

BUREAU OF INDIAN STANDARDS

Program of Work

CED 38 : Special Structures

Scope: STANDARDIZATION IN THE FIELD OF DESIGN OF SPECIAL STRUCTURES SUCH AS CHIMNEYS, BINS AND SILOS, SHELL STRUCTURES, OVERHEAD WATER TANKS, COOLING TOWERS, SPACE STRUCTURES, COMPOSITE CONSTRUCTION, ETC, CONSISTING OF REINFORCED AND PRESTRESSED CONCRETE, HANDBOOKS RELATING TO SPECIAL STRUCTURES.

Liaison:

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 11384:2022	Composite Construction in Structural Steel and Concrete - Code of Practice		-	
2	IS 11504:2020	Criteria for Structural Design of Reinforced Concrete Natural Draught Cooling Towers (First Revision)	-	-	Indigenous
3	IS 11682:1985 <i>Reviewed In : 2022</i>	Criteria for design of rcc staging for overhead water tanks	April, 2022	-	Indigenous
4	IS 16700:2023	Criteria for Structural Safety of Tall Concrete Buildings		1	Indigenous
5	IS 18705:2024	Thermo-Hydraulic Design of Natural Draught Counter Flow Cooling Towers-Guidelines		-	Indigenous
6	IS 18758:2024	Thermo-Hydraulic Design of Induced Draught Counterflow Cooling Towers - Guidelines		-	Indigenous
7	IS 2210:2023	Criteria for Design of Reinforced Concrete Shell Structures and Folded Plates		-	Indigenous
8	IS 3935:1966 <i>Reviewed In : 2022</i>	Code of practice for composite construction	April, 2022	-	
9	IS 4090:1967 <i>Reviewed In : 2022</i>	Criteria for the design of reinforced concrete arches	April, 2022	-	Indigenous
10	SP 43:1987	Handbook on Structures with Reinforced Concrete Portal Frames (Without Cranes)		-	
11	IS 4995 (Part 1):1974 <i>Reviewed In : 2022</i>	Criteria for design of reinforced concrete bins for the storage of granular and powdery materials: Part 1 general requirements and assessment of bin loads (First Revision)	April, 2022	1	Indigenous
12	IS 4995 (Part	Criteria for design of reinforced	April, 2022	1	Indigenous

	2):1974 Reviewed In : 2022	concrete bins for storage of granular and powdery materials: Part 2 design criteria (First Revision)			
13	IS 4998:2015 Reviewed In : 2020	Design of reinforced concrete chimneys - Criteria (Third Revision)	December, 2020	1	Indigenous
14	IS 6533 (Part 1):1989 Reviewed In : 2021	Design and Construction of Steel Chimneys - Code of Practice: Part 1 Mechanical Aspects (First Revision)	January, 2021	1	
15	IS 6533 (Part 2):1989 Reviewed In : 2022	Code of Practice for Design and Construction of Steel Chimneys: Part 2 Structural Aspects (First Revision)	December, 2022	1	
16	IS 9178 (Part 1):1979 Reviewed In : 2021	Criteria for design of steel bins for storage of bulk materials: Part 1 general requirements and assessment of loads	January, 2021	2	Indigenous
17	IS 9178 (Part 2):1979 Reviewed In : 2021	Criteria for design of steel bins for storage of bulk materials: Part 2 design criteria	January, 2021	-	Indigenous
18	IS 9178 (Part 3):1980 Reviewed In : 2021	Criteria for Design of Steel Bins for Storage of Bulk Materials - Part 3 : Bins Designed for Mass Flow and Funnel Flow	January, 2021	1	

Standards under Development

Projects Approved

Sl. No.	Doc No.	Title
No Records Found		

Preliminary Draft Standards

Sl. No.	Doc No.	Title
1	CED 38 (28578) Revision of: IS 4995:1974	Criteria for the design of reinforced concrete bins for the storage of granular and powdery materials Second Revision of IS 4995

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 38 (26910)	Criteria for the design of reinforced concrete arches

Finalized Draft Indian Standard

Sl. No.	Doc No.	Title
1	CED 38 (26928) Revision of: IS 11682:1985	Criteria for Design of Reinforced Concrete Staging for Elevated Liquid Storage Tanks

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
No Records Found		

Total Published Standards:16 Total Standards Under development:3

Aspect Wise Report

Product : 0

Code of Practices : 11

Methods of Test : 0

Terminology : 0

Dimensions : 0

System Standard : 0

Safety Standard : 0

Others : 7

Service Specification : 0

Process Specification : 0

Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 4998 (Part 1):1992 Reviewed In : 2012	Criteria for design of reinforced concrete chimneys Part 1 Assessment of loads

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
No Records Found		