BUREAU OF INDIAN STANDARDS

Program of Work

MED 18 : Construction Plant And Machinery

Published Standards

- Scope: a)Formulation of standards for construction plant and machinery used in the field of civil engineering. b)Co-ordination of work with ISO/TC 195 [Building construction machinery and equipment], ISO/TC 195/SC 1 [Machinery and equipment for concrete work], ISO TC 195/SC 2 [Road operation machinery and associated equipment] and ISO TC 195/SC 3 [Drilling and foundation machinery and equipment].
- Liaison: TC-195 (P): Building construction machinery and equipment TC-195 SC-1 (P): Machinery and equipment for concrete work TC-195 SC-2 (P): Road operation machinery and associated equipment ISO TC-195 SC-3 (P): Drilling and foundation machinery and equipment

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S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS/ISO 11375 : 1998	BUILDING CONSTRUCTION		-	Identical under single
	ISO 11375 : 1998	MACHINERY AND			numbering
	ISO 11375 : 1998	EQUIPMENT - TERMS AND			
		DEFINITIONS (Adoption of ISO			
		11375)			
2	IS 11389 : 2023	METHOD FOR TESTING		-	Indigenous
		PERFORMANCE OF			
		IMMERSION TYPE CONCRETE			
		VIBRATORS First Revision			
3	IS 12466 : 2012	Builders Hoist - General	March, 2022	-	Indigenous
	Reviewed In : 2022	Requirements			
4	IS 12468 : 2023	IMMERSION VIBRATORS FOR		-	Indigenous
		MASS CONCRETING			
		GENERAL REQUIREMENTS			
		First Revision of IS 12468			
5	IS/ISO 13105-1 :	Building construction machinery	September, 2019	-	Identical under single
	2014	and equipment - Machinery for			numbering
	ISO 13105-1 : 2014	8			
	Reviewed In : 2019	finishing: Part 1 terms and			
	ISO 13105-1:2014	commercial specifications			
6	IS/ISO 13105-2 :	Building Construction Machinery	March, 2023	-	Identical under dual
	2014	and Equipment- MAchinery for			numbering
	ISO 13105-2 : 2014	8			
	Reviewed In : 2023	Finishing Part 2 Safety			
7	ISO 13105-2 : 2014	1	March 2022		Indianana
7	IS 13291 : 2012 Reviewed In : 2022	Concrete block making machines - General requirements (First	March, 2022	-	Indigenous
	Kevieweu III : 2022	Revision)			
8	IS 13404 : 2012	Power trowel - General	March, 2022		Indigenous
0	Reviewed In : 2022	requirements (First Revision)	Wiaten, 2022	-	murgenous
9	IS 14362 : 2023	PILE BORING EQUIPMENT			Indigenous
	10 17502 , 2025	GENERAL REQUIREMENTS			margenous
		SERVERAL REQUIREMENTS			

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	l	(First Revision)		1	
10	IS/ISO 15642 : 2003	Road construction and maintenance	January, 2019	-	Identical under single
	Reviewed In: 2019	equipment - Asphalt mixing plants			numbering
	ISO 15642 : 2003	- Rminology and commercial			
		specifications			
11	IS/ISO 15643 : 2020	ROAD CONSTRUCTION AND		-	Identical under single
	ISO 15643 : 2020	MAINTENANCE EQUIPMENT -			numbering
	ISO 15643 : 2020	BITUMINOUS BINDER			E E
		SPRAYERS AND			
		SYNCHRONOUS BITUMINOUS			
		BINDER SPRAYERS-CHIP			
		SPREADERS �			
		TERMINOLOGY AND			
		COMMERCIAL			
		SPECIFICATIONS			
12	IS/ISO 15645 : 2018			_	Identical under single
12	ISO 15645: 2018	MAINTENANCE EQUIPMENT			numbering
	ISO 15645: 2018	ii, ¹ / ₂ ROAD MILLING			numbering
	150 150+5. 2010	MACHINERY �			
		TERMINOLOGY AND			
		COMMERCIAL			
		SPECIFICATIONS (Adoption of			
		ISO 15645)			
13	IS/ISO 15688 : 2012	/			Identical under single
15	ISO 15688: 2012	MAINTENANCE EQUIPMENT ?		-	numbering
	ISO 15688: 2012 ISO 15688: 2012	SOIL STABILIZERS ?			numbering
	150 15086. 2012	TERMINOLOGY AND			
		COMMERCIAL			
		SPECIFICATIONS (Adoption of ISO 15688)			
14	IS/ISO 15878 : 2008	· · · · · · · · · · · · · · · · · · ·			Identical under single
14	ISO 15878 : 2008	Maintenance Equipment - Asphalt		-	numbering
	15878:2008	Pavers - Terminology and			numbering
	13070.2000	Commercial Specifications			
15	IS 15047 (Part 1) ·	Concrete Delivery Pipeline Part 1			Indigenous
15	2020	Specification (First Revision)	-	-	mulgenous
	2020	Specification (First Revision)			
16	IS 15947 (Part 2) :	Concrete delivery pipelines: Part 2	March, 2022	1	Indigenous
10	2012	general requirements for pipeline	Waren, 2022	1	murgenous
	Reviewed In : 2022	accessories			
17		Road construction and maintenance	January, 2019		Identical under single
1/	15/150 10039 . 2004	equipment - Slipform pavers -	January, 2019	-	numbering
	Deviewed In , 2010	Definitions and commercial			numbering
	Reviewed In : 2019				
18	ISO 16039:2004 IS 16730 (Part 1) :	specifications	March, 2023		Identical under dual
18		Building contruction machinery	March, 2025	-	
	2018	and equipment - Concrete pumps:			numbering
	Decision 11. 0002	Part 1 terminology and commercial			
	Reviewed In : 2023	specifications			
10	ISO 21573-1 : 2014				T 1'
19	IS 1791 : 2020	General Requirements for Batch		-	Indigenous
		Type Concrete Mixers (Third			
00		Revision)			
20	IS/ISO 18650-1 :	BUILDING CONSTRUCTION		-	Identical under single
	2021	MACHINERY AND			numbering
	ISO 18650-1:2021	EQUIPMENT CONCRETE			
	ISO 18650-1:2021	MIXERS PART 1:			
		COMMERCIAL		1	
		SPECIFICATIONS			

21	IS/ISO 18650-2 : 2014 ISO 18650-2 : 2014 Reviewed In : 2019 ISO 18650 : Part 2 : 2014	Building construction machinery and equipment - Concrete mixers: Part 2 procedure for examination of mixing efficiency	January, 2019	-	Identical under single numbering
22	IS/ISO 18651-1 : 2011 ISO 18651-1:2011 ISO 18651-1:2011	BUILDING CONSTRUCTION MACHINERY AND EQUIPMENT INTERNAL VIBRATORS FOR CONCRETE PART 1: TERMINOLOGY AND COMMERCIAL SPECIFICATIONS		-	Identical under single numbering
23	IS/ISO 18652 : 2005 Reviewed In : 2019 ISO 18652 : 2005	Building construction machinery and equipment - External vibrators for concrete	January, 2019	-	Identical under single numbering
24	IS/ISO 19432-1 : 2020 ISO 19432-1 : 2020 19432-1:2020	Building Construction Machinery and Equipment - Portable, Hand- Held, Internal Combustion Engine- Driven Abrasive Cutting Machines Part 1 Safety Requirements for Cut- off Machines for Centre-Mounted Rotating Abrasive Wheels (First Revision)		-	Identical under single numbering
25	IS 2094 (Part 1) : 2020	Heaters for Bitumen (Tar) and Emulsion — Specification Part 1 Bitumen Heaters (Third Revision)	-	1	Indigenous
26	IS 2094 (Part 2) : 2020	Heaters for Bitumen (Tar) and Emulsion — Specification Part 2 Bitumen Sprayer (First Revision)		1	Indigenous
27	IS 2094 (Part 3) : 2020 Reviewed In : 2020	Heaters for Bitumen (TAR) and Emulsion — Specification Part 3 Bitumen Heaters (First Revision)	-	1	Indigenous
28	IS/ISO 21573-2 : 2020 ISO 21573-2:2020 ISO 21573-2:2020	BUILDING CONSTRUCTION MACHINERY AND EQUIPMENT CONCRETE PUMPS PART 2: PROCEDURE FOR EXAMINATION OF TECHNICAL PARAMETERS		-	Identical under single numbering
29	IS/ISO 28173-2 : 2019 ISO 21873-2 : 2019 Reviewed In : 2019 21873 : Part 2: 2	Building Construction Machinery and Equipment — Mobile Crushers Part 2 Safety Requirements and Verification (First Revision)	-	-	Identical under single numbering
30	IS/ISO 22242 : 2005 ISO 22242 : 2005 Reviewed In : 2023 ISO 22242:2005	Road construction and road maintenance machinery and equipment - Basic types - Identification and description	March, 2023	-	Identical under single numbering
31	IS 2438 : 2022	SPECIFICATION FOR ROLLER PAN MIXER (First Revision)		-	Indigenous
32	IS 2505 : 2023	Immersion Type Concrete Vibrators � General Requirements (Fourth Revision)		-	Indigenous
33	IS 2506 : 2022	GENERAL REQUIREMENTS FOR CONCRETE VIBRATORS SCREED BOARD TYPE (Second		-	Indigenous

		Revision)			
34	IS 2514 : 2023	CONCRETE VIBRATING		-	Indigenous
		TABLES - SPECIFICATION			
		(FIRST REVISION OF IS 2514)			
35	IS 2722 : 2022	SPECIFICATION FOR		-	Indigenous
		PORTABLE SWING WEIGH			
		BATCHERS FOR CONCRETE			
		SINGLE AND DOUBLE			
		BUCKET TYPE (First Revision)			
36	IS 3066 : 1965	Specification for hot asphalt	March, 2022	1	Indigenous
	Reviewed In : 2022	mixing plants		-	Indigenous
37	IS 3251 (Part 1) :	Asphalt Paver Finisher Part 1		-	Indigenous
	2021	General Requirements (First			
	2021	Revision)			
38	IS 3251 (Part 2) :	Asphalt Paver Finisher —		<u> </u>	Indigenous
50	2021 (1 att 2) :	Specification Part 2 Hydraulic			indigenous
	2021	(Second Revision)			
39	IS 3365 : 2022	Floor Polishing Machines —			Indigenous
59	13 3303 . 2022	Specification (First Revision)		-	margenous
40	IS 3559 : 2018	Pneumatic concrete breakers -	March, 2023		Indigenous
-10	10 3337 . 2010	Specification (First Revision)	waren, 2023	-	murgenous
	Deviewed In . 2022	Specification (First Kevision)			
41	Reviewed In : 2023 IS 3612 : 2023	CRUSHING AND GRINDING		+	Indiaconous
+1				-	Indigenous
		EQUIPMENT CLASSIFICATION AND METHOD FOR			
		MEASURING CAPACITY			
10	19 4102 2022	Second Revision			T I'
42	IS 4183 : 2022	SPECIFICATION FOR METAL		-	Indigenous
		HAND RAMMERS (First			
		Revision)			
43	IS 4254 : 2023	JAW CRUSHERS � GENERAL		-	Indigenous
		REQUIREMENTS (Second			
		Revision)			
44	IS 4255 : 2022	Gyratory and Cone Crushers —		-	Indigenous
		Specification (First Revision)			
45	IS 4925 : 2023	CONCRETE BATCHING AND		-	Indigenous
		MIXING PLANT			
		SPECIFICATION Second			
		Revision			
46	IS 5435 : 1987	General requirements for cold	March, 2022	1	Indigenous
]	Reviewed In : 2022	bituminous macadam mixing plants			
		(First Revision)			
47	IS 5436 : 2023	OIL-FIRED ROTARY DRYERS		-	Indigenous
		FOR HOT MIX ASPHALT AND			
		BITUMINOUS MACADAM			
		PLANTS METHOD OF TEST			
48	IS 5889 : 2024	VIBRATORY PLATE		-	Indigenous
-		COMPACTOR -			
		SPECIFICATION (Second			
		Revision)			
49	IS 5889 : 1994	Vibratory plate compactor -	January, 2019	-	Indigenous
	Reviewed In : 2019	Specification (First Revision)	5unuary, 2017		margenous
50	IS 5890 : 2004	Mobile hot mix asphalt plant, light	May, 2020	_	Indigenous
	Reviewed In : 2020	duty - Requirements (First	wiay, 2020	-	murgenous
۱	. 2020 III . 2020	Revision)			
51	10 5001 - 0000	,			Ta di accore
51	IS 5891 : 2022	Hand-Operated Mortar/Concrete		-	Indigenous
		Mixer — Specification (First			
50	10 5000 000 1	Revision)	N 2020		T 11
52	IS 5892 : 2004	Concrete transit mixers -	May, 2020	-	Indigenous

	Reviewed In : 2020	Specification (First Revision)			
53	IS/ISO 6085 : 2023	BUILDING CONSTRUCTION		-	Identical under single
	ISO 6085 : 2023	MACHINERY AND			numbering
	ISO 6085 : 2023	EQUIPMENT ? SELF-LOADING			
		MOBILE CONCRETE MIXERS ?			
		SAFETY REQUIREMENTS AND			
		VERIFICATION (Adoption of			
		ISO 6085)			
54	IS 6426 : 2023	PILE DRIVING HAMMER		-	Indigenous
		SPECIFICATION First Revision			
		of IS 6426			
55	IS 6427 : 2023	GLOSSARY OF TERMS		-	Indigenous
		RELATING TO PILE DRIVING			_
		EQUIPMENT (First Revision of IS			
		6427)			
56	IS 6428 : 2023	PILE FRAME SPECIFICATION (-	Indigenous
		First Revision)			
57	IS 6433 : 2021	Guniting Equipments -		-	Indigenous
		Specification (First Revision)			
58	IS 6923 : 2023	PERFORMANCE OF SCREED		-	Indigenous
		BOARD CONCRETE			
		VIBRATORS-METHOD OF			
		TEST (First Revision of IS 6923)			
59	IS 7242 : 1974	Specification for concrete	March, 2022	-	Indigenous
	Reviewed In : 2022	spreaders			
60	IS 7245 : 1974	Specification for concrete pavers	March, 2022	-	Indigenous
	Reviewed In : 2022				
61	IS 7251 : 1974	Specification for concrete finishers	March, 2022	-	Indigenous
	Reviewed In : 2022				
62	IS 9309 : 2022	SPECIFICATION FOR ROLL		-	Indigenous
		CRUSHER (First Revision)			

Standards under Development

Projects Approved					
SI. No.	SI. No. Doc No. Title				
No Records Found					

Preliminary Draft Standards				
SI. No.	Doc No.	Title		
1	MED 18 (25931) Revision	BUILDING CONSTRUCTION MACHINERY AND EQUIPMENT MACHINERY FOR		
	of: IS/ISO 13105:2014	CONCRETE SURFACE FLOATING AND FINISHING PART 1 COMMERCIAL		
		SPECIFICATIONS First Revision Adoption of ISO 13105-1		

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

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Draft Standards Completed WC Stage					
SI. No.	Doc No.	Title			
1	MED 18 (25609)	Road construction and maintenance equipment - Slipform pavers - Definitions and commercial			
	specifications Amendment - 1				

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

Total Published Standards:56 Total Standards Under development:2

Aspect Wise Report

Product : 46
Code of Practices : 0
Methods of Test: 7
Terminology : 5
Dimensions : 0
System Standard : 1
Safety Standard : 1
Others: 1
Service Specification : 0
Process Specification : 0
Unclassified : 0

	Annexu	re-I :List of Indian Standards Withdrawn/Superseded
SI. No.	IS No. & Year	Title
1	IS 11386 : 1985	Glossary of terms relating to concrete mixers
	Reviewed In : 2020	
2	IS 11391 : 1985	General requirements for single vibratory roller towed type
	Reviewed In : 2003	
3	IS 1520 : 1980	Horizontal centrifugal pumps for clear cold fresh water
4	IS/ISO 19432 : 2012	Building construction machinery and equipment - Portable hand - Held internal combustion engine
	ISO 19432 : 2012	driven cut - Off machines - Safety requirements
	Reviewed In : 2019 ISO	
	19432 : 2012	
5	IS/ISO 21573-1 : 2006	Building Construction Machinery and Equipment - Concrete Pumps
	Reviewed In : 2019	
6	IS 2434 : 1973	Hand-operated drums asphalt mixer
7	IS 2439 : 1963	Metal Hand Rollerls fixed Weight Type
	Reviewed In : 2003	
8	IS 3251 : 1965	Specification for asphalt paver finisher
	Reviewed In : 2017	
9	IS 3366 : 1965	Pan Vibrators
	Reviewed In : 1991	
10	IS 4656 : 1968	Form Vibrators For Concrete
	Reviewed In : 2007	

Annexure-II :List of Indian Product Standards				
SI. No.	IS No. & Year	Title		
1	IS 12466 : 2012	Builders Hoist - General Requirements		
	Reviewed In : 2022			
2	IS 12468 : 2023	IMMERSION VIBRATORS FOR MASS CONCRETING GENERAL REQUIREMENTS First		

		Revision of IS 12468
3	IS/ISO 13105-1 : 2014	Building construction machinery and equipment - Machinery for concrete surface floating and
	ISO 13105-1 : 2014	finishing Part 1 terms and commercial specifications
	Reviewed In : 2019 ISO	
	13105-1:2014	
4	IS 13291 : 2012	Concrete block making machines - General requirements First Revision
	Reviewed In : 2022	
	IS 13404 : 2012	Power trowel - General requirements First Revision
	Reviewed In : 2022	
6	IS 14362 : 2023	PILE BORING EQUIPMENT GENERAL REQUIREMENTS First Revision
7	IS/ISO 15642 : 2003	Road construction and maintenance equipment - Asphalt mixing plants - Rminology and
	Reviewed In : 2019 ISO	commercial specifications
	15642 : 2003	
8	IS/ISO 15643 : 2020	ROAD CONSTRUCTION AND MAINTENANCE EQUIPMENT - BITUMINOUS BINDER
	ISO 15643 : 2020	SPRAYERS AND SYNCHRONOUS BITUMINOUS BINDER SPRAYERS-CHIP SPREADER
		TERMINOLOGY AND COMMERCIAL SPECIFICATIONS
9	IS/ISO 15645 : 2018	ROAD CONSTRUCTION AND MAINTENANCE EQUIPMENT ROAD MILLING
	ISO 15645: 2018	MACHINERY TERMINOLOGY AND COMMERCIAL SPECIFICATIONS Adoption of ISC
		15645
10	IS/ISO 15688 : 2012	ROAD CONSTRUCTION AND MAINTENANCE EQUIPMENT SOIL STABILIZERS
	ISO 15688: 2012	TERMINOLOGY AND COMMERCIAL SPECIFICATIONS Adoption of ISO 15688
11	IS 15947 (Part 1) : 2020	Concrete Delivery Pipeline Part 1 Specification First Revision
12	IS 15947 (Part 2) : 2012	Concrete delivery pipelines Part 2 general requirements for pipeline accessories
12	Reviewed In : 2022	Concrete den very provinces r art 2 general requirements rot province accessories
13	IS/ISO 16039 : 2004	Road construction and maintenance equipment - Slipform pavers - Definitions and commercial
15	10,100 10027 . 2001	specifications
	Reviewed In : 2019 ISO	speen reations
	16039:2004	
14	IS 16730 (Part 1) : 2018	Building contruction machinery and equipment - Concrete pumps Part 1 terminology and
11	10 10/00 (1 ut 1) : 2010	commercial specifications
	Reviewed In : 2023 ISO	
	21573-1:2014	
15	IS 1791 : 2014	General Requirements for Batch Type Concrete Mixers Third Revision
15	15 1771 . 2020	Scholar Requirements for Baten Type Concrete Innerts Third Revision
16	IS/ISO 19432-1 : 2020	Building Construction Machinery and Equipment - Portable Hand-Held Internal Combustion
10	ISO 19432-1 : 2020	Engine-Driven Abrasive Cutting Machines Part 1 Safety Requirements for Cut-off Machines fo
	19432-1:2020	Centre-Mounted Rotating Abrasive Wheels First Revision
17	IS 2094 (Part 1) : 2020	Heaters for Bitumen Tar and Emulsion Specification Part 1 Bitumen Heaters Third Revision
17	15 2094 (Fait 1) : 2020	Treaters for Bitumen fai and Emulsion specification fait i Bitumen freaters finite Revision
18	IS 2094 (Part 2) : 2020	Heaters for Bitumen Tar and Emulsion Specification Part 2 Bitumen Sprayer First Revision
10	13 2094 (Fait 2) : 2020	Treaters for bitumen far and Emusion specification fart 2 bitumen sprayer first Revision
19	IS 2004 (Dent 2) - 2020	Hesters for Diturner TAD and Emulsion Specification Dart 2 Diturner Hesters Eight Devision
19	IS 2094 (Part 3) : 2020	Heaters for Bitumen TAR and Emulsion Specification Part 3 Bitumen Heaters First Revision
	D	
•	Reviewed In : 2020	
20	IS/ISO 28173-2 : 2019	Building Construction Machinery and Equipment Mobile Crushers Part 2 Safety Requirements
	ISO 21873-2 : 2019	and Verification First Revision
	Reviewed In : 2019 21873 :	
	Part 2: 2	
21	IS 2438 : 2022	SPECIFICATION FOR ROLLER PAN MIXER First Revision
22	IS 2505 : 2023	Immersion Type Concrete Vibrators General Requirements Fourth Revision
22	15 2505 . 2025	

23	IS 2506 : 2022 ISO 10079-2:2022	GENERAL REQUIREMENTS FOR CONCRETE VIBRATORS SCREED BOARD TYPE Second Revision
24	IS 2514 : 2023	CONCRETE VIBRATING TABLES - SPECIFICATION FIRST REVISION OF IS 2514
25	IS 2722 : 2022	SPECIFICATION FOR PORTABLE SWING WEIGH BATCHERS FOR CONCRETE SINGLE AND DOUBLE BUCKET TYPE First Revision
26	IS 3066 : 1965 Reviewed In : 2022	Specification for hot asphalt mixing plants
27	IS 3251 (Part 1) : 2021 ISO 23048	Asphalt Paver Finisher Part 1 General Requirements First Revision
28	IS 3251 (Part 2) : 2021 ISO 26262-8:2018	Asphalt Paver Finisher Specification Part 2 Hydraulic Second Revision
29	IS 3365 : 2022	Floor Polishing Machines Specification First Revision
30	IS 3559 : 2018	Pneumatic concrete breakers - Specification First Revision
	Reviewed In : 2023	
31	IS 4183 : 2022	SPECIFICATION FOR METAL HAND RAMMERS First Revision
32	IS 4254 : 2023	JAW CRUSHERS GENERAL REQUIREMENTS Second Revision
33	IS 4255 : 2022	Gyratory and Cone Crushers Specification First Revision
34	IS 4925 : 2023	CONCRETE BATCHING AND MIXING PLANT SPECIFICATION Second Revision
35	IS 5435 : 1987 Reviewed In : 2022	General requirements for cold bituminous macadam mixing plants First Revision
36	IS 5889 : 2024	VIBRATORY PLATE COMPACTOR - SPECIFICATION Second Revision
37	IS 5890 : 2004 Reviewed In : 2020	Mobile hot mix asphalt plant light duty - Requirements First Revision
38	IS 5891 : 2022	Hand-Operated Mortar Concrete Mixer Specification First Revision
39	IS 5892 : 2004 Reviewed In : 2020	Concrete transit mixers - Specification First Revision
40	IS 6426 : 2023	PILE DRIVING HAMMER SPECIFICATION First Revision of IS 6426
41	IS 6428 : 2023	PILE FRAME SPECIFICATION First Revision
42	IS 6433 : 2021	Guniting Equipments - Specification First Revision
43	IS 7242 : 1974 Reviewed In : 2022	Specification for concrete spreaders
44	IS 7245 : 1974 Reviewed In : 2022	Specification for concrete pavers
45	IS 7251 : 1974	Specification for concrete finishers
46	Reviewed In : 2022 IS 9309 : 2022 ISO 18593 : 2018	SPECIFICATION FOR ROLL CRUSHER First Revision