

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 Reviewed In : 2022 | Steel wire ropes for winches and ropeways used in forestry and agriculture - Specification (First Revision) | February, 2022 | - | Indigenous |
| 2 | IS 10891 (Part 1) : 2001 Reviewed In : 2022 | Steel wire ropes for aerial ropeways - Specification: Part 1 haulage ropes (First Revision) | February, 2022 | - | Indigenous |
| 3 | IS 10891 (Part 2) : 2018 Reviewed In : 2023 | Specification for steel wire ropes for aerial ropeways: Part 2 track ropes | March, 2023 | - | Indigenous |
| 4 | IS 10942 : 2000 Reviewed In : 2021 | Ferrule - Specification (First Revision) | February, 2021 | 1 | Indigenous |
| 5 | IS 12735 : 1994 ISO 8792 Reviewed In : 2022 ISO 8792:1986 | Wire rope slings - Safety criteria and inspection procedures for use (First Revision) | June, 2022 | - | Not Equivalent |
| 6 | IS 12776 : 2002 Reviewed In : 2022 | Galvanized strand for earthing - Specification (First Revision) | February, 2022 | 3 | Indigenous |
| 7 | IS 13902 (Part 1) : 2022 | SOCKETS FOR WIRE ROPES FOR GENERAL PURPOSES PART 1 GENERAL CHARACTERISTICS AND CONDITIONS OF ACCEPTANCE First Revision | | - | Indigenous |
| 8 | IS 13902 (Part 2) : 2022 | SOCKETS FOR WIRE ROPES FOR GENERAL PURPOSES PART 2 SPECIAL REQUIREMENTS FOR SOCKETS PRODUCED BY FORGING OR MACHINED FROM THE SOLID First Revision | | - | Indigenous |
| 9 | IS 13917 : 2003 ISO 3154 Reviewed In : 2019 Reaffirmed but not | Stranded wire ropes for mine hoisting - Technical delivery requirements (First Revision) | March, 2019 | 2 | Not Equivalent |

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|----|--|---|-----------------|---|----------------------------------|
| | taken up for revision ISO 3154:1988 | | | | |
| 10 | IS 16013 : 2018 Reviewed In : 2023 | Welded wire gabions (Metallic - Coated Or Metallic - Coated With PVC Coating) - Specification (First Revision) | May, 2023 | - | Indigenous |
| 11 | IS 16014 : 2018 Reviewed In : 2023 | 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 (First Revision) | December, 2023 | - | Indigenous |
| 12 | IS/ISO 17745 : 2016 ISO 17745 : 2016 ISO 17745 | Steel Wire Ring Net Panels â€” Definitions and Specifications | | - | Identical under single numbering |
| 13 | IS/ISO 17746 : 2016 ISO 17746 : 2016 ISO 17746 | Steel Wire Ring Net Panels â€” Definitions and Specifications | | - | Identical under single numbering |
| 14 | IS 18532 : 2024 | ROUND STEEL WIRE ROPE USED AS BALANCE ROPES IN MINES SPECIFICATION | | - | Indigenous |
| 15 | IS 1855 : 2022 | Stranded steel wire ropes for winding and man - Riding haulages in mines - Specification Third Revision | | - | Indigenous |
| 16 | IS 1856 : 2021 | Steel wire ropes for haulage purposes - Specification Fourth Revision | | - | Indigenous |
| 17 | IS 18281 : 2023 | Electromagnetic Examination of Ferromagnetic Steel Wire Rope Used in Mines — Code of Practice | | - | Indigenous |
| 18 | IS 2140 : 2022 | SPECIFICATION FOR STRANDED GALVANIZED STEEL WIRE FOR FENCING (Second Revision of IS 2140) | | - | Indigenous |
| 19 | IS 2141 : 2000 Reviewed In : 2021 | Hot dip galvanized stay strand - Specification (Fourth Revision) | February, 2021 | 1 | Indigenous |
| 20 | IS 2265 : 2009 Reviewed In : 2020 | Specification for galvanized steel wire strand for signaling purposes (First Revision) | September, 2020 | - | Indigenous |
| 21 | IS 2266 : 2019 Reviewed In : 2024 | Steel wire ropes for general engineering purpose - Specification (Fifth Revision) | March, 2024 | 2 | Indigenous |
| 22 | IS 2315 : 2023 | SPECIFICATION FOR THIMBLES FOR WIRE ROPES Second Revision of IS 2315 | | - | Indigenous |
| 23 | IS 2361 : 2002 Reviewed In : 2022 | Bulldog grips - Specification (Third Revision) | February, 2022 | - | Indigenous |
| 24 | IS 2363 : 2022 | GLOSSARY OF TERMS RELATING TO WIRE ROPES Second Revision | | - | Indigenous |
| 25 | IS 2365 : 2018 Reviewed In : 2023 | Steel wire suspension ropes for lifts, elevators and hoists - Specification (Second Revision) | December, 2023 | 1 | Indigenous |
| 26 | IS/ISO 2408 : 2017 2408 2408 | Steel wire ropes Requirements | | - | Identical under single numbering |

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|----|---|--|-----------------|---|----------------------------------|
| 27 | IS 2485 : 2022 | SPECIFICATION FOR DROP FORGED SOCKETS FOR WIRE ROPES FOR GENERAL ENGINEERING PURPOSES Second Revision | | - | Indigenous |
| 28 | IS 2581 : 2002 Reviewed In : 2022 | Round strand galvanized steel wire ropes for shipping purposes - Specification (Fourth Revision) | February, 2022 | - | Indigenous |
| 29 | IS 2721 : 2003 Reviewed In : 2024 | Galvanized steel chain link fence fabric - Specification (Second Revision) | March, 2024 | - | Indigenous |
| 30 | IS 2762 : 2009 Reviewed In : 2020 | Wire rope slings and sling legs - Specification (Second Revision) | September, 2020 | - | Indigenous |
| 31 | IS 278 : 2009 Reviewed In : 2020 | Galvanized steel barbed wire for fencing - Specification (Fourth Revision) | September, 2020 | - | Indigenous |
| 32 | IS 3121 : 2023 | SPECIFICATION FOR RIGGING SCREWS AND STRETCHING SCREWS (Second Revision of IS 3121) | | - | Indigenous |
| 33 | IS/ISO 3155 : 1976 ISO 3155 : 1976 Reviewed In : 2021 | Stranded wire ropes for mine hoisting - Fiber components - Characteristics and tests | July, 2021 | - | Indigenous |
| 34 | 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 |
| 35 | IS 3374 : 2013 Reviewed In : 2019 Reaffirmed but not taken up for revision ISO 2020-1:1997 | Preformed steel wire ropes for aircraft control (Second Revision) | March, 2019 | - | Not Equivalent |
| 36 | IS 3459 : 2004 Reviewed In : 2020 | Small wire ropes - Specification (Second Revision) | September, 2020 | - | Indigenous |
| 37 | IS 3623 : 2024 | GUIDE AND RUBBING ROPES "â€" SPECIFICATION (Second Revision) | | - | Indigenous |
| 38 | IS 3623 : 1978 Reviewed In : 2022 | Specification for guide and rubbing ropes (First Revision) | February, 2022 | 1 | Indigenous |
| 39 | IS 3626 : 2001 Reviewed In : 2021 | Locked coil winding ropes - Specification (Second Revision) | February, 2021 | - | Indigenous |
| 40 | IS 3937 (Part 1) : 2022 | RECOMMENDATIONS FOR SOCKETING OF WIRE ROPES - PART 1 SOCKETING WITH ZINC Second Revision | | - | Indigenous |
| 41 | IS 3937 (Part 2) : 2022 | RECOMMENDATIONS FOR SOCKETING OF WIRE ROPES - PART 2 SOCKETING WITH WHITE METAL Second Revision | | - | Indigenous |
| 42 | IS 3937 (Part 3) : 2022 | RECOMMENDATIONS FOR SOCKETING OF WIRE ROPES - PART 3 SOCKETING WITH RESINS First Revision | | - | Indigenous |
| 43 | IS 3973 : 2022 | CODE OF PRACTICE FOR THE SELECTION INSTALLATION AND MAINTENANCE OF WIRE ROPES Second Revision | | - | Indigenous |
| 44 | IS 4521 : 2001 Reviewed In : 2022 | Wire ropes used in oil wells and oil well drilling - Specification | February, 2022 | - | Indigenous |

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|----|--|--|----------------|---|------------|
| | | (Second Revision) | | | |
| 45 | IS 4948 : 2020 | Welded Steel Wire Fabric for General Use - Specification (Third Revision) | - | 1 | Indigenous |
| 46 | IS 5245 (Part 1) : 2022 | METHODS FOR SPLICING OF WIRE ROPES PART I HAND SPLICING OF WIRE ROPES First Revision | | - | Indigenous |
| 47 | IS 5245 (Part 2) : 2013 <i>Reviewed In : 2024</i> | Methods for splicing of wire ropes: Part 2 wire rope sling legs with ferrule - Secured eye terminal (First Revision) | March, 2024 | - | Indigenous |
| 48 | IS 5836 : 1977 <i>Reviewed In : 2022</i> | Specification for inner wire, ropes for automobile control cables (First Revision) | February, 2022 | - | Indigenous |
| 49 | IS 6594 : 2018 <i>Reviewed In : 2023</i> | Technical supply conditions for steel wire ropes and strands (Third Revision) | July, 2023 | 1 | Indigenous |
| 50 | IS 9282 : 2021 | Wire Ropes and Strands for Suspension Bridges | | - | Indigenous |

Standards under Development

Projects Approved

| SI. No. | Doc No. | Title |
|-------------------------|---------|-------|
| <i>No Records Found</i> | | |

Preliminary Draft Standards

| SI. No. | Doc No. | Title |
|-------------------------|---------|-------|
| <i>No Records Found</i> | | |

Drafts Standards in WC Stage

| SI. No. | Doc No. | Title |
|-------------------------|---------|-------|
| <i>No Records Found</i> | | |

Draft Standards Completed WC Stage

| SI. No. | Doc No. | Title |
|---------|----------------|---|
| 1 | MED 10 (24962) | METALLIC OR POLYMER COATED - WELDED WIRE MESH FENCING SPECIFICATION |

Finalized Draft Indian Standard

| SI. No. | Doc No. | Title |
|---------|---|---|
| 1 | MED 10 (25682) <i>Revision of: IS 2365:2018</i> | STEEL WIRE ROPES FOR LIFTS MINIMUM REQUIREMENTS Third revision of IS 2365 |
| 2 | MED 10 (25706) <i>Revision of: IS 2266:2019</i> | STEEL WIRE ROPES FOR GENERAL ENGINEERING PURPOSE SPECIFICATION Sixth Revision of IS 2266 |
| 3 | MED 10 (25710) <i>Revision of: IS 1855:2003</i> | STRANDED STEEL WIRE ROPES FOR WINDING AND MAN-RIDING HAULAGES IN MINES SPECIFICATION Fourth Revision of IS 1855 |
| 4 | MED 10 (25711) <i>Revision of: IS 4521:2001</i> | WIRE ROPES USED IN OIL WELLS AND OIL WELL DRILLING SPECIFICATION Third Revision of IS 4521 |
| 5 | MED 10 (25713) <i>Revision of: IS 6594:2018</i> | TECHNICAL SUPPLY CONDITIONS FOR STEEL WIRE ROPES AND STRANDS Fourth Revision of IS 6594 |

Finalized Draft Indian Standards under Print

| Sl. No. | Doc No. | Title |
|---------|---|--|
| 1 | MED 10 (19888) Revision of: IS 3626:2001 | LOCKED COIL WINDING ROPES SPECIFICATION |
| 2 | MED 10 (24023) Revision of: IS 9282:2021 | Wire Ropes and Strands for General Structural Applications Including Cable Supported Bridges Specification |
| 3 | MED 10 (24953) Revision of: IS 16014:2012 | 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 of IS 16014 |

Total Published Standards:44 Total Standards Under development:9

Aspect Wise Report

Product : 32
 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

| Sl. 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 s |
| 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 16014 : 2012 IEC TS 62351-100-1:2018 | Mechanically woven double -twisted hexagonal Wire Mesh Gabions Revet Mattresses and Rock fall Netting Galvanized steel wire or Galvanized steel wore with PVC coating - Specification |
| 5 | IS 2266 : 2002 ISO 2408 Reviewed In : 2012 ISO 18526-3 : 2020 | Steel Wire Ropes for General Engineering Purposes |
| 6 | IS 2352 : 1963 | Procedure for basic climatic and durability tests for optical instruments |
| 7 | IS 2365 : 1977 Reviewed In : 2012 ISO 18526-4 : 2020 | Steel Wire Suspension Ropes for Lifts Elevators and Hoists |
| 8 | IS 2758 : 1969 Reviewed In : 2013 | mild steel point hooks for use with wire rope thimbles |
| 9 | IS 4198 : 1967 Reviewed In : 1991 | Emulsion Spraying Machine For Roads |
| 10 | IS 4230 : 1967 Reviewed In : 1991 | Lock Lever Tumbler Type |
| 11 | IS 4507 : 1978 Reviewed In : 2001 | Yacht Ropes |

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| 12 | IS 4734 : 1968 | Short needle bars for sewing machines household purposes |
| 13 | IS 5202 : 1969 | Flat Hoisting Wire Ropes Used in Mines |
| 14 | 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 1) : 2001 Reviewed In : 2022 | Steel wire ropes for aerial ropeways - Specification Part 1 haulage ropes First Revision |
| 3 | IS 10891 (Part 2) : 2018 Reviewed In : 2023 | Specification for steel wire ropes for aerial ropeways Part 2 track ropes |
| 4 | IS 10942 : 2000 Reviewed In : 2021 | 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/ISO 17745 : 2016 ISO 17745 : 2016 ISO 17745 | Steel Wire Ring Net Panels Definitions and Specifications |
| 8 | IS/ISO 17746 : 2016 ISO 17746 : 2016 ISO 17746 | Steel Wire Ring Net Panels Definitions and Specifications |
| 9 | IS 18532 : 2024 | ROUND STEEL WIRE ROPE USED AS BALANCE ROPES IN MINES SPECIFICATION |
| 10 | IS 1855 : 2022 | Stranded steel wire ropes for winding and man - Riding haulages in mines - Specification Third Revision |
| 11 | IS 1856 : 2021 ISO 10552:2014 | Steel wire ropes for haulage purposes - Specification Fourth Revision |
| 12 | IS 2140 : 2022 | SPECIFICATION FOR STRANDED GALVANIZED STEEL WIRE FOR FENCING Second Revision of IS 2140 |
| 13 | IS 2141 : 2000 Reviewed In : 2021 | Hot dip galvanized stay strand - Specification Fourth Revision |
| 14 | IS 2265 : 2009 Reviewed In : 2020 | Specification for galvanized steel wire strand for signaling purposes First Revision |
| 15 | IS 2315 : 2023 | SPECIFICATION FOR THIMBLES FOR WIRE ROPES Second Revision of IS 2315 |
| 16 | IS 2361 : 2002 Reviewed In : 2022 | Bulldog grips - Specification Third Revision |
| 17 | IS/ISO 2408 : 2017 2408 ISO 20957-6 | Steel wire ropes Requirements |
| 18 | IS 2485 : 2022 ISO 10079-1:2022 | SPECIFICATION FOR DROP FORGED SOCKETS FOR WIRE ROPES FOR GENERAL ENGINEERING PURPOSES Second Revision |
| 19 | IS 2581 : 2002 Reviewed In : 2022 | Round strand galvanized steel wire ropes for shipping purposes - Specification Fourth Revision |
| 20 | IS 2721 : 2003 Reviewed In : 2024 | Galvanized steel chain link fence fabric - Specification Second Revision |
| 21 | IS 2762 : 2009 Reviewed In : 2020 | Wire rope slings and sling legs - Specification Second Revision |
| 22 | IS 278 : 2009 Reviewed In : 2020 | Galvanized steel barbed wire for fencing - Specification Fourth Revision |

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| 23 | IS 3121 : 2023 | SPECIFICATION FOR RIGGING SCREWS AND STRETCHING SCREWS Second Revision of IS 3121 |
| 24 | IS 3374 : 2013 Reviewed In : 2019 Reaffirmed but not taken up for revision ISO 2020-1:1997 | Preformed steel wire ropes for aircraft control Second Revision |
| 25 | IS 3459 : 2004 Reviewed In : 2020 | Small wire ropes - Specification Second Revision |
| 26 | IS 3623 : 2024 | GUIDE AND RUBBING ROPES SPECIFICATION Second Revision |
| 27 | IS 3626 : 2001 Reviewed In : 2021 | Locked coil winding ropes - Specification Second Revision |
| 28 | IS 4521 : 2001 Reviewed In : 2022 | Wire ropes used in oil wells and oil well drilling - Specification Second Revision |
| 29 | IS 4948 : 2020 | Welded Steel Wire Fabric for General Use - Specification Third Revision |
| 30 | IS 5836 : 1977 Reviewed In : 2022 | Specification for inner wire ropes for automobile control cables First Revision |
| 31 | IS 6594 : 2018 Reviewed In : 2023 | Technical supply conditions for steel wire ropes and strands Third Revision |
| 32 | IS 9282 : 2021 | Wire Ropes and Strands for Suspension Bridges |