

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 Reviewed In : 2021 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 Reviewed In : 2021 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 Reviewed In : 2021	Hot - Dip Zinc Coating on Structural Steel Bars for Concrete Reinforcement - Specification	March, 2021	1	Indigenous
4	IS 13620:1993 Reviewed In : 2020	Fusion Bonded Epoxy Coated Reinforcing Bars - Specification	May, 2020	1	
5	IS 14268:2022 ISO 6934-1 & 6934-4	Uncoated Stress Relieved Low Relaxation Seven-Wire (Ply) Strand for Prestressed Concrete -Specification (Second Revision)		-	Not Equivalent
6	IS 1566:1982 Reviewed In : 2020 ISO 6945-4	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 Reviewed In : 2023 ISO 15845-1 ISO 15845-2	Stress - Relieved, Low Relaxation Steel Wire for Prestressed Concrete - Specification	May, 2023	-	Not Equivalent
9	IS 16651:2017 Reviewed In : 2022	High Strength Deformed Stainless Steel Bars and Wires for Concrete Reinforcement - Specification	July, 2022	-	Indigenous
10	IS 1785 (Part 1):1983 Reviewed In : 2023	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 19068:2025	Continuous hot-dip galvanized steel bars for concrete reinforcement - Specification		-	Indigenous
16	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
17	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	
18	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	
19	IS 6003:2010 Reviewed In : 2021	Indented Wire For Prestressed Concrete - Specification (Second Revision)	March, 2021	-	
20	IS 6006:2014 Reviewed In : 2024 ISO 6944-4	Uncoated Stress Relieved Strand for Prestressed Concrete - Specification (Second Revision)	March, 2024	-	Not Equivalent
21	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

Sl. No.	Doc No.	Title
No Records Found		

Preliminary Draft Standards

Sl. No.	Doc No.	Title
1	CED 54 (27106) Revision	Cold Reduced Steel Wire Fabric For Concrete Reinforcement Specification Third Revision

	of: IS 1566:1982	
2	CED 54 (27899) Revision of: IS 13620:1993	Fusion Bonded Epoxy Coated Reinforcing Bars Specification First Revision
3	CED 54 (28153)	Textile Reinforcement for Use in Concrete Specification

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

Draft Standards Completed WC Stage		
Sl. No.	Doc No.	Title
1	CED 54 (27399)	Reinforcing Bars for Structural Concrete Specifications Part 1 Ribbed Steel Bars

Finalized Draft Indian Standard		
Sl. No.	Doc No.	Title
1	CED 54 (27102) Amendment of: IS 432:1982	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 Fourth Revision
2	CED 54 (27104) Amendment of: IS 432:1982	Specification for Mild Steel And Medium Tensile Steel Bars and Hard-Drawn Steel Wire for Concrete Reinforcement Part 2 Cold Reduced Steel Wire Fourth Revision

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

Total Published Standards:19	Total Standards Under development:6
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Aspect Wise Report	
Product	: 17
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		
Sl. No.	IS No. & Year	Title
No Records Found		

Annexure-II :List of Indian Product Standards		
Sl. 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 15845-1 ISO 15845-2	Stress - Relieved Low Relaxation Steel Wire for Prestressed Concrete - Specification
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 19068:2025	Continuous hot-dip galvanized steel bars for concrete reinforcement - Specification
13	IS 2090:1983 Reviewed In : 2020 ISO 6944-5	Specification for High Tensile Steel Bars Used in Prestressed Concrete First Revision
14	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
15	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
16	IS 6003:2010 Reviewed In : 2021	Indented Wire For Prestressed Concrete - Specification Second Revision
17	IS 6006:2014 Reviewed In : 2024 ISO 6944-4	Uncoated Stress Relieved Strand for Prestressed Concrete - Specification Second Revision