

# BUREAU OF INDIAN STANDARDS

## Program of Work

### MED 10 : Wire Ropes And Wire Products

**Scope:** a) Formulation of standards on wire ropes and standards for strands for different purposes; wire products, wire ropes and fittings. b) Co-ordination of work with ISO/TC 82 Mining and ISO/TC 105 Wire ropes.

**Liaison:** **TC-105 (O): Steel wire ropes**

#### Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10887:2001 <i>Reviewed In : 2022</i>	Steel wire ropes for winches and ropeways used in forestry and agriculture - Specification (First Revision)	February, 2022	-	Indigenous
2	IS 10891 (Part 2):2025	STEEL WIRE ROPES FOR AERIAL ROPEWAYS SPECIFICATION PART 2 TRACK ROPES [Second Revision of IS 10891 (Part 2)]		-	Indigenous
3	IS 10891 (Part 1):2025	STEEL WIRE ROPES FOR AERIAL ROPEWAYS - SPECIFICATION PART 1 HAULING AND CARRYING HAULING ROPE (Second Revision)		-	Indigenous
4	IS 10891 (Part 2):2018 <i>Reviewed In : 2023</i>	Specification for steel wire ropes for aerial ropeways: Part 2 track ropes	March, 2023	-	Indigenous
5	IS 10942:2000	Ferrule - Specification (First Revision)	February, 2021	1	Indigenous
6	IS 12735:1994 ISO 8792 <i>Reviewed In : 2022</i> ISO 8792:1986	Wire rope slings - Safety criteria and inspection procedures for use (First Revision)	June, 2022	-	Identical under single numbering
7	IS 12776:2002 <i>Reviewed In : 2022</i>	Galvanized strand for earthing - Specification (First Revision)	February, 2022	3	Indigenous
8	IS 13902 (Part 1):2022	SOCKETS FOR WIRE ROPES FOR GENERAL PURPOSES PART 1 GENERAL CHARACTERISTICS AND CONDITIONS OF ACCEPTANCE First Revision		-	Indigenous
9	IS 13902 (Part 2):2022	SOCKETS FOR WIRE ROPES FOR GENERAL PURPOSES PART 2 SPECIAL REQUIREMENTS FOR		-	Indigenous

		SOCKETS PRODUCED BY FORGING OR MACHINED FROM THE SOLID First Revision			
10	IS 13917:2003 ISO 3154 <span style="color: green;">Reviewed In : 2019</span> Reaffirmed but not taken up for revision	Stranded wire ropes for mine hoisting - Technical delivery requirements (First Revision)	March, 2019	2	Indigenous
11	IS 16013:2018 <span style="color: green;">Reviewed In : 2023</span>	Welded wire gabions (Metallic - Coated Or Metallic - Coated With PVC Coating) - Specification (First Revision)	May, 2023	-	Indigenous
12	IS 16014:2024	MECHANICALLY WOVEN DOUBLE-TWISTED HEXAGONAL WIRE MESH GABIONS REVET MATTRESSES ROCK FALL NETTING AND OTHER PRODUCTS FOR CIVIL ENGINEERING PURPOSES GALVANIZED STEEL WIRE OR GALVANIZED STEEL WIRE WITH POLYMER COATING SPECIFICATION ( Second Revision )		-	Indigenous
13	IS/ISO 17745:2016 ISO 17745 : 2016 <span style="color: green;">ISO 17745</span>	Steel Wire Ring Net Panels â€” Definitions and Specifications		-	Identical under single numbering
14	IS/ISO 17746:2016 ISO 17746 : 2016 <span style="color: green;">ISO 17746</span>	Steel Wire Ring Net Panels â€” Definitions and Specifications		1	Identical under single numbering
15	IS 18532:2024	ROUND STEEL WIRE ROPE USED AS BALANCE ROPES IN MINES SPECIFICATION		-	Indigenous
16	IS 1855:2024	STRANDED STEEL WIRE ROPES FOR WINDING AND MAN-RIDING HAULAGES IN MINES - SPECIFICATION ( Fourth Revision)		-	Indigenous
17	IS 1856:2021	Steel wire ropes for haulage purposes - Specification Fourth Revision		-	Indigenous
18	IS 18281:2023	Electromagnetic Examination of Ferromagnetic Steel Wire Rope Used in Mines — Code of Practice		-	Indigenous
19	IS 19363:2025	METALLIC OR POLYMER COATED WELDED WIRE MESH FENCING $i_6 \frac{1}{2}$ SPECIFICATION		-	Indigenous
20	IS 2140:2022	SPECIFICATION FOR STRANDED GALVANIZED STEEL WIRE FOR FENCING ( Second Revision of IS 2140 )		-	Indigenous
21	IS 2141:2000	Hot dip galvanized stay strand - Specification (Fourth Revision)	February, 2021	1	Indigenous
22	IS 2265:2009 <span style="color: green;">Reviewed In : 2020</span>	Specification for galvanized steel wire strand for signaling purposes	September, 2020	-	Indigenous

		(First Revision)			
23	IS 2266:2024	STEEL WIRE ROPES FOR GENERAL ENGINEERING PURPOSE - SPECIFICATION (Sixth Revision)		-	Indigenous
24	IS 2315:2023	SPECIFICATION FOR THIMBLES FOR WIRE ROPES Second Revision of IS 2315		-	Indigenous
25	IS 2361:2002 Reviewed In : 2022	Bulldog grips - Specification (Third Revision)	February, 2022	-	Indigenous
26	IS 2363:2022	GLOSSARY OF TERMS RELATING TO WIRE ROPES Second Revision		-	Indigenous
27	IS 2365:2024 ISO 4344: 2022 ISO 4344: 2022	STEEL WIRE ROPES FOR LIFTS - MINIMUM REQUIREMENTS (Third revision)		-	Identical under dual numbering
28	IS/ISO 2408:2017 2408 2408	Steel wire ropes Requirements		-	Identical under single numbering
29	IS 2485:2022	SPECIFICATION FOR DROP FORGED SOCKETS FOR WIRE ROPES FOR GENERAL ENGINEERING PURPOSES Second Revision		-	Indigenous
30	IS 2581:2002 Reviewed In : 2022	Round strand galvanized steel wire ropes for shipping purposes - Specification (Fourth Revision)	February, 2022	-	Indigenous
31	IS 2721:2003 Reviewed In : 2024	Galvanized steel chain link fence fabric - Specification (Second Revision)	March, 2024	-	Indigenous
32	IS 2721:2025	GALVANIZED POLY CHLORIDE (PVC), POLYOLEFIN AND OTHER POLYMER - COATED STEEL CHAIN LINK FENCE FABRIC — SPECIFICATION (Third Revision of IS 2721)		-	Indigenous
33	IS 2762:2009	Wire rope slings and sling legs - Specification (Second Revision)	September, 2020	-	Indigenous
34	IS 278:2009 Reviewed In : 2020	Galvanized steel barbed wire for fencing - Specification (Fourth Revision)	September, 2020	-	Indigenous
35	IS 3121:2023	SPECIFICATION FOR RIGGING SCREWS AND STRETCHING SCREWS ( Second Revision of IS 3121 )		-	Indigenous
36	IS/ISO 3155:1976 ISO 3155 : 1976 Reviewed In : 2021	Stranded wire ropes for mine hoisting - Fiber components - Characteristics and tests	July, 2021	-	Indigenous
37	IS/ISO 3156:1976 ISO 3156 : 1976 Reviewed In : 2021 ISO 3156 : 1976	Stranded wire ropes for mine hoisting - Impregnating compounds, lubricants and service dressings - Characteristics and tests	July, 2021	-	Identical under single numbering
38	IS 3374:2013 Reviewed In : 2019 Reaffirmed but not taken up for revision	Preformed steel wire ropes for aircraft control (Second Revision)	March, 2019	-	Indigenous

39	IS 3459:2004	Small wire ropes - Specification (Second Revision)	September, 2020	-	Indigenous
40	IS 3623:2024	GUIDE AND RUBBING ROPES " SPECIFICATION (Second Revision )		-	Indigenous
41	IS 3626:2024	Locked Coil Winding Ropes " Specification (Third Revision)		-	Indigenous
42	IS 3626:2025	LOCKED COIL WINDING ROPES SPECIFICATION (Fourth Revision of IS 3626)		-	Indigenous
43	IS 3937 (Part 1):2022	RECOMMENDATIONS FOR SOCKETING OF WIRE ROPES - PART 1 SOCKETING WITH ZINC Second Revision		-	Indigenous
44	IS 3937 (Part 2):2022	RECOMMENDATIONS FOR SOCKETING OF WIRE ROPES - PART 2 SOCKETING WITH WHITE METAL Second Revision		-	Indigenous
45	IS 3937 (Part 3):2022	RECOMMENDATIONS FOR SOCKETING OF WIRE ROPES - PART 3 SOCKETING WITH RESINS First Revision		-	Indigenous
46	IS 3973:2022	CODE OF PRACTICE FOR THE SELECTION INSTALLATION AND MAINTENANCE OF WIRE ROPES Second Revision		-	Indigenous
47	IS 4521:2024	Wire Ropes Used in Oil Wells and Oil Well Drilling and Other Applications of Petroleum and Natural Gas Industries - Specification (Third Revision)		-	Indigenous
48	IS 4948:2020	Welded Steel Wire Fabric for General Use - Specification ( Third Revision )	-	1	Indigenous
49	IS 5245 (Part 1):2022	METHODS FOR SPLICING OF WIRE ROPES PART I HAND SPLICING OF WIRE ROPES First Revision		-	Indigenous
50	IS 5245 (Part 2):2013 <span style="color: green;">Reviewed In : 2024</span>	Methods for splicing of wire ropes: Part 2 wire rope sling legs with ferrule - Secured eye terminal (First Revision)	March, 2024	-	Indigenous
51	IS 5836:1977 <span style="color: green;">Reviewed In : 2022</span>	Specification for inner wire, ropes for automobile control cables (First Revision)	February, 2022	-	Indigenous
52	IS 6594:2024	TECHNICAL SUPPLY CONDITIONS FOR STEEL WIRE ROPES AND STRANDS (Fourth Revision )		-	Indigenous
53	IS 9282:2024	Wire Ropes and Strands for General Structural Applications Including Cable Supported Bridges - Specification (third revision)		-	Indigenous

### Standards under Development

### Projects Approved

SI. No.	Doc No.	Title
No Records Found		

### Preliminary Draft Standards

SI. No.	Doc No.	Title
No Records Found		

### Drafts Standards in WC Stage

SI. No.	Doc No.	Title
No Records Found		

### Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
No Records Found		

### Finalized Draft Indian Standard

SI. No.	Doc No.	Title
1	MED 10 (33165)	Specification for galvanized steel wire strand for signaling purposes First Revision

### Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	MED 10 (28155) <small>Amendment of: IS 2721:2003</small>	GALVANIZED POLY CHLORIDE PVC POLYOLEFIN AND OTHER POLYMER - COATED STEEL CHAIN LINK FENCE FABRIC SPECIFICATION Third Revision of IS 2721
2	MED 10 (28204) <small>Amendment of: IS 10891:2018</small>	STEEL WIRE ROPES FOR AERIAL ROPEWAYS SPECIFICATION PART 2 TRACK ROPES Second Revision of IS 10891 Part 2
3	MED 10 (28320) <small>Amendment of: IS 3626:2024</small>	LOCKED COIL WINDING ROPES SPECIFICATION Fourth Revision of IS 3626
4	MED 10 (33168)	GALVANIZED STEEL BARBED WIRE GENERAL GRADE amp HIGH TENSILE GRADE FOR FENCING SPECIFICATION
5	MED 10 (33244)	Steel wire ropes Determination of the actual modulus of elasticity
6	MED 10 (33245)	STEEL WIRE ROPES DETERMINATION OF THE TRANSVERS RIGIDITY OF STEEL WIRE ROPES UNDER NO AXIAL LOAD CONDITION
7	MED 10 (33246)	STEEL WIRE ROPES DETERMINATION OF ROTATIONAL PROPERTIES

**Total Published Standards:47 Total Standards Under development:8**

### Aspect Wise Report

Product : 36  
 Code of Practices : 11  
 Methods of Test : 3  
 Terminology : 0  
 Dimensions : 0  
 System Standard : 0  
 Safety Standard : 0  
 Others : 0  
 Service Specification : 0  
 Process Specification : 0  
 Unclassified : 0

## Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 12694:1993 IEC 8369	Large Diameter Steel Wire Ropes
2	IS 13869:1993	High Breaking Load Steel Wire Ropes
3	IS 13902 (Part 3):1993 ISO 3189-3 Reviewed In : 2022 ISO 3189-3:1985	Sockets for wire ropes for general purposes Part 3 special requirements for sockets produced by casting
4	IS 2352:1963	Procedure for basic climatic and durability tests for optical instruments
5	IS 2758:1969 Reviewed In : 2013	mild steel point hooks for use with wire rope thimbles
6	IS 4198:1967 Reviewed In : 1991	Emulsion Spraying Machine For Roads
7	IS 4230:1967 Reviewed In : 1991	Lock Lever Tumbler Type
8	IS 4507:1978 Reviewed In : 2001	Yacht Ropes
9	IS 4734:1968	Short needle bars for sewing machines household purposes
10	IS 5202:1969	Flat Hoisting Wire Ropes Used in Mines
11	IS 5203:1969 Reviewed In : 1996	Flat Balancing Wire Ropes Used in Mines

## Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 10887:2001 Reviewed In : 2022	Steel wire ropes for winches and ropeways used in forestry and agriculture - Specification First Revision
2	IS 10891 (Part 2):2025	STEEL WIRE ROPES FOR AERIAL ROPEWAYS SPECIFICATION PART 2 TRACK ROPES Second Revision of IS 10891 Part 2
3	IS 10891 (Part 1):2025	STEEL WIRE ROPES FOR AERIAL ROPEWAYS - SPECIFICATION PART 1 HAULING AND CARRYING HAULING ROPE Second Revision
4	IS 10942:2000	Ferrule - Specification First Revision
5	IS 12776:2002 Reviewed In : 2022	Galvanized strand for earthing - Specification First Revision
6	IS 16013:2018 Reviewed In : 2023	Welded wire gabions Metallic - Coated Or Metallic - Coated With PVC Coating - Specification First Revision
7	IS 16014:2024	MECHANICALLY WOVEN DOUBLE-TWISTED HEXAGONAL WIRE MESH GABIONS REVET MATTRESSES ROCK FALL NETTING AND OTHER PRODUCTS FOR CIVIL ENGINEERING PURPOSES GALVANIZED STEEL WIRE OR GALVANIZED STEEL WIRE WITH POLYMER COATING SPECIFICATION Second Revision
8	IS/ISO 17745:2016 ISO 17745 : 2016 ISO 17745	Steel Wire Ring Net Panels Definitions and Specifications
9	IS/ISO 17746:2016 ISO 17746 : 2016 ISO 17746	Steel Wire Ring Net Panels Definitions and Specifications
10	IS 18532:2024	ROUND STEEL WIRE ROPE USED AS BALANCE ROPES IN MINES SPECIFICATION
11	IS 1855:2024	STRANDED STEEL WIRE ROPES FOR WINDING AND MAN-RIDING HAULAGES IN MINES - SPECIFICATION Fourth Revision

12	IS 1856:2021 ISO 10552:2014	Steel wire ropes for haulage purposes - Specification Fourth Revision
13	IS 19363:2025	METALLIC OR POLYMER COATED WELDED WIRE MESH FENCING SPECIFICATION
14	IS 2140:2022 ISO 17664-2:2021	SPECIFICATION FOR STRANDED GALVANIZED STEEL WIRE FOR FENCING Second Revision of IS 2140
15	IS 2141:2000	Hot dip galvanized stay strand - Specification Fourth Revision
16	IS 2265:2009 Reviewed In : 2020	Specification for galvanized steel wire strand for signaling purposes First Revision
17	IS 2266:2024	STEEL WIRE ROPES FOR GENERAL ENGINEERING PURPOSE - SPECIFICATION Sixth Revision
18	IS 2315:2023 ISO 9333:2022	SPECIFICATION FOR THIMBLES FOR WIRE ROPES Second Revision of IS 2315
19	IS 2361:2002 Reviewed In : 2022	Bulldog grips - Specification Third Revision
20	IS 2365:2024 ISO 4344: 2022	STEEL WIRE ROPES FOR LIFTS - MINIMUM REQUIREMENTS Third revision
21	IS/ISO 2408:2017 2408 ISO 20957-6	Steel wire ropes Requirements
22	IS 2485:2022 ISO 10079-1:2022	SPECIFICATION FOR DROP FORGED SOCKETS FOR WIRE ROPES FOR GENERAL ENGINEERING PURPOSES Second Revision
23	IS 2581:2002 Reviewed In : 2022	Round strand galvanized steel wire ropes for shipping purposes - Specification Fourth Revision
24	IS 2721:2025	GALVANIZED POLY CHLORIDE PVC POLYOLEFIN AND OTHER POLYMER - COATED STEEL CHAIN LINK FENCE FABRIC SPECIFICATION Third Revision of IS 2721
25	IS 2762:2009	Wire rope slings and sling legs - Specification Second Revision
26	IS 278:2009 Reviewed In : 2020	Galvanized steel barbed wire for fencing - Specification Fourth Revision
27	IS 3121:2023	SPECIFICATION FOR RIGGING SCREWS AND STRETCHING SCREWS Second Revision of IS 3121
28	IS 3374:2013 Reviewed In : 2019 Reaffirmed but not taken up for revision	Preformed steel wire ropes for aircraft control Second Revision
29	IS 3459:2004	Small wire ropes - Specification Second Revision
30	IS 3623:2024	GUIDE AND RUBBING ROPES SPECIFICATION Second Revision
31	IS 3626:2025	LOCKED COIL WINDING ROPES SPECIFICATION Fourth Revision of IS 3626
32	IS 4521:2024	Wire Ropes Used in Oil Wells and Oil Well Drilling and Other Applications of Petroleum and Natural Gas Industries - Specification Third Revision
33	IS 4948:2020	Welded Steel Wire Fabric for General Use - Specification Third Revision
34	IS 5836:1977 Reviewed In : 2022	Specification for inner wire ropes for automobile control cables First Revision
35	IS 6594:2024	TECHNICAL SUPPLY CONDITIONS FOR STEEL WIRE ROPES AND STRANDS Fourth Revision
36	IS 9282:2024	Wire Ropes and Strands for General Structural Applications Including Cable Supported Bridges - Specification third revision