological water/wastewater test methods.	Environmental laboratory/water quality.
133	Water Supply, Sanitation & Environmental	IS 3370 (series)	Concrete structures for retaining aqueous liquids	Design/construction of water-retaining concrete structures.	Water tanks, reservoirs, STP/WTP units.
134	Water Supply, Sanitation & Environmental	IS 4111 (series)	Ancillary structures in sewerage system — Code of practice	Requirements for manholes and other sewer appurtenances.	Sewerage networks.
135	Water Supply, Sanitation & Environmental	IS 8413 (Part 1)	Biological treatment equipment — Trickling filters	Requirements/guidance for trickling filter treatment equipment.	Sewage treatment.
136	Water Supply, Sanitation & Environmental	IS 8413 (Part 2)	Biological treatment equipment — Activated sludge process	Requirements/guidance for activated sludge systems.	STP design/equipment.
137	Water Supply, Sanitation & Environmental	IS 6279	Equipment for grit removal devices — Specification	Requirements for grit removal equipment.	Sewage treatment plants.
138	Water Supply, Sanitation & Environmental	IS 6280	Sewage screens — Specification	Requirements for sewage screening equipment.	STP inlet works.

Roads & Pavement Materials

No.	Category	IS Code	Subject / Title	What it deals with	Typical use
139	Roads & Pavement Materials	IS 73	Paving bitumen — Specification	Grades and quality requirements for paving bitumen.	Flexible pavement works.
140	Roads & Pavement Materials	IS 8887	Bitumen emulsion for roads — Specification	Requirements for road bitumen emulsions.	Tack coat, prime, surface treatments.
141	Roads & Pavement Materials	IS 15462	Polymer and rubber modified bitumen — Specification	Requirements for modified binders.	High-performance flexible pavements.
142	Roads & Pavement Materials	IS 1201 to IS 1220 (series)	Methods for testing tar and bituminous materials	Sampling, consistency, penetration, softening point, ductility and other binder tests.	Bitumen laboratory testing.

No.	Category	IS Code	Subject / Title	What it deals with	Typical use
143	Roads & Pavement Materials	IS 6241	Method of test for determination of stripping value of road aggregates	Adhesion/stripping behavior of aggregate with bitumen.	Bituminous mix aggregate suitability.
144	Roads & Pavement Materials	IS 2720 (Part 16)	Laboratory determination of CBR	CBR of subgrade/soil.	Pavement thickness inputs.
145	Roads & Pavement Materials	IS 2386 (Part 4)	Mechanical properties of aggregates	Crushing/impact/abrasion-related aggregate tests.	Pavement aggregate QC.
146	Roads & Pavement Materials	IS 15658	Precast concrete blocks for paving	Paver block material, dimensions and tests.	Footpath/yard/low-volume paving.

Building Construction & Measurement

No.	Category	IS Code	Subject / Title	What it deals with	Typical use
147	Building Construction & Measurement	IS 962	Architectural and building drawings — Code of practice	Conventions, presentation and information on architectural/building drawings.	Drawing office/CAD standards.
148	Building Construction & Measurement	IS 10711	Technical drawings — Size and layout of drawing sheets	Drawing sheet sizes/layout conventions.	Engineering drawings.
149	Building Construction & Measurement	IS 1200 (Part 1)	Method of measurement of building and civil engineering works — Earthwork	Measurement rules for excavation/filling.	BOQ/estimation.
150	Building Construction & Measurement	IS 1200 (Part 2)	Method of measurement — Concrete works	Measurement rules for concrete.	BOQ/estimation.
151	Building Construction & Measurement	IS 1200 (Part 3)	Method of measurement — Brickwork	Measurement rules for brick masonry.	BOQ/estimation.
152	Building Construction & Measurement	IS 1200 (Part 4)	Method of measurement — Stone masonry	Measurement rules for stone masonry.	BOQ/estimation.
153	Building Construction & Measurement	IS 1200 (Part 5)	Method of measurement — Formwork	Measurement rules for formwork.	BOQ/estimation.

No.	Category	IS Code	Subject / Title	What it deals with	Typical use
154	Building Construction & Measurement	IS 1200 (Part 8)	Method of measurement — Steelwork and ironwork	Measurement rules for structural steel/ironwork.	BOQ/estimation.
155	Building Construction & Measurement	IS 1200 (Part 9)	Method of measurement — Roof covering	Measurement rules for roofing.	BOQ/estimation.
156	Building Construction & Measurement	IS 1200 (Part 11)	Method of measurement — Paving, floor finishes, dado and skirting	Measurement rules for flooring/paving finishes.	BOQ/estimation.
157	Building Construction & Measurement	IS 1200 (Part 12)	Method of measurement — Plastering and pointing	Measurement rules for plaster and pointing.	BOQ/estimation.
158	Building Construction & Measurement	IS 1200 (Part 13)	Method of measurement — Whitewashing, colour washing, distempering and painting	Measurement rules for finishing/painting.	BOQ/estimation.
159	Building Construction & Measurement	IS 1200 (Part 23)	Method of measurement — Piling	Measurement rules for piling works.	BOQ/estimation.
160	Building Construction & Measurement	IS 1200 (series)	Methods of measurement of building and civil engineering works	Standard measurement conventions across many work items.	Estimation, billing and quantity surveying.
161	Building Construction & Measurement	IS 2571	Laying in-situ cement concrete flooring — Code of practice	Materials and workmanship for cement concrete floors.	Industrial/building flooring.
162	Building Construction & Measurement	IS 1443	Laying and finishing of cement concrete flooring tiles — Code of practice	Laying of cement concrete tiles.	Floor finishes.
163	Building Construction & Measurement	IS 2114	Laying in-situ terrazzo floor finish — Code of practice	Terrazzo flooring construction.	Floor finishes.
164	Building Construction & Measurement	IS 5318	Laying of flexible PVC sheet and tile flooring — Code of practice	Installation of PVC floor finishes.	Building finishes.
165	Building Construction & Measurement	IS 1346	Waterproofing of roofs with bitumen felts — Code of practice	Bituminous membrane roof waterproofing.	Roof waterproofing.

No.	Category	IS Code	Subject / Title	What it deals with	Typical use
166	Building Construction & Measurement	IS 3067	General design details and preparatory work for damp-proofing and waterproofing of buildings	General waterproofing/DPC detailing and preparation.	Building waterproofing.

Fire & Construction Safety

No.	Category	IS Code	Subject / Title	What it deals with	Typical use
167	Fire & Construction Safety	IS 1641	Fire safety of buildings — General principles	General fire prevention and fire safety planning principles.	Building fire safety.
168	Fire & Construction Safety	IS 1642	Fire safety of buildings — Details of construction	Fire-resisting construction details.	Building design.
169	Fire & Construction Safety	IS 1643	Fire safety of buildings — Exposure hazard	Separation/exposure considerations between buildings.	Site/building fire planning.
170	Fire & Construction Safety	IS 1644	Fire safety of buildings — Exit requirements and personal hazard	Means of escape and exit planning.	Building egress.
171	Fire & Construction Safety	IS 1646	Fire safety of buildings — Electrical installations	Fire safety requirements related to electrical installations.	Building services coordination.
172	Fire & Construction Safety	IS 2190	Selection, installation and maintenance of first-aid fire extinguishers — Code of practice	Selection/location/maintenance of portable extinguishers.	Buildings and facilities.
173	Fire & Construction Safety	IS 3844	Installation and maintenance of internal fire hydrants and hose reels — Code of practice	Hydrant/hose-reel system requirements.	Fire fighting systems.
174	Fire & Construction Safety	IS 15105	Design and installation of fixed automatic sprinkler fire extinguishing systems — Code of practice	Sprinkler system design/installation.	Fire protection.
175	Fire & Construction Safety	IS 3696 (Part 1)	Safety code of scaffolds and ladders — Scaffolds	Safety requirements for scaffolds.	Construction safety.

No.	Category	IS Code	Subject / Title	What it deals with	Typical use
176	Fire & Construction Safety	IS 3696 (Part 2)	Safety code of scaffolds and ladders — Ladders	Safety requirements for ladders.	Construction safety.
177	Fire & Construction Safety	IS 3764	Safety code for excavation work	Safety in trenches, excavations and earthwork.	Construction safety.
178	Fire & Construction Safety	IS 4081	Safety code for blasting and related drilling operations	Safety during drilling/blasting.	Rock excavation.
179	Fire & Construction Safety	IS 4130	Safety code for demolition of buildings	Safe planning and execution of demolition.	Demolition works.
180	Fire & Construction Safety	IS 4912	Safety requirements for floor and wall openings, railings and toe boards	Temporary/permanent protection against falls/openings.	Construction/industrial safety.
181	Fire & Construction Safety	IS 7969	Safety code for handling and storage of building materials	Safe storage/handling of construction materials.	Construction sites.

Doors, Windows, Glass & Timber

No.	Category	IS Code	Subject / Title	What it deals with	Typical use
182	Doors, Windows, Glass & Timber	IS 1038	Steel doors, windows and ventilators — Specification	Requirements for steel doors/windows/ventilators.	Building joinery.
183	Doors, Windows, Glass & Timber	IS 1948	Aluminium doors, windows and ventilators — Specification	Requirements for aluminium joinery.	Building envelopes.
184	Doors, Windows, Glass & Timber	IS 2553 (Part 1)	Safety glass — Architectural, building and general uses	Requirements for safety glazing.	Facades, doors, partitions.
185	Doors, Windows, Glass & Timber	IS 883	Design of structural timber in building — Code of practice	Structural design of timber members and connections.	Timber roofs/buildings.
186	Doors, Windows, Glass & Timber	IS 401	Preservation of timber — Code of practice	Timber preservative treatment.	Durability/termite/fungal protection.

No.	Category	IS Code	Subject / Title	What it deals with	Typical use
187	Doors, Windows, Glass & Timber	IS 1141	Seasoning of timber — Code of practice	Drying/seasoning methods and requirements.	Timber construction.
188	Doors, Windows, Glass & Timber	IS 2202 (Part 1)	Wooden flush door shutters — Solid core type	Requirements for solid-core flush doors.	Building doors.
189	Doors, Windows, Glass & Timber	IS 2202 (Part 2)	Wooden flush door shutters — Cellular/hollow core type	Requirements for cellular/hollow-core flush doors.	Building doors.

Precast, Pipes & Miscellaneous

No.	Category	IS Code	Subject / Title	What it deals with	Typical use
190	Precast, Pipes & Miscellaneous	IS 15916	Building design and erection using prefabricated concrete — Code of practice	Design/erection principles for precast concrete buildings.	Precast construction.
191	Precast, Pipes & Miscellaneous	IS 15917	Building design and erection using mixed/composite construction — Code of practice	Guidance for mixed construction systems.	Precast/composite building systems.
192	Precast, Pipes & Miscellaneous	IS 4995 (Part 1)	Criteria for design of reinforced concrete bins for storage of granular and powdery materials — General requirements and assessment of bin loads	Loads and general design basis for bins/silos.	Industrial storage structures.
193	Precast, Pipes & Miscellaneous	IS 4995 (Part 2)	Criteria for design of reinforced concrete bins — Design criteria	Structural design of RCC bins/silos.	Industrial structures.
194	Precast, Pipes & Miscellaneous	IS 6533 (Part 1)	Design and construction of steel chimneys — Mechanical aspects	Mechanical/load-related design aspects for steel chimneys.	Industrial chimneys.
195	Precast, Pipes & Miscellaneous	IS 6533 (Part 2)	Design and construction of steel chimneys — Structural aspects	Structural design requirements for steel chimneys.	Industrial chimneys.
196	Precast, Pipes & Miscellaneous	IS 4998 (Part 1)	Criteria for design of reinforced concrete chimneys — Assessment of loads	Load assessment for RCC chimneys.	Industrial chimneys.
197	Precast, Pipes & Miscellaneous	IS 4998 (Part 2)	Criteria for design of reinforced concrete chimneys — Structural design	Structural design of RCC chimneys.	Industrial chimneys.

BIS Special Publications (SP)

SP publications are explanatory handbooks, design aids, or national codes. They do not automatically replace the governing IS Code — verify current BIS status before design, tender, or approval use.

SP Code	Category	Title	What it deals with	Typical use	Status / note
SP 6 (Part 5):1980	Structural Steel	Handbook for structural engineers: Part 5 — Cold-formed, light gauge steel structures	Design guidance and reference for cold-formed/light-gauge steel structural members.	Purlins, light steel framing, cold-formed structural work.	BIS official references show this publication under CED 7.
SP 7:2016	Buildings / NBC	National Building Code of India	Integrated national guidance covering building planning, structural design coordination, fire and life safety, services, construction management and sustainability through its Parts/Sections.	Building planning, approval, design coordination, fire safety, construction and services.	Current BIS listing includes NBC 2016; BIS has also been developing the next revision.
SP 16:1980	Concrete & RCC	Design Aids for Reinforced Concrete to IS 456	Design charts/tables and aids prepared for reinforced-concrete design to the then-current IS 456.	Quick RCC design calculations and educational/reference use.	BIS committee material lists SP 16:1980 as withdrawn/superseded; retain for legacy reference only.
SP 20:1981	Masonry	Explanatory Handbook on Masonry Code	Explanatory guidance for use of Indian masonry-code provisions.	Masonry design and interpretation of masonry code provisions.	Legacy explanatory handbook; verify present status before use.
SP 21:2005	Building Materials	Summaries of Indian Standards for Building Materials	Summaries of standards for cement/concrete, lime, stone, timber, bitumen, finishes, waterproofing, sanitary fittings, reinforcement, steel, glass, plastics and other building materials.	Material selection, specifications and quick standards reference.	BIS preview identifies SP 21:2005 as first revision.
SP 22:1982	Earthquake Engineering	Explanatory Handbook on Codes of Earthquake Engineering	Explanatory material related to earthquake-resistant design codes such as IS 1893 and IS 4326 of its publication era.	Understanding seismic-code concepts and legacy provisions.	Legacy handbook; always use current seismic IS standards for design.
SP 23:1982	Concrete	Handbook on Concrete Mixes	Reference handbook on concrete mixes and related Indian Standards.	Concrete mix proportioning/reference and field/lab guidance.	BIS CED programme documents continue to list SP 23:1982.
SP 24:1983	Concrete & RCC	Explanatory Handbook on Indian Standard Code of Practice for Plain and Reinforced Concrete (IS 456-1978)	Clause-by-clause explanatory background and guidance for the then-current IS 456 provisions.	Understanding legacy RCC code provisions.	Legacy handbook; use current IS 456 for design.
SP 25:1984	Building Maintenance	Handbook on Causes and Prevention of Cracks in Buildings	Causes, diagnosis and preventive measures for cracks in buildings.	Crack investigation, maintenance, repair planning and construction-quality guidance.	BIS preview available.
SP 32:1986	Building Services / Industrial	Handbook on Functional Requirements of Industrial Buildings (Lighting and Ventilation)	Lighting, ventilation and environmental-functional requirements for industrial buildings.	Factory/industrial building planning, daylighting and ventilation.	BIS published-list/preview available.

SP Code	Category	Title	What it deals with	Typical use	Status / note
SP 34:1987	Concrete & RCC	Handbook on Concrete Reinforcement and Detailing	Practical reinforcement detailing, bar arrangements, anchorage, laps and detailing concepts for concrete structures.	RCC drawings, reinforcement detailing and BBS reference.	BIS preview available; check compatibility with current IS 456/IS 13920 before design use.
SP 35 (S&T):1987	Water Supply & Plumbing	Handbook on Water Supply and Drainage (with Special Emphasis on Plumbing)	Planning and practice for building water supply, drainage, sanitary plumbing and related fittings/pipes.	Building plumbing, water supply and drainage design/reference.	Referenced by current BIS/NBC documents.
SP 41 (S&T):1987	Buildings	Handbook on Functional Requirements of Buildings (Other Than Industrial Buildings)	Functional planning requirements such as comfort, lighting, ventilation and related building-performance considerations for non-industrial buildings.	Residential, institutional and commercial building planning.	BIS published listing/preview available.
SP 57 (QAWSM):1993	Water Supply	Handbook on Pipes and Fittings for Drinking Water Supply	Selection, handling, laying, jointing and testing guidance for pipes and fittings used in potable water systems.	Water-supply pipelines and pipe-material selection.	BIS preview available.
SP 62:1997	Buildings / Repairs	Handbook on Causes and Prevention of Cracks in Buildings	Reference on mechanisms, diagnosis and prevention of cracking in building components/materials.	Building pathology, repair and maintenance.	BIS database cross-references SP 62:1997; check relationship with earlier SP 25 when citing.
SP 64 (S&T):2001	Wind Loads	Explanatory Handbook on IS 875 (Part 3) — Wind Loads	Background, interpretation, flow charts and worked examples for wind-load provisions of IS 875 (Part 3):1987.	Wind-load calculations and understanding code methodology.	Use only as explanatory/legacy aid; design should follow the current IS 875 (Part 3).
SP 70:2001	Construction Safety	Handbook on Construction Safety Practices	Construction-site safety practices for erection, excavation, welding, working at height, material handling and related activities.	Construction safety plans, method statements and site controls.	Referenced in BIS construction project-management standards.
SP 72:2010	Lighting	National Lighting Code 2010	Lighting principles and recommendations for interior/exterior applications, daylighting and lighting performance.	Building lighting coordination and illumination planning.	Referenced by current NBC revision drafts.