

BUREAU OF INDIAN STANDARDS

Program of Work

MED 7 : Earth Moving Equipment and Material Handling

Scope: 1) Formulation of standards for terminology, general design and construction, classification, ratings, leading dimensions, safety code of operation and maintenance and testing and inspection methods of mechanical, pneumatic and hydraulic bulk handling systems and equipment for loose bulk material including fluid material and unit loads (other than those covered by Conveyors, Vertical Hoists and Bucket Elevators Sectional Committee, MED 6) such as: a) Unloading equipment such as wagon tipplers, wagon marshalling equipment, wagon unloading equipment and ship un-loaders b) Stacking and loading equipment such as stackers, reclaimers, ship, wagon and truck loaders c) Hydraulic conveying equipment such as coal and ash conveying equipment d) Pneumatic conveying equipment such as food grains, cement, fertilizer, ash and pulverized conveying equipment; e) Batching and bagging equipment such as automatic bag filling machines and automatic weighing and bagging equipment f) Earth-moving machinery and equipment. g) Non-powered material handling equipment such as hand-trucks, platform trucks, Lifting tables, pallet trucks, stillage lifting trucks and all types of trolleys, wheel barrows 2) Co-ordination of work with ISO/TC 127 'Earth Moving, Machinery' and ISO/TC 110 Industrial Trucks".

Liaison: **TC-1 (P):** *Screw threads* **TC-110 (P):** *Industrial trucks* **TC-127 (P):** *Earth-moving machinery* **TC-127 SC-1 (P):** *Test methods relating to safety and machine performance* **TC-127 SC-2 (P):** *Safety, ergonomics and general requirements* **TC-127 SC-3 (P):** *Machine characteristics, electrical and electronic systems, operation and maintenance* **TC-127 SC-4 (P):** *Terminology, commercial nomenclature, classification and ratings*

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10095:2022	GUIDELINES FOR SELECTION OF TIPPLERS FOR BROAD GAUGE OPEN RAILWAY WAGONS (FIRST REVISION)		-	Indigenous
2	IS 10223:2023	General Requirements for Tow-caster, System for Transportation of Freight Containers (First Revision)		-	Indigenous
3	IS/ISO 10262:1998 ISO 10262 : 1998 Reviewed In : 2022 ISO 10262 : 1998	Earth moving machinery - Hydraulic excavators - Laboratory tests and performance requirements for operator protective guards	November, 2022	-	Identical under single numbering
4	IS/ISO 10263-2:2009 ISO 10263-2 : 2009	Earth - Moving machinery - Operator enclosure environment: Part 2 air filter element test	March, 2022	-	Identical under single numbering

	Reviewed In : 2022 ISO 10263 : Part 2 : 2009	method			
5	IS/ISO 10263-3:2009 ISO 10263-3 : 2009 Reviewed In : 2022 ISO 10263 : Part 3 : 2009	Earth - Moving machinery - Operator enclosure environment: Part 3 pressurization test method	March, 2022	-	Identical under single numbering
6	IS/ISO 10263-4:2009 ISO 10263-4 : 2009 Reviewed In : 2023 ISO 10263-4:2009	Earth - Moving machinery - Operator enclosure environment: Part 4 heating, ventilating and air conditioning (HVAC) test method and performance	June, 2023	-	Identical under dual numbering
7	IS/ISO 10263-5:2009 ISO 10263-5 : 2009 ISO 10263-5 : 2009	EARTH-MOVING MACHINERY OPERATOR ENCLOSURE ENVIRONMENT PART 5 WINDSCREEN DEFROSTING SYSTEM TEST METHOD		-	Identical under single numbering
8	IS/ISO 10264:1990 ISO 10264 : 1990 Reviewed In : 2022 ISO 10264:1990	Earth-Moving Machinery - Key- Locked Starting Systems	November, 2022	-	Identical under single numbering
9	IS/ISO 10265:2008 ISO 10265 : 2008 Reviewed In : 2022 ISO 10265 : 2008	Earth - Moving machinery - Crawler machines - Performance requirements and test procedures for braking systems	March, 2022	-	Identical under single numbering
10	IS 10303:1993 ISO 6749 Reviewed In : 2024 Decision taken to Reaffirm and Archive ISO 6749:1984	Earth moving machinery - Preservation and storage (First Revision)	December, 2024	-	Identical under dual numbering
11	IS 10443:2006 Reviewed In : 2022	Data sheet for selection of marine loading arms (First Revision)	March, 2022	-	Indigenous
12	IS 10463 (Part 2):1985 Reviewed In : 2023	Glossary of terms for bulk handling equipment: Part 2 stacking, loading and reclaiming equipment	March, 2023	-	Indigenous
13	IS 10463 (Part 2):2025	Bulk Handling Equipment - Glossary of Terms Part 2 Stacking, Loading and Reclaiming Equipment (First Revision)		-	Indigenous
14	IS 10463 (Part 6):1983 Reviewed In : 2023	Glossary of terms for bulk handling equipment: Part 6 cyclic loose bulk handling equipment (Non - Stationary)	March, 2023	-	Indigenous
15	IS 10463 (Part 6):2025	Bulk Handling Equipment - Glossary of Terms Part 6 Cyclic Loose Bulk Handling Equipment (Non-stationary) (first revision)		-	Indigenous
16	IS 10464:2023	Data Sheet for Selection of Wagon Puller/Pusher (First Revision)		-	Indigenous
17	IS 10506:1996 Reviewed In : 2025 Decision taken to Reaffirm and Archive	Trolley for carrying jute bales - Specification (First Revision)	January, 2025	-	Indigenous
18	IS 10525:2022	SPECIFICATION FOR		-	Indigenous

		GENERAL PURPOSE DRINKING WATER TROLLEY First Revision of IS 10525			
19	IS/ISO 10532:1995 ISO 10532 : 1995 Reviewed In : 2022 ISO 10532 : 1995	Earth - Moving machinery - Machine - Mounted retrieval device - Performance equirements	November, 2022	-	Identical under single numbering
20	IS/ISO 10533:1993 ISO 10533 : 1993 Reviewed In : 2022 ISO 10533 : 1993	Earth - Moving machinery - Lift - Arm support devices	November, 2022	-	Identical under single numbering
21	IS/ISO 10567:2007 ISO 10567 : 2007 Reviewed In : 2022 ISO 10567 : 2007	Earth - Moving machinery - Hydraulic excavators - Lift capacity	March, 2022	-	Identical under single numbering
22	IS/ISO 10570:2004 ISO 10570 : 2004 Reviewed In : 2023 ISO 10570 : 2004	Earth - Moving machinery - Articulated frame lock - Performance requirements	June, 2023	-	Identical under single numbering
23	IS 10678:2025	Data Sheet for Design/Selection of Vacuum Producer		-	Indigenous
24	IS 10689:1993 ISO 2860 Reviewed In : 2025 Decision taken to Reaffirm and Archive ISO 2860 : 1992	Earth moving machinery - Minimum access dimensions (First Revision)	January, 2025	-	Identical under dual numbering
25	IS 10856:1993 ISO 6484 Reviewed In : 2022 ISO 6484:1986	Earth - Moving machinery - Elevating scrapers - Volumetric ratings (First Revision)	December, 2022	-	Identical under dual numbering
26	IS 10859:1993 ISO 6483 Reviewed In : 2023 ISO 6483:1980	Earth - Moving machinery - Dumper bodies - Volumetric ratings (First Revision)	March, 2023	-	Identical under dual numbering
27	IS/ISO 10968:2020 ISO 10968 : 2020 Reviewed In : 2025 10968:2020	Earth-Moving Machinery - Operator's Controls (First Revision)	January, 2025	-	Identical under single numbering
28	IS/ISO 10987:2012 ISO 10987 ISO 10987	EARTH-MOVING MACHINERY SUSTAINABILITY TERMINOLOGY SUSTAINABILITY FACTORS AND REPORTING		-	Identical under single numbering
29	IS/ISO 10987-2:2017 ISO 10987-2 ISO 10987-2	Earth - Moving Machinery â€™” Sustainability Part 2 Remanufacturing		-	Identical under single numbering
30	IS/ISO 10987-3:2017 ISO 10987-3 ISO 10987-3	Earth - Moving Machinery â€™” Sustainability Part 3 Used Machines		-	Identical under single numbering
31	IS/ISO 11112:1995 ISO 11112 : 1995 Reviewed In : 2022 ISO 11112 : 1995	Earth Moving Machinery - Operator's Seat - Dimensions and Requirements	November, 2022	-	Identical under single numbering
32	IS 11113:1999 ISO 5353	Earth-moving machinery, and tractors and machinery for	December, 2022	-	Identical under dual numbering

	Reviewed In : 2022 ISO 5353:1995	agriculture and forestry - Seat index point (second revision)			
33	IS 11114 (Part 2):2006 ISO 6746-1 Reviewed In : 2023 ISO 6746-1:2003	Earth - Moving machinery - Definitions of dimensions and codes: Part 2 base machine (Second Revision)	February, 2023	-	Identical under dual numbering
34	IS 11114 (Part 3):2006 ISO 6746-2 Reviewed In : 2023 ISO 6746-2:2003	Earth - Moving machinery - Definitions of dimensions and codes: Part 3 (Equipment And Attachments Second Revision)	February, 2023	-	Identical under dual numbering
35	IS 11249:1985 Reviewed In : 2025 Decision taken to Reaffirm and Archive	Data sheet for selection of front end loaders	January, 2025	-	Indigenous
36	IS 11252:1993 ISO 6682 Reviewed In : 2022 ISO 6682:1986	Earth - Moving machinery - Zones of comfort and reach for controls (First Revision)	November, 2022	-	Identical under dual numbering
37	IS 11496:1985 Reviewed In : 2025 Decision taken to Reaffirm and Archive	General and performance test requirements of pallet truck and stillage truck	January, 2025	-	Indigenous
38	IS 11738 (Part 1):2025	BULK HANDLING EQUIPMENT CRAWLER TRACTORS DATA SHEET PART 1 INFORMATION TO BE SUPPLIED BY PURCHASER Second Revision		-	Indigenous
39	IS 11738 (Part 2):1993 Reviewed In : 2023	Bulk handling equipment - Crawler tractors - Data sheet: Part 2 information to be supplied by manufacturer/supplier (First Revision)	February, 2023	-	Indigenous
40	IS 11738 (Part 2):2025	BULK HANDLING EQUIPMENT - CRAWLER TRACTORS - DATA SHEET PART 2 INFORMATION TO BE SUPPLIED BY MANUFACTURER/SUPPLIER (second revision)		-	Indigenous
41	IS/ISO 11862:1993 ISO 11862 : 1993 Reviewed In : 2022 ISO 11862:1993	Earth-Moving Machinery - Auxiliary Starting Aid Electrical Connector	November, 2022	-	Identical under single numbering
42	IS/ISO 12117-2:2008 ISO 12117-2 : 2008 ISO 12117 : Part 2 : 2008	Earth moving machinery laboratory tests and performance requirements for protective structures of excavators: Part 2 roll - Over protective structures (Rops) for excavators of over 6 t		-	Identical under single numbering
43	IS 12137:2025	WAGON PULLER/PUSHER - GENERAL REQUIREMENTS (First Revision)		-	Indigenous
44	IS 12140:1987 Reviewed In : 2023	Data sheet for selection of dumpers	March, 2023	-	Indigenous

	Reaffirmed but not taken up for revision				
45	IS 12206:1993 ISO 7546 Reviewed In : 2022 ISO 7546 :1983	Earth - Moving machinery - Loader and front loading excavator buckets - Volumetric ratings (First Revision)	November, 2022	-	Identical under dual numbering
46	IS 12359:1988 Reviewed In : 2025 Decision taken to Reaffirm and Archive	Guide for selection of wheels and castors	January, 2025	-	Indigenous
47	IS 12402 (Part 1):1988 Reviewed In : 2022	Mobile containers for solid waste: Part 1 general characteristics	March, 2022	-	Indigenous
48	IS 12402 (Part 2):1988 Reviewed In : 2022	Mobile containers for solid waste: Part 2 methods of test	March, 2022	-	Indigenous
49	IS/ISO 12508:1994 ISO 12508 : 1994 Reviewed In : 2022 ISO 12508 : 1994	Earth - Moving machinery - Operator station and maintenance areas - Bluntness of edges	November, 2022	-	Identical under single numbering
50	IS/ISO 12509:2004 ISO 12509 : 2004 ISO 12509:2023	Earth - Moving machinery - Lighting, signaling and marking lights and reflex - Reflector devices		-	Identical under single numbering
51	IS/ISO 12509:2023 ISO 12509:2023 ISO 12509:2023	Earth-Moving Machinery and Rough-Terrain Trucks - Lighting, Signalling and Marking Lights and Reflex Reflectors (FIRST REVISION)		-	Identical under single numbering
52	IS 12567:2022	Pneumatic Handling Equipment - Bends - Dimensions (First Revision)		-	Indigenous
53	IS 12645:1993 ISO 9246 Reviewed In : 2025 ISO 9246:1988	Earth - Moving machinery - Crawler and wheel tractor dozer blades - Volumetric ratings (First Revision)	January, 2025	-	Identical under dual numbering
54	IS 12663 (Part 1):2023	Bulk Handling Equipment - Reclaimer - Data Sheet for Selection Part 1 Scraper Reclaimer (Rail Mounted) (First Revision)		-	Indigenous
55	IS 12663 (Part 2):2000 Reviewed In : 2021	Bulk handling equipment - Reclaimer - Data sheet for bucket wheel reclaimer (Rail Mounted): Part 2 information to be supplied by the purchaser	February, 2021	-	Indigenous
56	IS 12663 (Part 3):2000 Reviewed In : 2023	Bulk handling equipment - Reclaimer - Data sheet for bucket wheel reclaimer (Rail Mounted): Part 3 information to be supplied by the manufacturer	February, 2023	-	Indigenous
57	IS 12669 (Part 1):2023	Bulk Handling Equipment - Hydraulic Excavator - Data Sheet For Selection Part 1 Hoe (First Revision)		-	Indigenous
58	IS/ISO 13031:2016 ISO 13031 : 2016 Reviewed In : 2024	Earth-Moving Machinery - Quick Couplers - Safety	August, 2024	-	Identical under single numbering

	ISO 13031:2016				
59	IS 13065:1991 Reviewed In : 2022	Bulk handling equipment - Wagon marshalling equipment - Endless rope type - General requirements	March, 2022	-	Indigenous
60	IS 13076:1991 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Hand trolley for carrying mail bags - Specification	December, 2024	-	Indigenous
61	IS 13081:1991 Reviewed In : 2025 Decision taken to Reaffirm and Archive	Earth moving machinery - Symbols - Guidelines for development and evaluation	January, 2025	-	Indigenous
62	IS 13082 (Part 1):1991 Reviewed In : 2022	Bulk handling equipment - Ship unloader - Gantry mounted grab type - Code of practice for design, manufacture and erection:: Part 1 mechanical and structural requirements	March, 2022	-	Indigenous
63	IS 13082 (Part 2):1991 Reviewed In : 2022	Bulk handling equipment - Ship unloader - Gantry mounted grab type - Code of practice for design, manufacture and erection,; Part 2 electro - Mechanical requirements	March, 2022	-	Indigenous
64	IS 13082 (Part 3):1991 Reviewed In : 2022	Bulk handling equipment - Ship unloader - Gantry mounted grab type - Code of practice for design, manufacture and erection,; Part 3 information to be supplied by purchaser and the manufacturer	March, 2022	-	Indigenous
65	IS 13113:2025	BULK HANDLING EQUIPMENT WAGON MARSHALLING EQUIPMENT ENDLESS ROPE TYPE DATA SHEET		-	Indigenous
66	IS 13148 (Part 1):1999 ISO 5049-1 Reviewed In : 2023 ISO 5049-1:1994	Mobile equipment for continuous handling of bulk materials: Part 1 rules for the design of steel structure (First Revision)	March, 2023	-	Identical under dual numbering
67	IS 13253:1992 ISO 8925 Reviewed In : 2023 ISO 8925:1989	Earth - Moving machinery - Diagnostic ports	March, 2023	-	Identical under dual numbering
68	IS/ISO 13333:1994 ISO 13333 : 1994 Reviewed In : 2022 ISO 13333:1994	Earth-Moving Machinery - Dumper Body Support and Operators Cab Tilt Support Devices	November, 2022	-	Identical under single numbering
69	IS/ISO 13459:2012 ISO 13459 : 2012 ISO 13459:2012	Earth-Moving Machinery - Trainer Seat - Deflection Limiting Volume, Space Envelope and Performance Requirements		-	Identical under single numbering
70	IS 13652:1993 Reviewed In : 2023 Reaffirmed but not taken up for revision	Bulk Handling Equipment - Dumper - Supplier's Data Sheet	March, 2023	-	Indigenous
71	IS 13685 (Part	Bulk handling equipment - Ship	March, 2023	-	Indigenous

	1):1993 Reviewed In : 2023 Reaffirmed but not taken up for revision	loader - Rail mounted - Data sheet for selection: Part 1 information to be supplied by purchaser			
72	IS 13685 (Part 2):1993 Reviewed In : 2023 Reaffirmed but not taken up for revision	Bulk handling equipment - Ship loader - Rail mounted data sheet for selection: Part 2 information to be supplied by manufacturer/supplier	March, 2023	-	Indigenous
73	IS/ISO 13766-1:2018 ISO 13766-1 : 2018 Reviewed In : 2025 ISO 13766 -1:201	Earth-Moving and Building Construction Machinery - Electromagnetic Compatibility (EMC) of Machines with Internal Electrical Power Supply Part 1 General EMC Requirements Under Typical Electromagnetic Environmental Conditions	January, 2025	-	Identical under single numbering
74	IS/ISO 13766-2:2018 ISO 13766-2 : 2018 Reviewed In : 2025 ISO 13766 -2:2018	Earth-Moving and Building Construction Machinery - Electromagnetic Compatibility (EMC) of Machines with Internal Electrical Power Supply Part 2 Additional EMC Requirements for Functional Safety	January, 2025	-	Identical under single numbering
75	IS 13768:2016 ISO 3164 : 2013 Reviewed In : 2021	Earth - Moving machinery - Laboratory evaluations of protective structures - Specifications for deflection - Limiting volume (Second Revision)	February, 2021	-	Indigenous
76	IS 13811:2023	Air Cargo (Bulk) Trolley - Specification (First Revision)		-	Indigenous
77	IS 13936:1994 Reviewed In : 2023	Bulk handling equipment - Wheeled loaders - General requirements	March, 2023	-	Indigenous
78	IS 13945:2023	Bulk Handling Equipment - Bagging Machines (Electronic Type) - Data Sheet (First Revision)		-	Indigenous
79	IS 13951:1994 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Heavy item lift platform for aircraft/airport operations - General requirements	December, 2024	1	Indigenous
80	IS 13989:1994 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Bulk handling equipment - Bagging machines (Mechanical Type) - Design and construction - General requirements	December, 2024	-	Indigenous
81	IS 13992:1994 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Bulk handling equipment - Bagging machines (Electronic Type) - Design and construction - General requirements	December, 2024	-	Indigenous
82	IS 14130:2023	Hydraulic Lifting Table - Specification (First Revision)		-	Indigenous
83	IS/ISO 14397-1:2007	Earth-Moving Machinery - Loaders and Backhoe Loaders Part 1		-	Identical under single numbering

	ISO 14397-1 : 2007 ISO 14397-1:2007	Calculation of Rated Operating Capacity and Test Method for Verifying Calculated Tipping Load			
84	IS/ISO 14401-2:2009 ISO 14401-2 : 2009 ISO 14401 : Part 2 : 2009	Earth - Moving machinery - Field of vision of surveillance and rear - View mirrors: Part 2 performance criteria		-	Identical under single numbering
85	IS 14416:1996 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Bulk handling equipment - Boom type bucket wheel reclaimer - Rail mounted - Design, manufacture and erection - Code of practice	December, 2024	-	Indigenous
86	IS 14417:1996 Reviewed In : 2025 Decision taken to Reaffirm and Archive	Bulk handling equipment - Single boom slewable stacker - Rail mounted - Design, manufacture and erection - Code of practice	January, 2025	-	Indigenous
87	IS 14418:2025	BULK HANDLING EQUIPMENT SHIP LOADER RAIL MOUNTED DESIGN MANUFACTURE AND ERECTION CODE OF PRACTICE		-	Indigenous
88	IS 14704:2025	Bulk Handling Equipment $\frac{1}{2}$ Bag Stacker - Cum - Loader $\frac{1}{2}$ Portable $\frac{1}{2}$ Design and Construction $\frac{1}{2}$ General Requirements		-	Indigenous
89	IS/ISO 14990-1:2016 ISO 14990-1 : 2016 ISO 14990-1:2016	Earth-Moving Machinery - Electrical Safety of Machines Utilizing Electric Drives and Related Components and Systems Part 1 General Requirements		-	Identical under single numbering
90	IS/ISO 14990-2:2016 ISO 14990-2 : 2016 ISO 14990-2:2016	Earth-Moving Machinery - Electrical Safety of Machines Utilizing Electric Drives and Related Components and Systems Part 2 Particular Requirements for Externally-Powered Machines		-	Identical under single numbering
91	IS/ISO 14990-3:2016 ISO 14990-3 : 2016 ISO 14990-3:2016	Earth-Moving Machinery - Electrical Safety of Machines Utilizing Electric Drives and Related Components and Systems Part 3 Particular Requirements for Self-Powered Machines		-	Identical under single numbering
92	IS 15367 (Part 1):2003 Reviewed In : 2023	Bulk handling equipment - Stacker (Rail Mounted): Part 1 general requirements	February, 2023	-	Indigenous
93	IS 15367 (Part 2):2003 Reviewed In : 2023	Bulk handling equipment - Stacker (Rail Mounted): Part 2 data to be furnished by the purchaser	February, 2023	-	Indigenous
94	IS 15367 (Part 3):2003 Reviewed In : 2023	Bulk handling equipment - Stacker (Rail Mounted): Part 3 data to be furnished by the manufacturer/supplier	February, 2023	-	Indigenous
95	IS/ISO 15817:2012 ISO 15817 : 2012	Earth-Moving Machinery - Safety Requirements for Remote Operator		-	Identical under single numbering

	ISO 15817:2012	Control Systems			
96	IS/ISO 15818:2017 53.100 ISO 15818:2017	Earth-Moving Machinery - Lifting and Tying-Down Attachment Points - Performance Requirements		-	Identical under single numbering
97	IS/ISO 15998:2008 ISO 15998 : 2008 ISO 15998:2008	Earth-Moving Machinery - Machine-Control Systems (MCS) Using Electronic Components - Performance Criteria and Tests for Functional Safety		-	Identical under single numbering
98	IS/ISO 16001:2017 ISO 16001 : 2017 ISO 16001:2017	Earth-Moving Machinery - Object Detection Systems and Visibility Aids - Performance Requirements and Tests		-	Identical under single numbering
99	IS 16479:2020 Reviewed In : 2025 ISO 3450:2011	Performance Requirements and Test Procedures of Braking Systems for Wheeled or High-Speed Rubber Tracked Earth Moving Machines and Construction Equipment Vehicles (First Revision)	March, 2025	1	Modified/Technically Equivalent
100	IS 16480:2018 Reviewed In : 2023 iso 5010:2007	Earth moving machinery - Rubber tyred machines - Steering requirements	January, 2023	-	Not Equivalent
101	IS 17055 (Part 1):2019 ISO 20474-2 : 2017 Reviewed In : 2024	Earth-Moving Machinery - Safety Part 1 General Requirements	March, 2024	1	Indigenous
102	IS 17055 (Part 2):2020 Reviewed In : 2025 ISO 20474-2	Earth-Moving Machinery - Safety Part 2 Requirements for Tractor Dozers (second revision)	March, 2025	-	Not Equivalent
103	IS 17055 (Part 3):2018 Reviewed In : 2023 20474 Part 3 :2017	Earth - Moving machinery - Safety: Part 3 requirements for loaders	December, 2023	-	Identical under single numbering
104	IS 17055 (Part 4):2020 Reviewed In : 2025 ISO 20474-4	Earth-Moving Machinery — Safety Part 4 Requirements for Backhoe Loaders (Second Revision)	March, 2025	-	Not Equivalent
105	IS 17055 (Part 5):2018 Reviewed In : 2023 ISO 20474 Part 5:201	Earth - Moving machinery - Safety: Part 5 requirements for hydraulic excavators	December, 2023	-	Identical under single numbering
106	IS 17055 (Part 6):2021 ISO 20474-6	Earth - Moving Machinery - Safety Part 6 Requirements for Dumpers (Second Revision)		1	Not Equivalent
107	IS 17055 (Part 7):2020 Reviewed In : 2025 ISO 20474-7	Earth-Moving Machinery — Safety Part 7 Requirements for Scrapers (Second Revision)	March, 2025	-	Not Equivalent

108	IS 17055 (Part 8):2020 Reviewed In : 2025 ISO 20474-8	Earth-Moving Machinery — Safety Part 8 Requirements For Graders (Second Revision)	March, 2025	-	Not Equivalent
109	IS 17055 (Part 9):2020 Reviewed In : 2025 ISO 20474-9	Earth-Moving Machinery — Safety Part 9 Requirements for Pipelayers (Second Revision)	March, 2025	-	Not Equivalent
110	IS 17055 (Part 10):2020 Reviewed In : 2025 ISO 20474-10	Earth-Moving Machinery — Safety Part 10 Requirements for Trenchers (Second Revision)	March, 2025	-	Not Equivalent
111	IS 17055 (Part 11):2020 Reviewed In : 2027 ISO 20474-11	Earth-Moving Machinery — Safety Part 11 Requirements for Earth and Landfill Compactors (Second Revision)	March, 2027	-	Not Equivalent
112	IS 17055 (Part 12):2020 Reviewed In : 2025 ISO 20474-12	Earth-Moving Machinery — Safety Part 12 Requirements for Cable Excavators (Second Revision)	March, 2025	-	Not Equivalent
113	IS 17055 (Part 13):2020 Reviewed In : 2025 ISO 20474-13	Earth-Moving Machinery — Safety Part 13 Requirements for Rollers (Second Revision)	March, 2025	-	Not Equivalent
114	IS 17055 (Part 15):2020 ISO 20474-15 : 2019 Reviewed In : 2025 iso 20474-15	Earth-Moving Machinery – Safety Part 15 Requirements for Compact Tool Carriers	March, 2025	-	Identical under single numbering
115	IS/ISO 17063:2003 ISO 17063 : 2003 Reviewed In : 2023 ISO 17063 : 2003	Earth - Moving machinery - Braking systems of pedestrian - Controlled machines - Performance requirements and test procedures	July, 2023	-	Identical under single numbering
116	IS 17522:2021 ISO 22878 : 2004 22878	Castors and Wheels -Test Methods and Apparatus		-	Identical under dual numbering
117	IS 17523:2021 ISO 22879 : 2016 22879	Castors and Wheels - Requirements for Castors for Furniture		-	Identical under dual numbering
118	IS 17524:2021 ISO 22880 : 2016 22880	Castors and Wheels - Requirements for Castors for Swivel Chairs		-	Identical under dual numbering
119	IS/ISO 19014-1:2018 Reviewed In : 2024 ISO 19014-1:2018	Earth-Moving Machinery - Functional Safety Part 1 Methodology to Determine Safety-related Parts of the Control System and Performance Requirements	October, 2024	-	Identical under single numbering
120	IS/ISO 19014-3:2018 ISO 19014-3 : 2018 Reviewed In : 2025 ISO 19014-3:2018	Earth-Moving Machinery - Functional Safety Part 3 Environmental Performance and Test Requirements of Electronic and Electrical Components Used in	January, 2025	-	Identical under single numbering

		Safety-Related Parts of the Control System			
121	IS 19092 (Part 2):2025 ISO 19014-2:2022 ISO 19014-2:2022	EARTH-MOVING MACHINERY FUNCTIONAL SAFETY PART 2: DESIGN AND EVALUATION OF HARDWARE AND ARCHITECTURE REQUIREMENTS FOR SAFETY-RELATED PARTS OF THE CONTROL SYSTEM		-	Identical under dual numbering
122	IS 19092 (Part 4):2025 ISO 19014-4:2020 ISO 19014-4:2020	Earth-Moving Machinery $i_c^{1/2}$ Functional Safety Part 4 Design and Evaluation of Software and Data Transmission for Safety Related Parts of the Control System		-	Identical under dual numbering
123	IS 19092 (Part 5):2025 ISO 19014-5:2021 ISO 19014-5:2021	EARTH-MOVING MACHINERY FUNCTIONAL SAFETY PART 5: TABLES OF PERFORMANCE LEVELS		-	Identical under dual numbering
124	IS 19093 (Part 1):2025 ISO 21815-1 : 2022 ISO 21815-1 : 2022	EARTH-MOVING MACHINERY COLLISION WARNING AND AVOIDANCE PART 1: GENERAL REQUIREMENTS		-	Identical under dual numbering
125	IS 19094 (Part 1):2025 ISO 10263-1 : 2009 ISO 10263-1 : 2009	EARTH-MOVING MACHINERY OPERATOR ENCLOSURE ENVIRONMENT PART 1 TERMS AND DEFINITIONS (Adoption of ISO 10263-1)		-	Identical under dual numbering
126	IS 19094 (Part 6):2025 ISO 10263-6:2009 ISO 10263-6:2009	EARTH-MOVING MACHINERY OPERATOR ENCLOSURE ENVIRONMENT PART 6: DETERMINATION OF EFFECT OF SOLAR HEATING		-	Identical under dual numbering
127	IS/ISO 19104-1:2018 19104-1	Earth-Moving Machinery - Functional Safety Part 1 Methodology to Determine Safety-related Parts of the Control System and Performance Requirements		-	Identical under single numbering
128	IS 19108:2025 ISO 24410:2020 ISO 24410:2020	EARTH-MOVING MACHINERY COUPLING OF ATTACHMENTS TO SKID STEER LOADERS		-	Identical under dual numbering
129	IS 19154:2025 ISO 6165:2022 ISO 6165:2022	EARTH MOVING MACHINERY BASIC TYPES IDENTIFICATION AND VOCABULARY		-	Identical under dual numbering
130	IS/ISO 21507:2010 ISO 21507 : 2010 Reviewed In : 2023 ISO 21507 : 2010	Earth - Moving machinery - Performance requirements for non - Metallic fuel tanks	October, 2023	-	Identical under single numbering
131	IS/ISO 22877:2004 ISO 22877 Reviewed In : 2021 ISO 22877 : 2004	Castors and wheels - Vocabulary, symbols and multilingual terminology	February, 2021	-	Identical under single numbering
132	IS/ISO 22883:2004 Reviewed In : 2023 ISO 22883 : 2004	Castors and wheels - Requirements for applications upto 1.1 m/s (4 Km/h)	March, 2023	-	Identical under single numbering
133	IS/ISO 22884:2004	Castors and wheels - Requirements	February, 2023	-	Identical under single

	Reviewed In : 2023 ISO 22884 : 2004	for applications over 1.1 m/s (4 Km/h) and up to 4.4 m/s (16 Km/h)			numbering
134	IS/ISO 2330:2002 ISO 2330 : 2002 Reviewed In : 2024 ISO 2330:2002	Fork-Lift Trucks - Fork Arms - Technical Characteristics and Testing	August, 2024	-	Identical under single numbering
135	IS 2431:2022	Specification for steel wheelbarrows single-wheel type (first revision)		-	Indigenous
136	IS/ISO 2867:2011 ISO 2867 : 2011 Reviewed In : 2022 ISO 2867 : 2011	Earth - Moving machinery - Access systems	March, 2022	-	Identical under single numbering
137	IS/ISO 3411:2007 ISO 3411 : 2007 ISO 3411:2007	Earth - Moving machinery - Physical dimensions of operators and minimum operator space envelope		-	Identical under single numbering
138	IS/ISO 3449:2005 Reviewed In : 2022 ISO 3449 : 2005	Earth - Moving machinery - Falling - Object protective structures - Laboratory tests and performance requirements	October, 2022	-	Identical under single numbering
139	IS/ISO 3457:2003 ISO 3457 : 2003 Reviewed In : 2024 ISO 3457 : 2003	Earth - Moving machinery - Guards - Definitions and requirements	March, 2024	-	Identical under single numbering
140	IS/ISO3471 3471:2008 ISO 3471 : 2008 Reviewed In : 2022 ISO 3471 : 2008	Earth-Moving Machinery - Roll-Over Protective Structures- Laboratory Tests and Performance Requirements	March, 2022	-	Identical under single numbering
141	IS/ISO 3795:1989 ISO 3795 : 1989 Reviewed In : 2022 ISO 3795:1989	Road Vehicles and Tractors and Machinery for Agriculture and Forestry - Determination of Burning Behaviour of Interior Materials	November, 2022	-	Identical under single numbering
142	IS 4184:2023	Steel Wheelbarrows (with Two Wheels) - Specification (First Revision)		-	Indigenous
143	IS/ISO 4250-3:2020 Reviewed In : 2025	Earth mover tyres and rims- Part 3: Rims Adoption of ISO 4250 Part 3:2020 First Revision	January, 2025	-	Indigenous
144	IS 4616:1968 Reviewed In : 2025 Decision taken to Reaffirm and Archive	Specification for sheepsfoot roller	January, 2025	-	Indigenous
145	IS/ISO 4871:1996 ISO 4871 : 1996 Reviewed In : 2022 ISO 4871:1996	Acoustics - Declaration and Verification of Noise Emission Values of Machinery and Equipment	November, 2022	-	Identical under single numbering
146	IS/ISO5006 5006:2017 ISO 5006 : 2017 Reviewed In : 2023 ISO5006 : 2006	Earth-Moving Machinery - Operators Field of View - Test Method and Performance Criteria (First Revision)	February, 2023	-	Identical under single numbering
147	IS/ISO 5010:2019 ISO 5010 : 2019 Reviewed In : 2023	Earth-Moving Machinery - Wheeled Machines Steering Requirements (first revision)	September, 2023	-	Identical under single numbering

	ISO 5010:2019				
148	IS 5324:2023	Hand-Operated Stillage Truck - Lifting Truck (Hand Elevating) - Specification (Third Revision)		-	Indigenous
149	IS 5387:2022	DIMENSIONS FOR STILLAGES (First revision)		-	Indigenous
150	IS 5500 (Part 1):2004 Reviewed In : 2020	Vibratory roller - General requirements: Part 1 self - Propelled tandem drum (Second Revision)	May, 2020	1	Indigenous
151	IS 5500 (Part 2):2004 Reviewed In : 2020	Vibratory roller - General requirements: Part 2 self - Propelled single drum (Third Revision)	May, 2020	-	Indigenous
152	IS 5501:2021	Specification for Pneumatic Tyred Roller (first revision)		-	Indigenous
153	IS 5502:2023	SMOOTH-WHEELED DIESEL ROAD ROLLER - GENERAL REQUIREMENTS Third Revision		-	Indigenous
154	IS 5972:2022	GLOSSARY OF PNEUMATIC AND HYDRAULIC CONVEYING TERMS AND DEFINITIONS First revision of IS 5972		-	Indigenous
155	IS/ISO 6011:2003 ISO 6011 : 2003 Reviewed In : 2022 ISO 6011 : 2003	Earth - Moving machinery - Visual display of machine operation	March, 2022	-	Identical under single numbering
156	IS/ISO 6014:1986 ISO 6014 : 1986 Reviewed In : 2022 ISO 6014 : 1986	Earth - Moving machinery - Determination of ground speed	November, 2022	-	Identical under single numbering
157	IS/ISO 6016:2008 ISO 6016:2008 ISO 6016:2008	Earth-Moving Machinery – Methods of Measuring the Masses of Whole Machines, their Equipment and Components		-	Identical under single numbering
158	IS/ISO 6393:2008 ISO 6393 : 2008 Reviewed In : 2023 ISO 6393 : 2008	Earth - Moving machinery - Determination of sound power level - Stationary test conditions	March, 2023	-	Identical under single numbering
159	IS/ISO 6394:2008 ISO 6394 : 2008 Reviewed In : 2023 ISO 6394 : 2008	Earth Moving Machinery- Determination of Emission Sound Pressure Level at Operator's Position- Stationary Test Conditions	March, 2023	-	Identical under single numbering
160	IS/ISO 6395:2008 ISO 6395 : 2008 Reviewed In : 2022 ISO 6395 : 2008	Earth - Moving machinery - Determination of sound power level - Dynamic test conditions	March, 2022	-	Identical under single numbering
161	IS/ISO 6396:2008 ISO 6396 : 2008 Reviewed In : 2022 ISO 6396 : 2008	Earth-Moving Machinery - Determination of Emission Sound Pressure Level at Operator's Position - Dynamic Test Conditions	March, 2022	-	Identical under single numbering
162	IS/ISO 6405-1:2017 ISO 6405-1 : 2017 Reviewed In : 2022 ISO 6405-1:2017	Earth - Moving machinery symbols for operator controls and other displays: Part 1 common symbols (First Revision)	March, 2022	-	Identical under single numbering
163	IS/ISO 6405-2:2017	Earth - Moving machinery -	March, 2022	-	Identical under single

	ISO 6405-2 : 2017 Reviewed In : 2022 ISO 6405-2:2017	Symbols for operator controls and other displays: Part 2 symbols for specific machines, equipment and accessories (First Revision)			numbering
164	IS/ISO 6683:2005 ISO 6683 : 2005 ISO 6683:2005	Earth-Moving Machinery - Seat Belts and Seat Belt Anchorages - Performance Requirements and Tests		-	Identical under single numbering
165	IS/ISO 6747:2013 ISO 6747 : 2013 Reviewed In : 2023 ISO 6747 : 2013	Earth - Moving machinery, tractor - Dozers, terminology and commercial specification	January, 2023	-	Identical under single numbering
166	IS/ISO 6750-1:2019 ISO 6750-1 : 2019 Reviewed In : 2023 ISO 6750-1:2019	Earth-Moving Machinery - Operator's manual Part 1 Contents and Format (first revision)	September, 2023	-	Identical under single numbering
167	IS 6839 (Part 2):2022	GLOSSARY OF TERMS RELATING TO NON-POWERED MATERIALS HANDLING EQUIPMENT PART 2 HANDTRUCKS AND TROLLEYS First Revision		-	Indigenous
168	IS/ISO 7096:2020 ISO 7096 : 2020 Reviewed In : 2025 7096:2020	Earth-Moving Machinery — Laboratory Evaluation of Operator Seat Vibration (First Revision)	January, 2025	-	Identical under single numbering
169	IS/ISO 7130:2013 Reviewed In : 2022 N/A	Earth-Moving Machinery - Operator Training - Content and Methods	March, 2022	-	Identical under single numbering
170	IS/ISO 7131:2009 ISO 7131 : 2009 Reviewed In : 2022 ISO 7131 : 2009	Earth - Moving machinery - Loaders - Terminology and commercial specifications (First Revision)	March, 2022	-	Identical under single numbering
171	IS/ISO 7133:2013 ISO 7133 : 2013 Reviewed In : 2022 ISO 7133 : 2013	Earth - Moving machinery - Scrapers - Terminology and commercial specifications (First Revision)	March, 2022	-	Identical under single numbering
172	IS/ISO 7134-1993:2013 ISO 7134 : 2013 Reviewed In : 2022 ISO 7134 : 2013	Earth - Moving machinery - Graders - Terminology and commercial - Specifications (First Revision)	March, 2022	-	Identical under single numbering
173	IS/ISO 7135:2009 ISO 7135 : 2009 Reviewed In : 2025 ISO 7135 : 2009	Earth - Moving machinery - Hydraulic excavators - Terminology and commercial specifications	January, 2025	-	Identical under single numbering
174	IS/ISO 7451:2007 Reviewed In : 2023 ISO 7451 : 2007	Earth - Moving machinery - Volumetric ratings for hoe - Type and grab - Type buckets of hydraulic excavators and backhoe loaders	March, 2023	-	Identical under single numbering
175	IS/ISO 7457:1997 ISO 7457 : 1997 Reviewed In : 2022 ISO 7457 : 1997	Earth - Moving machinery - Determination of turning dimensions of wheeled machines	November, 2022	-	Identical under single numbering
176	IS 8015:2023	Hand Trolley for Oil Drums - Specification (Second Revision)		-	Indigenous
177	IS 8016:2023	Hand Trolley for Gas Cylinders		-	Indigenous

		(Oxygen and Dissolved Acetylene) for Industrial use - Specification (First Revision)			
178	IS 8049:2023	Platform Trucks - Specification (Third Revision)		-	Indigenous
179	IS/ISO 8643:2017 ISO 8643 : 2017 ISO 8643:2017	Earth - Moving machinery - Hydraulic excavator and backhoe loader boom lowering control device - Requirements and tests (First Revision)	-	-	Identical under single numbering
180	IS 8647:2023	Design Criteria for Pneumatic Conveying Systems (First Revision)		-	Indigenous
181	IS/ISO 8811:2000 ISO 8811 : 2000 Reviewed In : 2024 ISO 8811:2000	Earth - Moving machinery - Rollers and compactors - Terminology and commercial specification	March, 2024	-	Identical under single numbering
182	IS/ISO 9244:2008 ISO 9244 : 2008 Reviewed In : 2022 ISO 9244 : 2008	Earth - Moving machinery - Machine safety labels - General principles	March, 2022	-	Identical under single numbering
183	IS/ISO 9248:1992 Reviewed In : 2022 ISO 9248 : 1992	Earth - Moving machinery - Units for dimensions, performance and capacities, and their measurement accuracies	November, 2022	-	Identical under single numbering
184	IS/ISO 9249:2007 ISO 9249 : 2007 Reviewed In : 2023 ISO 9249 : 2007	Earth - Moving machinery - Engine test code - Net power	March, 2023	-	Identical under single numbering
185	IS/ISO 9533:2010 ISO 9533 : 2010 Reviewed In : 2022 ISO 9533 : 2010	Earth - Moving machinery - Machine Mounted audible travel alarms and forward horns - Test methods and performance criteria	March, 2022	-	Identical under single numbering
186	IS 9776:2023	DATA SHEET FOR SELECTION OF WEIGHING-CUM- TIPPINGBAG FILLING MACHINES FOR BULK HANDLING (First Revision)		-	Indigenous
187	IS 9777:2023	DATA SHEET FOR SELECTION OF WEIGH-BRIDGES FOR BULK HANDLING EQUIPMENT (First Revision)		-	Indigenous

Standards under Development

Projects Approved

SI. No.	Doc No.	Title
No Records Found		

Preliminary Draft Standards

SI. No.	Doc No.	Title
1	MED 7 (27186)	EARTH-MOVING MACHINERY PRODUCT IDENTIFICATION NUMBERING SYSTEM
2	MED 7 (27187)	EARTH-MOVING MACHINERY - TIP-OVER PROTECTION STRUCTURE TOPS FOR COMPACT EXCAVATORS - LABORATORY TESTS AND PERFORMANCE REQUIREMENTS
3	MED 7 (27188)	EARTH-MOVING MACHINERY HYDRAULIC BREAKERS TERMINOLOGY AND

		COMMERCIAL SPECIFICATIONS
4	MED 7 (27199)	EARTH-MOVING MACHINERY OPERATORS MANUAL PART 2 LIST OF REFERENCES

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

Draft Standards Completed WC Stage		
Sl. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standard		
Sl. No.	Doc No.	Title
No Records Found		

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

Total Published Standards:174 Total Standards Under development:4		
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Aspect Wise Report

Product : 79

Code of Practices : 16

Methods of Test : 24

Terminology : 14

Dimensions : 9

System Standard : 1

Safety Standard : 8

Others : 30

Service Specification : 0

Process Specification : 2

Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded		
Sl. No.	IS No. & Year	Title
1	IS 10280:1993	Earth-moving machinery - Operation and maintenance - Format and content of manuals
2	IS 10704:1999	Earth-Moving Machinery - Access Systems
3	IS 11114 (Part 1):1993	Mobile equipment for continuous handling of bulk mateirals Part 1 Rules for the design of steel structures
4	IS 11114 (Part 4):1993 ISO 7131	Earth-moving Machinery - Definitions of Dimensions and Symbols - Part 4 Loaders - Terminology and Commercial Specifications
5	IS 11115:1999 ISO 3411 Reviewed In : 2018	Earth-Moving Machinery - Human Physical Dimensions of Operators and Minimum Operator Space Envelope
6	IS 12138:1993 ISO 6175 Reviewed In : 2009	Earth-moving machinery - Basic types - Vocabulary
7	IS 12192:1993	Earth-moving Machinery - Hydraulic Excavators - Hoe Type Buckets - Volumetric Ratings

	ISO 7451 Reviewed In : 2009	
8	IS 12209:1993 ISO 7130 Reviewed In : 2018 ISO 7130:1981	Earth - Moving machinery - Guide to procedure for operator training First Revision
9	IS 12509:1988 Reviewed In : 2020 ANSI IEEE 309	Earth - Moving machinery - Lighting signaling and marking lights and reflex - Reflector devices
10	IS 13116:2006 ISO 9249 Reviewed In : 2022 ISO 9249:1997	Earth - Moving machinery - Engine test code - Net power Second Revision
11	IS 13769:1993	Earth moving machinery - Falling-object protective structures - Laboratory tests and performance requirements
12	IS/ISO 20474-1:2008 Reviewed In : 2018	Earth Moving Machinery Safety Part 1 General Requirements
13	IS/ISO 20474-2:2008 ISO 20474_2 :2008 Reviewed In : 2018 ISO 20474_2 :2008	Earth-Moving Machinery Safety Part 2 Requirements for Tractor-Dozers
14	IS/ISO 20474-3:2008 ISO 20474_3 :2008 Reviewed In : 2018 ISO 20474_3 :2008	Earth-Moving Machinery Safety Part 3 Requirements for Loaders
15	IS/ISO 20474-4:2008 ISO 20474 : PART 4 : 2008 Reviewed In : 2018 ISO 20474 : PART 4 : 2008	Earth-moving Machinery safety--Part 4 Requirements For Backhoe Loaders
16	IS/ISO 20474-5:2008 ISO 20474_5 :2008 Reviewed In : 2018 ISO 20474_5 :2008	Earth-Moving Machinery Safety Part 5 Requirements for Hydraulic Excavators
17	IS/ISO 20474-6:2008 ISO 20474_6 :2008 Reviewed In : 2018 ISO 20474_6 :2008	Earth-Moving Machinery Safety Part 6 Requirements for Dumpers
18	IS/ISO 20474-7:2008 ISO 20474-7 : 2008 Reviewed In : 2014 ISO 20474-7 : 2008	Earth-Moving Machinery - Safety Part 7 Requirements for Scrapers
19	IS/ISO 20474-8:2008 ISO 20474-8 : 2008 Reviewed In : 2017 N/A	Earth-Moving Machinery - Safety Part 8 Requirements for Graders
20	IS/ISO 20474-9:2008 ISO 20474-9 : 2008 Reviewed In : 2014 ISO 20474-9 : 2008	Earth-Moving Machinery - Safety Part 9 Requirements for Pipelayers
21	IS/ISO 20474-10:2008 ISO 20474-10 : 2008 Reviewed In : 2015 ISO 20474-10 : 2008	Earth-Moving Machinery - Safety Part 10 Requirements for Trenchers
22	IS/ISO 20474-11:2008 ISO 20474-11 : 2007 Reviewed In : 2015 N/A	Earth-Moving Machinery - Safety Part 11 Requirements for Earth and Landfill Compactors
23	IS/ISO 20474-12:2008 ISO 20474-12 : 2008 Reviewed In : 2015 ISO 20474-12 : 2008	Earth-Moving Machinery - Safety Part 12 Requirements for Cable Excavators

24	IS/ISO 20474-13:2008 ISO 20474-13 : 2008 Reviewed In : 2015 ISO 20474-13 : 2008	Earth-moving Machinery - Safety Part 13 Requirements for Rollers
25	IS 4988 (Part 1):1969	Glossary of terms and classification of earth moving machinery Part 1 General terms
26	IS 4988 (Part 2):1968 Reviewed In : 2012	Glossary of terms and classification of earth moving machinery Part 2 Dozers
27	IS 4988 (Part 3):1968 Reviewed In : 2012	Glossary of terms and classification of earth moving machinery Part 3 Motor and towed scrapers
28	IS 4988 (Part 4):1968 Reviewed In : 2022	Glossary of terms and classification of earth moving machinery Part 4 excavators
29	IS 4988 (Part 5):1968 Reviewed In : 2012	Glossary of terms and classification of earth moving machinery Part 5 Motor graders
30	IS 5007:1988	Dimensions for hand pallet trucks
31	IS/ISO 509:1996 Reviewed In : 2013	Hand pallet trucks - Dimensions
32	IS 5769:1981 Reviewed In : 1992	Coal cutting tools mushroom V-faced tungsten carbide tipped
33	IS 5770:1982 Reviewed In : 1992	Coal cutting tools mushroom flat-faced tungsten carbide tipped
34	IS 5772:1982 Reviewed In : 1992	Coal cutting tools parrot-beak flat faced tungsten carbide tipped
35	IS 5773:1970 Reviewed In : 1990	Coal cutting tools straight bar V and FV-faced tungsten carbide tipped
36	IS 5774:1970 Reviewed In : 1990	Coal cutting tools straight bar core breaker
37	IS 5775:1970 Reviewed In : 1990	Coal cutting tools radial flat faced tungsten carbide tipped
38	IS 5854:1970 Reviewed In : 1990	Coal cutting tools radial V and FV-faced tungsten carbide tipped
39	IS 5855:1982 Reviewed In : 1992	Coal cutting tools parrot-beak V and FV-faced tungsten carbide tipped
40	IS/ISO 6165:2012 ISO 6165 : 2012 Reviewed In : 2022 ISO 6165 : 2012	Earth - Moving machinery - Basic types - Identification and terms and definitions
41	IS/ISO 6750:2005 Reviewed In : 2018 ISO 6750 : 2005	Earth-moving machinery - operator s manual - Content and format
42	IS 6839 (Part 1):1994 ISO 2163 Reviewed In : 2007	Glossary of terms relating to non-powered materials handling equipment Part 1 Castors and wheels
43	IS 7261:1985	Dimensions of top-plates for castors
44	IS 7369:1983 Reviewed In : 2022	Specification for wheels and castors First Revision

Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS 10223:2023 ISO 15213-3 : 2024	General Requirements for Tow-castor System for Transportation of Freight Containers First Revision
2	IS/ISO 10263-4:2009 ISO 10263-4 : 2009 Reviewed In : 2023 ISO 10263-4:2009	Earth - Moving machinery - Operator enclosure environment Part 4 heating ventilating and air conditioning HVAC test method and performance
3	IS/ISO 10265:2008	Earth - Moving machinery - Crawler machines - Performance requirements and test procedures

	ISO 10265 : 2008 Reviewed In : 2022 ISO 10265 : 2008	for braking systems
4	IS 10303:1993 ISO 6749 Reviewed In : 2024 Decision taken to Reaffirm and Archive ISO 6749:1984	Earth moving machinery - Preservation and storage First Revision
5	IS 10506:1996 Reviewed In : 2025 Decision taken to Reaffirm and Archive	Trolley for carrying jute bales - Specification First Revision
6	IS 10525:2022 ISO 8000-130 : 2016	SPECIFICATION FOR GENERAL PURPOSE DRINKING WATER TROLLEY First Revision of IS 10525
7	IS/ISO 10532:1995 ISO 10532 : 1995 Reviewed In : 2022 ISO 10532 : 1995	Earth - Moving machinery - Machine - Mounted retrieval device - Performance equirements
8	IS/ISO 10533:1993 ISO 10533 : 1993 Reviewed In : 2022 ISO 10533 : 1993	Earth - Moving machinery - Lift - Arm support devices
9	IS 10856:1993 ISO6484 Reviewed In : 2022 ISO 6484:1986	Earth - Moving machinery - Elevating scrapers - Volumetric ratings First Revision
10	IS 10859:1993 ISO 6483 Reviewed In : 2023 ISO 6483:1980	Earth - Moving machinery - Dumper bodies - Volumetric ratings First Revision
11	IS 11113:1999 ISO 5353 Reviewed In : 2022 ISO 5353:1995	Earth-moving machinery and tractors and machinery for agriculture and forestry - Seat index point second revision
12	IS 11252:1993 ISO 6682 Reviewed In : 2022 ISO 6682:1986	Earth - Moving machinery - Zones of comfort and reach for controls First Revision
13	IS 11496:1985 Reviewed In : 2025 Decision taken to Reaffirm and Archive	General and performance test requirements of pallet truck and stillage truck
14	IS/ISO 11862:1993 ISO 11862 : 1993 Reviewed In : 2022 ISO 11862:1993	Earth-Moving Machinery - Auxiliary Starting Aid Electrical Connector
15	IS 12137:2025	WAGON PULLER PUSHER - GENERAL REQUIREMENTS First Revision
16	IS 12206:1993 ISO 7546 Reviewed In : 2022 ISO 7546 :1983	Earth - Moving machinery - Loader and front loading excavator buckets - Volumetric ratings First Revision
17	IS 12402 (Part 1):1988 Reviewed In : 2022	Mobile containers for solid waste Part 1 general characteristics
18	IS/ISO 12509:2023 ISO 12509:2023	Earth-Moving Machinery and Rough-Terrain Trucks - Lighting Signalling and Marking Lights and Reflex Reflectors FIRST REVISION
19	IS 12645:1993 ISO 9246	Earth - Moving machinery - Crawler and wheel tractor dozer blades - Volumetric ratings First Revision

	Reviewed In : 2025 ISO 9246:1988	
20	IS 13065:1991 Reviewed In : 2022	Bulk handling equipment - Wagon marshalling equipment - Endless rope type - General requirements
21	IS 13076:1991 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Hand trolley for carrying mail bags - Specification
22	IS 13253:1992 ISO 8925 Reviewed In : 2023 ISO 8925:1989	Earth - Moving machinery - Diagnostic ports
23	IS/ISO 13766-1:2018 ISO 13766-1 : 2018 Reviewed In : 2025 ISO 13766 -1:201	Earth-Moving and Building Construction Machinery - Electromagnetic Compatibility EMC of Machines with Internal Electrical Power Supply Part 1 General EMC Requirements Under Typical Electromagnetic Environmental Conditions
24	IS 13811:2023	Air Cargo Bulk Trolley - Specification First Revision
25	IS 13936:1994 Reviewed In : 2023	Bulk handling equipment - Wheeled loaders - General requirements
26	IS 13951:1994 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Heavy item lift platform for aircraft airport operations - General requirements
27	IS 13989:1994 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Bulk handling equipment - Bagging machines Mechanical Type - Design and construction - General requirements
28	IS 13992:1994 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Bulk handling equipment - Bagging machines Electronic Type - Design and construction - General requirements
29	IS 14130:2023 ISO 80601-2-72:2023	Hydraulic Lifting Table - Specification First Revision
30	IS 14704:2025	Bulk Handling Equipment Bag Stacker - Cum - Loader Portable Design and Construction General Requirements
31	IS/ISO 14990-2:2016 ISO 14990-2 : 2016 ISO 14990-2:2016	Earth-Moving Machinery - Electrical Safety of Machines Utilizing Electric Drives and Related Components and Systems Part 2 Particular Requirements for Externally-Powered Machines
32	IS/ISO 14990-3:2016 ISO 14990-3 : 2016 ISO 14990-3:2016	Earth-Moving Machinery - Electrical Safety of Machines Utilizing Electric Drives and Related Components and Systems Part 3 Particular Requirements for Self-Powered Machines
33	IS 15367 (Part 1):2003 Reviewed In : 2023	Bulk handling equipment - Stacker Rail Mounted Part 1 general requirements
34	IS/ISO 15818:2017 53.100 ISO 15818:2017	Earth-Moving Machinery - Lifting and Tying-Down Attachment Points - Performance Requirements
35	IS/ISO 16001:2017 ISO 16001 : 2017 ISO 16001:2017	Earth-Moving Machinery - Object Detection Systems and Visibility Aids - Performance Requirements and Tests
36	IS 16479:2020 Reviewed In : 2025 ISO 3450:2011	Performance Requirements and Test Procedures of Braking Systems for Wheeled or High-Speed Rubber Tracked Earth Moving Machines and Construction Equipment Vehicles First Revision
37	IS 16480:2018 Reviewed In : 2023 iso 5010:2007	Earth moving machinery - Rubber tyred machines - Steering requirements
38	IS 17055 (Part 1):2019	Earth-Moving Machinery - Safety Part 1 General Requirements

	ISO 20474-2 : 2017 Reviewed In : 2024	
39	IS 17055 (Part 2):2020 Reviewed In : 2025 ISO 20474-2	Earth-Moving Machinery - Safety Part 2 Requirements for Tractor Dozers second revision
40	IS 17055 (Part 3):2018 Reviewed In : 2023 20474 Part 3 :2017	Earth - Moving machinery - Safety Part 3 requirements for loaders
41	IS 17055 (Part 4):2020 Reviewed In : 2025 ISO 20474-4	Earth-Moving Machinery Safety Part 4 Requirements for Backhoe Loaders Second Revision
42	IS 17055 (Part 5):2018 Reviewed In : 2023 ISO 20474 Part 5:201	Earth - Moving machinery - Safety Part 5 requirements for hydraulic excavators
43	IS 17055 (Part 6):2021 ISO 1842:1991	Earth - Moving Machinery - Safety Part 6 Requirements for Dumpers Second Revision
44	IS 17055 (Part 7):2020 Reviewed In : 2025 ISO 20474-7	Earth-Moving Machinery Safety Part 7 Requirements for Scrapers Second Revision
45	IS 17055 (Part 8):2020 Reviewed In : 2025 ISO 20474-8	Earth-Moving Machinery Safety Part 8 Requirements For Graders Second Revision
46	IS 17055 (Part 9):2020 Reviewed In : 2025 ISO 20474-9	Earth-Moving Machinery Safety Part 9 Requirements for Pipelayers Second Revision
47	IS 17055 (Part 10):2020 Reviewed In : 2025 ISO 20474-10	Earth-Moving Machinery Safety Part 10 Requirements for Trenchers Second Revision
48	IS 17055 (Part 11):2020 Reviewed In : 2027 ISO 20474-11	Earth-Moving Machinery Safety Part 11 Requirements for Earth and Landfill Compactors Second Revision
49	IS 17055 (Part 12):2020 Reviewed In : 2025 ISO 20474-12	Earth-Moving Machinery Safety Part 12 Requirements for Cable Excavators Second Revision
50	IS 17055 (Part 13):2020 Reviewed In : 2025 ISO 20474-13	Earth-Moving Machinery Safety Part 13 Requirements for Rollers Second Revision
51	IS 17055 (Part 15):2020 ISO 20474-15 : 2019 Reviewed In : 2025 iso 20474-15	Earth-Moving Machinery Safety Part 15 Requirements for Compact Tool Carriers
52	IS 17523:2021 ISO 22879 : 2016 22879	Castors and Wheels - Requirements for Castors for Furniture
53	IS 17524:2021 ISO 22880 : 2016 22880	Castors and Wheels - Requirements for Castors for Swivel Chairs

54	IS/ISO 21507:2010 ISO 21507 : 2010 Reviewed In : 2023 ISO 21507 : 2010	Earth - Moving machinery - Performance requirements for non - Metallic fuel tanks
55	IS/ISO 22883:2004 Reviewed In : 2023 ISO 22883 : 2004	Castors and wheels - Requirements for applications upto 1 1 m s 4 Km h
56	IS/ISO 22884:2004 Reviewed In : 2023 ISO 22884 : 2004	Castors and wheels - Requirements for applications over 1 1 m s 4 Km h and up to 4 4 m s 16 Km h
57	IS 2431:2022 ISO 10944:2009	Specification for steel wheelbarrows single-wheel type first revision
58	IS/ISO 2867:2011 ISO 2867 : 2011 Reviewed In : 2022 ISO 2867 : 2011	Earth - Moving machinery - Access systems
59	IS/ISO 3411:2007 ISO 3411 : 2007 ISO 3411:2007	Earth - Moving machinery - Physical dimensions of operators and minimum operator space envelope
60	IS/ISO 3449:2005 Reviewed In : 2022 ISO 3449 : 2005	Earth - Moving machinery - Falling - Object protective structures - Laboratory tests and performance requirements
61	IS/ISO 3457:2003 ISO 3457 : 2003 Reviewed In : 2024 ISO 3457 : 2003	Earth - Moving machinery - Guards - Definitions and requirements
62	IS/ISO 3471:2008 ISO 3471 : 2008 Reviewed In : 2022 ISO 3471 : 2008	Earth-Moving Machinery - Roll-Over Protective Structures-Laboratory Tests and Performance Requirements
63	IS/ISO 3795:1989 ISO 3795 : 1989 Reviewed In : 2022 ISO 3795:1989	Road Vehicles and Tractors and Machinery for Agriculture and Forestry - Determination of Burning Behaviour of Interior Materials
64	IS 4184:2023	Steel Wheelbarrows with Two Wheels - Specification First Revision
65	IS 4616:1968 Reviewed In : 2025 Decision taken to Reaffirm and Archive	Specification for sheepsfoot roller
66	IS/ISO 5006:2017 ISO 5006 : 2017 Reviewed In : 2023 ISO 5006 : 2006	Earth-Moving Machinery - Operators Field of View - Test Method and Performance Criteria First Revision
67	IS/ISO 5010:2019 ISO 5010 : 2019 Reviewed In : 2023 ISO 5010:2019	Earth-Moving Machinery - Wheeled Machines Steering Requirements first revision
68	IS 5324:2023	Hand-Operated Stillage Truck - Lifting Truck Hand Elevating - Specification Third Revision
69	IS 5500 (Part 1):2004 Reviewed In : 2020	Vibratory roller - General requirements Part 1 self - Propelled tandem drum Second Revision
70	IS 5500 (Part 2):2004 Reviewed In : 2020	Vibratory roller - General requirements Part 2 self - Propelled single drum Third Revision
71	IS 5501:2021 ISO 10524-1 : 2018	Specification for Pneumatic Tyred Roller first revision
72	IS 5502:2023 ISO 16048 : 2003	SMOOTH-WHEELED DIESEL ROAD ROLLER - GENERAL REQUIREMENTS Third Revision
73	IS/ISO 6683:2005	Earth-Moving Machinery - Seat Belts and Seat Belt Anchorages - Performance Requirements and

	ISO 6683 : 2005 ISO 6683:2005	Tests
74	IS/ISO 7451:2007 Reviewed In : 2023 ISO 7451 : 2007	Earth - Moving machinery - Volumetric ratings for hoe - Type and grab - Type buckets of hydraulic excavators and backhoe loaders
75	IS 8015:2023	Hand Trolley for Oil Drums - Specification Second Revision
76	IS 8016:2023	Hand Trolley for Gas Cylinders Oxygen and Dissolved Acetylene for Industrial use - Specification First Revision
77	IS 8049:2023 ISO 19694 (Part 1): 2021	Platform Trucks - Specification Third Revision
78	IS/ISO 8643:2017 ISO 8643 : 2017 ISO 8643:2017	Earth - Moving machinery - Hydraulic excavator and backhoe loader boom lowering control device - Requirements and tests First Revision
79	IS/ISO 9249:2007 ISO 9249 : 2007 Reviewed In : 2023 ISO 9249 : 2007	Earth - Moving machinery - Engine test code - Net power