

## BUREAU OF INDIAN STANDARDS

### Program of Work

#### CHD 8 : Occupational Safety and Health

**Scope:** To formulate Indian Standard for i) Terminology relating to Occupational health and safety ii) Specifications and code of practice for occupational health and safety equipment iii) Code of safety for operational hazards in industries other than chemical industries iv) Test methodologies for occupational health and safety equipment v) Occupational health and safety management system, procedure and practices;

**Liaison:** **ISO TC-283 (P): Occupational health and safety management ISO TC-94 SC-6 (P): Eye and face Protection ISO TC-94 SC-15 (P): Respiratory protective devices**

### Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10224:1982 <i>Reviewed In : 2019</i> <i>ISO 6385 : 1981</i>	Ergonomic Principles in the Design of Work Systems	November, 2019	-	Not Equivalent
2	IS 10245 (Part 1):1996 <i>Reviewed In : 2022</i>	Breathing Apparatus: Part 1 closed circuit breathing apparatus (Compressed Oxygen Cylinder) - Specification (First Revision)	May, 2022	1	Indigenous
3	IS 10245 (Part 2):1994 <i>Reviewed In : 2022</i>	Respiratory protective devices - Specification: Part 2 open circuit breathing apparatus (First Revision)	February, 2022	2	Indigenous
4	IS 10245 (Part 2):2023	Respiratory Protective Devices - Specification : Part 2 self-contained open circuit breathing apparatus (Second Revision)		-	Indigenous
5	IS 10245 (Part 3):1999 <i>Reviewed In : 2022</i>	Breathing Apparatus: Part 3 fresh air hose and compressed air line breathing apparatus - Specification (First Revision)	May, 2022	-	Indigenous
6	IS 10245 (Part 3):2025	Respiratory Protective Devices Part 3 Fresh Air Hose and Compressed Air Line Breathing Apparatus ( Second Revision )		-	Indigenous
7	IS 10245 (Part 4):1982 <i>Reviewed In : 2019</i>	Specification for breathing apparatus: Part 4 escape breathing apparatus (Short Duration Self - Contained Type)	November, 2019	-	Indigenous
8	IS 10592:2018 <i>Reviewed In : 2023</i>	Industrial Emergency Showers, Eye and Face Fountains and Combination Units - Specification (First Revision)	May, 2023	-	Indigenous
9	IS 10667:2025	Selection of Industrial Safety Equipment for Protection of Foot		-	Indigenous

		and Leg - Guide ( First Revision )			
10	IS 13293:1992 Reviewed In : 2019 Reaffirmed but not taken up for revision	Gas Detector Tubes - General Requirements and Methods of Test	November, 2019	1	Indigenous
11	IS 13366:1992 Reviewed In : 2025 Decision taken to Reaffirm and Archive	Resuscitators Intended for Use with Humans - Specification	January, 2025	-	Indigenous
12	IS 14138 (Part 1):2024	Respiratory Protective Devices - Threads for Facepieces - Specification : Part 1 standard thread connection (First Revision)		-	Indigenous
13	IS 14138 (Part 2):2024	Respiratory Protective Devices - Threads for Facepieces - Specification : Part 2 centre thread connection (First Revision)		-	Indigenous
14	IS 14166:2024	Respiratory protective devices full - Face masks - Specification (First Revision)		-	Indigenous
15	IS 14170:2024	Respiratory Protective Devices - Mouthpiece Assemblies - Specification (First Revision)		-	Indigenous
16	IS 14489:2018 Reviewed In : 2023	Occupational Health and Safety Audit - Code of Practice (First Revision)	October, 2023	-	Indigenous
17	IS 14746:2025	Respiratory protective devices - Half masks and quarter masks - Specification ( First Revision )		-	Indigenous
18	IS 15322:2003 Reviewed In : 2019	Particle Filters used in Respiratory Protective Equipment - Specification	November, 2019	1	Indigenous
19	IS 15323:2003 Reviewed In : 2019	Gas Filters and Combined Filters used in Respiratory Protective Equipment - Specification	November, 2019	-	Indigenous
20	IS 15793:2007 Reviewed In : 2023	Managing Environment, Occupational Health and Safety Legal Compliance - Requirements of Good Practices	May, 2023	1	Indigenous
21	IS 15803:2008 Reviewed In : 2023	Respiratory Protective Devices - Self Contained Closed Circuit Breathing Apparatus Chemical Oxygen (KO2) Type, Self Generating, Self Rescuers - Specification	May, 2023	3	Indigenous
22	IS 16508:2017 Reviewed In : 2022	Swimming pool for public - Code of safety	September, 2022	-	Indigenous
23	IS 17274 (Part 1):2023 ISO 16900-1 : 2019 ISO 16900-1 : 2019	Respiratory protective devices Methods of test and test equipment : Part 1 Determination of inward leakage (First Revision)		-	Identical under dual numbering
24	IS 17274 (Part 2):2019 ISO 16900-2 : 2017 Reviewed In : 2024	Respiratory Protective Devices – Methods of Test and Test Equipment Part 2 Determination of Breathing Resistance	March, 2024	-	Identical under dual numbering

	16900-2: 2017				
25	IS 17274 (Part 3):2019 ISO 16900-3 : 2012 Reviewed In : 2024 16900-3:2012	Respiratory Protective Devices - Methods of Test and Test Equipment : Part 3 Determination of Particle Filter Penetration	March, 2024	-	Identical under dual numbering
26	IS 17274 (Part 5):2019 ISO 16900-5 : 2016 Reviewed In : 2024 16900-5 :2016	Respiratory Protective Devices - Methods of test and test equipment : Part 5 Breathing machine, metabolic simulator, RPD head forms and torso, tools and verification tools	March, 2024	1	Identical under dual numbering
27	IS 17274 (Part 6):2023 ISO 16900-6 : 2021 ISO 16900-6 : 2021	Respiratory protective devices Methods of test and test equipment : Part 6 Mechanical resistance strength of components and connections (First Revision)		-	Identical under dual numbering
28	IS 17274 (Part 7):2023 ISO 16900-7 : 2020 ISO 16900-7 : 2020	Respiratory protective devices Methods of test and test equipment : Part 7 Practical performance test methods (First Revision)		-	Identical under dual numbering
29	IS 17274 (Part 8):2019 ISO 16900-8 : 2015 Reviewed In : 2024 16900-8 :2015	Respiratory Protective Devices – Methods of Test and Test Equipment : Part 8 Measurement of RPD Air Flow Rates of Assisted Filtering RPD	March, 2024	-	Identical under dual numbering
30	IS 17274 (Part 9):2019 ISO 16900-9 : 2015 Reviewed In : 2024 16900-9 : 2015	Respiratory Protective Devices - Methods of Test and Test Equipment : Part 9 Determination of Carbon Dioxide Content of the Inhaled Gas	March, 2024	-	Identical under dual numbering
31	IS 17274 (Part 10):2019 ISO 16900-10 : 2015 Reviewed In : 2024 16900-10 :2015	Respiratory Protective Devices - Methods of Test and Test Equipment : Part 10 Resistance to Ignition, Flame, Radiant Heat and Heat	March, 2024	-	Identical under dual numbering
32	IS 17274 (Part 11):2019 ISO 16900-11 : 2013 Reviewed In : 2024 16900-11 :2013	Respiratory Protective Devices - Methods of Test and Test Equipment : Part 11 Determination of Field of Vision	March, 2024	-	Identical under dual numbering
33	IS 17274 (Part 12):2019 ISO 16900-12 : 2016 Reviewed In : 2024 16900-12 :2016	Respiratory Protective Devices - Methods of Test and test Equipment : Part 12 Determination of Volume-Averaged Work of Breathing and Peak Respiratory Pressures	March, 2024	-	Identical under dual numbering
34	IS 17274 (Part 13):2019 ISO 16900-13 : 2015 Reviewed In : 2024 16900-13 : 2015	Respiratory Protective Devices - Methods of Test and Test Equipment : Part 13 RPD Using Regenerated Breathable Gas and Special Application Mining Escape RPD: Consolidated Test for Gas Concentration, Temperature, Humidity, Work of Breathing, Breathing Resistance, Elastance and Duration	March, 2024	-	Identical under dual numbering
35	IS 18001:2007 Reviewed In : 2023	Occupational Health and Safety Management Systems -	May, 2023	-	Indigenous

		Requirements with Guidance for Use (First Revision)			
36	IS 18347:2023	Hazard Identification and Risk Assessment (other than Chemical Industries) - Code of Practice		-	Indigenous
37	IS 19089:2025	RESPIRATORY PROTECTIVE DEVICES- POWERED FILTERING DEVICES INCORPORATING A HELMET OR HOOD- SPECIFICATION		-	Indigenous
38	IS 19198:2025	Respiratory Protective Devices for Self-Rescue $i_{L1/2}$ Filtering Devices with Hood for Escape from Fire $i_{L1/2}$ Specification		-	Indigenous
39	IS 19209:2025	Implementation of Occupational Health Safety Management System in Agencies Dealing with Solid Waste Management $i_{L1/2}$ Guidelines		-	Indigenous
40	IS 3521 (Part 1):2021 ISO 10333-1	Personal fall arrest systems - Specification : Part 1 full body harness (Fourth Revision)		1	Modified/Technically Equivalent
41	IS 3521 (Part 2):2021 ISO 10333-2 : 2000	Personal fall arrest systems - Specification : Part 2 lanyards and energy absorbers		-	Identical under dual numbering
42	IS 3521 (Part 3):2021 ISO 10333-3 ISO 10333-3	Personal fall arrest systems - Specification : Part 3 self-retracting lifelines		-	Identical under dual numbering
43	IS 3521 (Part 4):2021 ISO 10333-4 ISO 10333-4	Personal fall arrest systems - Specification : Part 4 vertical rails and vertical lifelines incorporating a sliding-type fall arrester		-	Identical under dual numbering
44	IS 3521 (Part 5):2021 ISO 10333-5 ISO 10333-5	Personal fall arrest systems - Specification : Part 5 connectors with self-closing and self-locking gates		-	Identical under dual numbering
45	IS 3521 (Part 6):2021 ISO 10333-6 ISO 10333-6	Personal fall arrest systems : Part 6 system performance tests		-	Identical under dual numbering
46	IS 3521 (Part 7):2021 ISO 14567 : 1999 ISO 14567 : 1999	Personal fall arrest systems - Specification : Part 7 Single point anchor devices		-	Identical under dual numbering
47	IS 3521 (Part 8):2021 0 ISO 16024 : 2005	Personal fall arrest systems - Specification : Part 8 Flexible horizontal lifeline systems		-	Identical under dual numbering
48	IS 3521 (Part 9):2021 0 ISO 22159 : 2007	Personal fall arrest systems - Specification : Part 9 Descending devices		-	Identical under dual numbering
49	IS 3786:2022	Method for computation of frequency and severity rates for industrial injuries and classification of industrial accidents		-	Indigenous
50	IS/ISO 45001:2018 ISO 45001 : 2018 Reviewed In : 2023	Occupational health and safety management systems - Requirements with guidance for	June, 2023	1	Identical under single numbering

	ISO 45001: 2018	use ( Second Revision )			
51	IS 7524 (Part 1):2021 ISO 18526-1 : 2020	Eye and face protection - Test methods : Part 1 Geometrical optical properties (Second Revision)		-	Identical under dual numbering
52	IS 7524 (Part 2):2021 ISO 18526-2 : 2020	Eye and face protection - Test methods : Part 2 Physical optical properties (Second Revision)		-	Identical under dual numbering
53	IS 7524 (Part 3):2021 ISO 18526-3 : 2020 ISO 18526-3 : 2020	Eye and face protection Test methods Part 3 Physical and mechanical properties		-	Identical under dual numbering
54	IS 7524 (Part 4):2021 ISO 18526-4 : 2020 ISO 18526-4 : 2020	Eye and face protection - Test methods : Part 4 Headforms		-	Identical under dual numbering
55	IS 8091:2018 Reviewed In : 2023	Industrial plant layout - Code of safe practice (Second Revision)	August, 2023	-	Indigenous
56	IS 8095:1976 Reviewed In : 2023	Specification for accident prevention tags	May, 2023	-	Indigenous
57	IS 8218 (Part 1):1976 Reviewed In : 2024 Reaffirmed but not taken up for revision	Safety code for plant railways : Part 1 Layout	August, 2024	-	Indigenous
58	IS 8218 (Part 2):1982 Reviewed In : 2024 Reaffirmed but not taken up for revision	Safety code for plant railways: Part 2 Locomotives, wagons and their movement	August, 2024	-	Indigenous
59	IS 8347:2024 ISO 16972 : 2020	RESPIRATORY PROTECTIVE DEVICES i½ DEFINITIONS, CLASSIFICATION AND NOMENCLATURE OF COMPONENTS (Second Revision)		-	Not Equivalent
60	IS 8519:2024	Guide for Selection of Occupational Protective Clothing i½ Body Protection (Selection, Care, and Maintenance) (First Revision)		-	Indigenous
61	IS 8520:2023 ISO 19734 : 2021 ISO 19734 : 2021	Eye and face protection “ Guidance on selection, use, and maintenance (First Revision)		-	Identical under dual numbering
62	IS 8521 (Part 1):2022 ISO 16321-1 ISO 16321-1	Eye and face protection for occupational use : Part 1 General requirements (First Revision)		-	Identical under dual numbering
63	IS 8521 (Part 2):2022 ISO 16321-3 ISO 16321-3	Eye and face protection for occupational use : Part 2 Additional requirements for mesh protectors (First Revision)		-	Identical under dual numbering
64	IS 8521 (Part 3):2025 ISO 16321-2 : 2021 ISO 16321-2 : 2021	Eye and Face Protection for Occupational Use Part 3 Additional Requirements for Protectors Used During Welding and Related		-	Identical under dual numbering

		Techniques			
65	IS 8807:2025	Selection of Industrial Safety Equipment for Protection of Arms and Hands i½ Guidelines ( First Revision )		-	Indigenous
66	IS 8940:1978 Reviewed In : 2018	Code of practice for maintenance and care of industrial safety equipment for eye and face protection	May, 2018	-	Indigenous
67	IS 9167:1979 Reviewed In : 2021	Specification for ear protectors	December, 2021	1	Indigenous
68	IS 9167:2025	HEARING PROTECTOR - SPECIFICATION (FIRST REVISION)		-	Indigenous
69	IS 9457:2025	SAFETY COLOURS SAFETY SIGNS AND ACCIDENT PREVENTION TAGS - CODE OF PRACTICE (Second Revision)		-	Indigenous
70	IS 9457:2005 Reviewed In : 2021	Safety colours and safety signs - Code of practice (First Revision)	January, 2021	-	Indigenous
71	IS 9473:2002 Reviewed In : 2025 ISO 3864-1 : 2002	Respiratory protective devices - Filtering half masks to protect against particles - Specification (First Revision)	January, 2025	1	Not Equivalent
72	IS 9623:2008 Reviewed In : 2023	Selection, use and maintenance of respiratory protective devices - Code of practice (First Revision)	May, 2023	-	Indigenous
73	IS 9679:2024	Work environment monitoring (Airborne Contaminants) - Code of Practice (First Revision)		-	Indigenous
74	IS 9937:1981 Reviewed In : 2018 Reaffirmed but not taken up for revision	Specification for portable methanometer (Electrical Type)	May, 2018	-	Indigenous

### Standards under Development

#### Projects Approved

Sl. No.	Doc No.	Title
No Records Found		

#### Preliminary Draft Standards

Sl. No.	Doc No.	Title
No Records Found		

#### Drafts Standards in WC Stage

Sl. No.	Doc No.	Title
No Records Found		

#### Draft Standards Completed WC Stage

Sl. No.	Doc No.	Title
1	CHD 8 (25930)	GUIDE FOR SELECTION OF PPE FOR WASTE HANDLING
2	CHD 8 (27782)	Safety Harness for Child to be Carried on Two Wheelers Specifications

3	CHD 8 (28061)	Respiratory Protective Devices - Specification Part 2 self-contained open circuit breathing apparatus Second Revision Amendment - 1
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Finalized Draft Indian Standard		
Sl. No.	Doc No.	Title
1	CHD 8 (28062)	Respiratory Protective Devices Methods of Test and Test Equipment Part 4 Determination of gas filter capacity and migration desorption and carbon monoxide dynamic testing
2	CHD 8 (28122)	Respiratory Protective Devices Methods of Test and Test Equipment Part 14 Measurement of Sound Pressure Level
3	CHD 8 (28123)	Personal Protective Equipment Test Methods for Sunglasses and Related Eyewear
4	CHD 8 (28131)	Eye and Face Protection Sunglasses and Related Eyewear Part 1 Sunglasses for General Use
5	CHD 8 (28132)	Eye and Face Protection Sunglasses and Related Eyewear Part 2 Filters for Direct Observation of the Sun
6	CHD 8 (28133)	Eye and Face Protection Sunglasses and Related Eyewear Part 3 Sunglasses for Running Cycling and Similar Active Lifestyles

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

Total Published Standards:64    Total Standards Under development:9
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Aspect Wise Report
Product : 30
Code of Practices : 16
Methods of Test : 18
Terminology : 1
Dimensions : 0
System Standard : 2
Safety Standard : 0
Others : 2
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded		
Sl. No.	IS No. & Year	Title
1	IS 102:1962 Reviewed In : 2005	Ready mixed paint brushing red lead non-setting priming
2	IS 1022:1956	Kotka phosphate
3	IS 1023:1956	Dicalcium phosphate
4	IS 10592:1982 Reviewed In : 2013 ISO 13931:2013	industrial emergency showers eye and face fountains and combination units
5	IS 10669:1983	Mangrove extract
6	IS 1092:1957	China clay for textile and paper industries
7	IS 12625:1989	Solid wastes - Hospitals - Guidelines for management
8	IS 131:1965	Ready mixed paint spraying finishing for railway under-frames black Revised
		Anti-corrosive Paint Brushing For Ships Bottom And Hulls Red Or Chocolate



9	IS 1404:1989 Reviewed In : 1999	
10	IS 162:1950 Reviewed In : 1993 ISO 10458:1994	Plastic pipes and fittings - Combined chemical - Resistance classification table
11	IS 163:1978 Reviewed In : 1999 ISO 12646:2008	Graphic technology - Displays for colour proofing - Characteristics and viewing conditions
12	IS 257:1950	Magnesium sulphate epsom salt technical
13	IS 290:1961 Reviewed In : 1996	Coal tar black paint
14	IS 340:1978	Varnish Mixing
15	IS 349:1981 Reviewed In : 1996	Lacquer Cellulose Nitrate Clear Finishing Glossy For Metal
16	IS 377:1954	Epsom Salt Pharmaceutical
17	IS 378:1952	Potash Alum Pharmaceutical
18	IS 379:1952	Anhydrous Sodium Sulphate Pharmaceutical
19	IS 424:1965 Reviewed In : 1996	Plastic Asphalt
20	IS 4607:1968	Code of safety for hazardous chemicals
21	IS 572:1954 Reviewed In : 2003	Disodium phosphate dodecahydrate technical
22	IS 5818:1988 Reviewed In : 2004	Lacquers and Decorative Finishes for Food Cans
23	IS 5983:1980 Reviewed In : 2018 ISO 4849 : 1981 ISO 4850 : 1979 ISO 4851 : 1979 ISO 4852 : 1978	Specification for eye - Protectors First Revision
24	IS 6161:1971 Reviewed In : 1999	Primer-Surfacer Stoving Exterior Red and Grey for Automobiles
25	IS 8089:1976 Reviewed In : 2007	Code of safe practice for layout of outside facilities in an industrial plant
26	IS 8318:1977 Reviewed In : 1996	Colour identification markings for air purifying canisters and cartridges
27	IS 8522:1977	Respirators Chemical Cartridge
28	IS 8523:1977 Reviewed In : 1997	Respirators Canister Type gas Masks
29	IS 9380:1979	Pyrites For Chemical Industry
30	IS 9563:1980 Reviewed In : 2017	Specification for carbon monoxide filter self - Rescuers

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

Sl. No.	IS No. & Year	Title
1	IS 10245 (Part 1):1996 Reviewed In : 2022	Breathing Apparatus Part 1 closed circuit breathing apparatus Compressed Oxygen Cylinder - Specification First Revision
2	IS 10245 (Part 2):2023 ISO 9173-2:2010	Respiratory Protective Devices - Specification Part 2 self-contained open circuit breathing apparatus Second Revision
3	IS 10245 (Part 3):2025	Respiratory Protective Devices Part 3 Fresh Air Hose and Compressed Air Line Breathing Apparatus Second Revision



4	IS 10245 (Part 4):1982 Reviewed In : 2019	Specification for breathing apparatus Part 4 escape breathing apparatus Short Duration Self - Contained Type
5	IS 13293:1992 Reviewed In : 2019 Reaffirmed but not taken up for revision	Gas Detector Tubes - General Requirements and Methods of Test
6	IS 13366:1992 Reviewed In : 2025 Decision taken to Reaffirm and Archive	Resuscitators Intended for Use with Humans - Specification
7	IS 14138 (Part 1):2024	Respiratory Protective Devices - Threads for Facepieces - Specification Part 1 standard thread connection First Revision
8	IS 14138 (Part 2):2024	Respiratory Protective Devices - Threads for Facepieces - Specification Part 2 centre thread connection First Revision
9	IS 14166:2024	Respiratory protective devices full - Face masks - Specification First Revision
10	IS 14170:2024	Respiratory Protective Devices - Mouthpiece Assemblies - Specification First Revision
11	IS 14746:2025	Respiratory protective devices - Half masks and quarter masks - Specification First Revision
12	IS 15322:2003 Reviewed In : 2019	Particle Filters used in Respiratory Protective Equipment - Specification
13	IS 15323:2003 Reviewed In : 2019	Gas Filters and Combined Filters used in Respiratory Protective Equipment - Specification
14	IS 15803:2008 Reviewed In : 2023	Respiratory Protective Devices - Self Contained Closed Circuit Breathing Apparatus Chemical Oxygen KO2 Type Self Generating Self Rescuers - Specification
15	IS 19089:2025	RESPIRATORY PROTECTIVE DEVICES- POWERED FILTERING DEVICES INCORPORATING A HELMET OR HOOD- SPECIFICATION
16	IS 19198:2025	Respiratory Protective Devices for Self-Rescue Filtering Devices with Hood for Escape from Fire Specification
17	IS 3521 (Part 1):2021 IEC 62153-4-4: 2015	Personal fall arrest systems - Specification Part 1 full body harness Fourth Revision
18	IS 3521 (Part 2):2021 0	Personal fall arrest systems - Specification Part 2 lanyards and energy absorbers
19	IS 3521 (Part 3):2021 ISO 10333-3	Personal fall arrest systems - Specification Part 3 self-retracting lifelines
20	IS 3521 (Part 4):2021 ISO 10333-4	Personal fall arrest systems - Specification Part 4 vertical rails and vertical lifelines incorporating a sliding-type fall arrester
21	IS 3521 (Part 5):2021 ISO 10333-5 ISO 10333-5	Personal fall arrest systems - Specification Part 5 connectors with self-closing and self-locking gates
22	IS 3521 (Part 7):2021 ISO 14567 : 1999 ISO 21043-1 : 2018	Personal fall arrest systems - Specification Part 7 Single point anchor devices
23	IS 3521 (Part 8):2021 0 ISO 21043-2 : 2018	Personal fall arrest systems - Specification Part 8 Flexible horizontal lifeline systems
24	IS 3521 (Part 9):2021 0 0	Personal fall arrest systems - Specification Part 9 Descending devices
25	IS 8095:1976 Reviewed In : 2023	Specification for accident prevention tags
26	IS 8521 (Part 1):2022 ISO 16321-1	Eye and face protection for occupational use Part 1 General requirements First Revision
27	IS 8521 (Part 2):2022 ISO 16321-3	Eye and face protection for occupational use Part 2 Additional requirements for mesh protectors First Revision

	ISO 10789: 2011	
28	IS 9167:2025	HEARING PROTECTOR - SPECIFICATION FIRST REVISION
29	IS 9473:2002 Reviewed In : 2025 ISO 3864-1 : 2002	Respiratory protective devices - Filtering half masks to protect against particles - Specification First Revision
30	IS 9937:1981 Reviewed In : 2018 Reaffirmed but not taken up for revision	Specification for portable methanometer Electrical Type