

BUREAU OF INDIAN STANDARDS

Program of Work

CED 54 : Concrete Reinforcement

Scope: Standardization in the field of reinforcement for concrete including pre-stressing steel

Liaison: **ISO TC-17 SC-16 (P): Steels for the reinforcement and prestressing of concrete**

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10790 (Part 1) : 1984 <i>Reviewed In : 2021</i> Reaffirmed but not taken up for revision	Methods of Sampling of Steel for Prestressed and Reinforced Concrete: Part 1 Prestressing Steel	March, 2021	-	Indigenous
2	IS 10790 (Part 2) : 1984 <i>Reviewed In : 2021</i> Reaffirmed but not taken up for revision	Methods of Sampling of Steel for Prestressed and Reinforced Concrete: Part 2 Reinforcing Steel	March, 2021	-	Indigenous
3	IS 12594 : 1988 <i>Reviewed In : 2021</i>	Hot - Dip Zinc Coating on Structural Steel Bars for Concrete Reinforcement - Specification	March, 2021	1	Indigenous
4	IS 13620 : 1993 <i>Reviewed In : 2020</i>	Fusion Bonded Epoxy Coated Reinforcing Bars - Specification	May, 2020	1	
5	IS 14268 : 2022 <i>ISO 6934-1 & 6934-4</i>	Uncoated Stress Relieved Low Relaxation Seven-Wire (Ply) Strand for Prestressed Concrete -Specification (Second Revision)		-	Not Equivalent
6	IS 1566 : 1982 <i>Reviewed In : 2020</i> <i>ISO 6945-4</i>	Specification for Hard - Drawn Steel Wire Fabric for Concrete Reinforcement (Second Revision)	May, 2020	4	Not Equivalent
7	IS 16172 : 2023	Reinforcement Couplers for Mechanical Splices of Steel Bars in Concrete - Specification (First Revision)		-	Indigenous
8	IS 16644 : 2018 <i>Reviewed In : 2023</i> <i>ISO 15845-1 ISO 15845-2</i>	Stress - Relieved, Low Relaxation Steel Wire for Prestressed Concrete - Specification	May, 2023	-	Not Equivalent
9	IS 16651 : 2017 <i>Reviewed In : 2022</i>	High Strength Deformed Stainless Steel Bars and Wires for Concrete Reinforcement - Specification	July, 2022	-	Indigenous
10	IS 1785 (Part 1) : 1983 <i>Reviewed In : 2023</i>	Specification for Plain Hard - Drawn Steel Wire for Prestressed Concrete: Part 1 Cold Drawn Stress	January, 2023	4	Not Equivalent

	ISO 6944-1 ISO 6944-4	- Relieved Wire (Second Revision)			
11	IS 1785 (Part 2) : 1983 Reviewed In : 2023 ISO 6944-1 ISO 6944-2	Specification for Plain Hard Drawn Steel Wire for Prestressed Concrete: Part 2 As-Drawn Wire (First Revision)	January, 2023	4	Not Equivalent
12	IS 1786 : 2008 Reviewed In : 2023 ISO 6945-2	High Strength Deformed Steel Bars and Wires for Concrete Reinforcement - Specification (Fourth Revision)	January, 2023	4	Not Equivalent
13	IS 18255 : 2023	Fibre-Reinforced Polymer (FRP) Bars for Concrete Reinforcement - Methods of Test		-	Indigenous
14	IS 18256 : 2023	Solid Round Glass Fibre Reinforced Polymer (GFRP) Bars for Concrete Reinforcement - Specification		-	Indigenous
15	IS 2090 : 1983 Reviewed In : 2020 ISO 6944-5	Specification for High Tensile Steel Bars Used in Prestressed Concrete (First Revision)	May, 2020	1	Not Equivalent
16	IS 432 (Part 1) : 1982 Reviewed In : 2020	Specification for Mild Steel and Medium Tensile Steel Bars and Hard-Drawn Steel Wire for Concrete Reinforcement: Part 1 Mild Steel and Medium Tensile Steel Bars (Third revision)	May, 2020	2	
17	IS 432 (Part 2) : 1982 Reviewed In : 2020	Specification for Mild Steel and Medium Tensile Steel Bars and Hard-Drawn Steel Wire for Concrete Reinforcement: Part 2 Hard-Drawn Steel Wire (Third Revision)	May, 2020	3	
18	IS 6003 : 2010 Reviewed In : 2021	Indented Wire For Prestressed Concrete - Specification (Second Revision)	March, 2021	-	
19	IS 6006 : 2014 Reviewed In : 2019 ISO 6944-4	Uncoated Stress Relieved Strand for Prestressed Concrete - Specification (Second Revision)	March, 2019	-	Not Equivalent
20	IS 9417 : 2018 Reviewed In : 2023	Welding of High Strength Steel Bars for Reinforced Concrete Construction - Recommendations (Second Revision)	June, 2023	-	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	CED 54 (14913)	Preliminary draft for Cold-reduced steel wire for the manufacture of welded fabric for concrete reinforcement - Specification
2	CED 54 (22059)	Continuous hot-dip galvanized steel bars for concrete reinforcement - Specification

Finalized Draft Indian Standard

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

Finalized Draft Indian Standards under Print

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

Total Published Standards:19 Total Standards Under development:2

Aspect Wise Report

Product : 16
Code of Practices : 1
Methods of Test : 1
Terminology : 0
Dimensions : 0
System Standard : 0
Safety Standard : 0
Others : 2
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
<i>No Records Found</i>		

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 12594 : 1988 Reviewed In : 2021	Hot - Dip Zinc Coating on Structural Steel Bars for Concrete Reinforcement - Specification
2	IS 13620 : 1993 Reviewed In : 2020	Fusion Bonded Epoxy Coated Reinforcing Bars - Specification
3	IS 14268 : 2022 IEC 62366-1: 2015 CSV	Uncoated Stress Relieved Low Relaxation Seven-Wire Ply Strand for Prestressed Concrete -Specification Second Revision
4	IS 1566 : 1982 Reviewed In : 2020 ISO 6945-4	Specification for Hard - Drawn Steel Wire Fabric for Concrete Reinforcement Second Revision
5	IS 16172 : 2023	Reinforcement Couplers for Mechanical Splices of Steel Bars in Concrete - Specification First Revision
6	IS 16644 : 2018 Reviewed In : 2023 ISO	Stress - Relieved Low Relaxation Steel Wire for Prestressed Concrete - Specification

	15845-1 ISO 15845-2	
7	IS 16651 : 2017 Reviewed In : 2022	High Strength Deformed Stainless Steel Bars and Wires for Concrete Reinforcement - Specification
8	IS 1785 (Part 1) : 1983 Reviewed In : 2023 ISO 6944-1 ISO 6944-4	Specification for Plain Hard - Drawn Steel Wire for Prestressed Concrete Part 1 Cold Drawn Stress - Relieved Wire Second Revision
9	IS 1785 (Part 2) : 1983 Reviewed In : 2023 ISO 6944-1 ISO 6944-2	Specification for Plain Hard Drawn Steel Wire for Prestressed Concrete Part 2 As-Drawn Wire First Revision
10	IS 1786 : 2008 Reviewed In : 2023 ISO 6945-2	High Strength Deformed Steel Bars and Wires for Concrete Reinforcement - Specification Fourth Revision
11	IS 18256 : 2023	Solid Round Glass Fibre Reinforced Polymer GFRP Bars for Concrete Reinforcement - Specification
12	IS 2090 : 1983 Reviewed In : 2020 ISO 6944-5	Specification for High Tensile Steel Bars Used in Prestressed Concrete First Revision
13	IS 432 (Part 1) : 1982 Reviewed In : 2020	Specification for Mild Steel and Medium Tensile Steel Bars and Hard-Drawn Steel Wire for Concrete Reinforcement Part 1 Mild Steel and Medium Tensile Steel Bars Third revision
14	IS 432 (Part 2) : 1982 Reviewed In : 2020	Specification for Mild Steel and Medium Tensile Steel Bars and Hard-Drawn Steel Wire for Concrete Reinforcement Part 2 Hard-Drawn Steel Wire Third Revision
15	IS 6003 : 2010 Reviewed In : 2021	Indented Wire For Prestressed Concrete - Specification Second Revision
16	IS 6006 : 2014 Reviewed In : 2019 ISO 6944-4	Uncoated Stress Relieved Strand for Prestressed Concrete - Specification Second Revision