BUREAU OF INDIAN STANDARDS

Program of Work

CED 55 : Sieves, Sieving And Other Sizing Methods

Scope: STANDARDIZATION PERTAINING TO SIZE, CLASSIFICATION FOR SOLID PARTICULATE MATERIALS INCLUDING METHODS AND METHODS OF TEST, EQUIPMENT AND MATERIALS OF EQUIPMENT.

Liaison: **ISO TC-24 (O):** *Particle characterization including sieving* **ISO TC-24 SC-4 (O):** *Particle characterization* **ISO TC-24 SC-8 (P):** *Test sieves, sieving and industrial screens* **ISO TC-24 (O):** *Particle characterization including sieving* **ISO TC-24 SC-4 (O):** *Particle characterization* **ISO TC-24 SC-8 (P):** *Test sieves, sieving and industrial screens*

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10483:1983 ISO/DIS 7806 Reaffirmed but not taken up for revision ISO/DIS 7806	Code For Designating Perforations Of Industrial Plate Sieves (identical With Iso/dis 7806)	June, 2020	-	Identical under dual numbering
2	IS 1568:1970	Specification for wire cloth for general purposes (First Revision)	June, 2023	-	Indigenous
3	IS 1607:2013 ISO 2591-1:1988	Methods of test sieving (Second Revision)	March, 2023	-	Modified/Technically Equivalent
4	IS 18061:2023	Selection of Aperture Size Percentage Open Area and Wire Diameter Combination for Industrial Screens - Guidelines		-	Indigenous
5	IS 18084:2023	Sample Preparation Dispersing Procedures for Powders in Liquids		-	Indigenous
6	IS 18139 (Part 1):2023	Industrial Screen Specification Part 1 Woven Wire Cloth Screen		-	Indigenous
7	IS 18139 (Part 2):2023	Industrial Screen Specification Part 2 Wire screen		-	Indigenous
8	IS 18139 (Part 3):2023	Industrial Screens Specifications Part 3 Perforated Plate Screen		-	Indigenous
9	IS 18657 (Part 1):2024 ISO 9276-1 :1998 ISO 9276-1 :1998	Representation of Results of Particle Size Analysis Part 1 Graphical Representation		-	Identical under dual numbering
10	IS 18657 (Part 2):2024 ISO 9276-2 :2014 ISO 9276-2 :2014	Representation of Results of Particle Size Analysis Part 2 Calculation of Average Particle SizesDiameters and Moments from		-	Identical under dual numbering

		Particle Size Distributions			
11	IS 18657 (Part 3):2024 ISO 9276-3 :2008 ISO 9276-3 :2008	Representation of Results of Particle Size Analysis Part 3 Adjustment of an Experimental Curve to a Reference Model		-	Identical under dual numbering
12	IS 18657 (Part 4):2024 ISO 9276-4 :2001 ISO 9276-4 :2001	Representation of Results of Particle Size Analysis Part 4 Characterization of a Classification Process		-	Identical under dual numbering
13	IS 18657 (Part 5):2024 ISO 9276-5 :2005 ISO 9276-5 :2005	Representation of Results of Particle Size Analysis Part 5 Methods of Calculation Relating to Particle Size Analyses Using Logarithmic Normal Probability Distribution		-	Identical under dual numbering
14	IS 18657 (Part 6):2024 ISO 9276-6 :2008 ISO 9276-6 :2008	Representation of Results of Particle Size Analysis Part 6 Descriptive and Quantitative Representation of Particle Shape and Morphology		-	Identical under dual numbering
15	IS 18659 (Part 1):2024 ISO 13318-1:2001 ISO 13318-1:2001	Determination of Particle Size Distribution by Centrifugal Liquid Sedimentation Methods Part 1 General Principles and Guidelines		-	Identical under dual numbering
16	IS 18659 (Part 2):2024 ISO 13318-2:2007 ISO 13318-2:2007	Determination of Particle Size Distribution by Centrifugal Liquid Sedimentation Methods Part 2 Photocentrifuge Method		-	Identical under dual numbering
17	IS 18659 (Part 3):2024 ISO 13318-3:2004 ISO 13318-3:2004	Determination of Particle Size Distribution by Centrifugal Liquid Sedimentation Methods Part 3 Centrifugal X-Ray Method		-	Identical under dual numbering
18	IS 2405 (Part 1):2023	Industrial Sieves Specification Part 1 Wire Cloth Sieves		-	Indigenous
19	IS 2405 (Part 2):2023	Industrial Sieves Specification Part 2 Wire Sieves		-	Indigenous
20	IS 2405 (Part 3):2023	Industrial Sieves Specification Part 3 Perforated Plate Sieve		-	Indigenous
21	IS 3150:1982	Hexagonal Wire Netting for General Purposes	June, 2023	1	
22	IS 4124:1981 ISO 26824:2014	Glossary of terms relating to powders (First Revison)	June, 2020	-	Not Equivalent
23	IS 460 (Part 1):2020	Test Sieves — Specification Part 1 Wire Cloth Test Sieves (Fourth Revision)	-	-	Indigenous
24	IS 460 (Part 2):2020	Test Sieves — Specification Part 2 Perforated Plate Test Sieves (Fourth Revision)	-	-	Indigenous
25	IS 460 (Part 3):2020	Test Sieves — Specification Part 3 Methods of Examination of Apertures of Test Sieves (Fourth Revision)	-	-	Indigenous
26	IS 4879:2023	Particulate Materials Sampling and Sample Splitting Technique		-	Indigenous
27	IS 4961:2022	Determination of Particle Size of Powders by Air Elutriation		-	Indigenous

		Methods			
28	IS 5257:1969	Specification for eyepiece and screen graticules for determination of particle size of powders	June, 2020	-	Indigenous
29	IS 5258:1969	Determination of particle size of powders by optical microscope method	June, 2020	-	Indigenous
30	IS 5282:1969 ISO 14417-1:2001 ISO 14417-2:2001 ISO 14417-4:2001	Liquid sedimentation methods for determination of particle size of powders	June, 2020	-	Not Equivalent
31	IS 5282 (Part 1):2023	Determination of Particle Size Distribution by Gravitational Liquid Sedimentation Methods Part 1 General Principles and Guidelines		-	Indigenous
32	IS 5282 (Part 2):2023	Determination of Particle Size Distribution by Gravitational Liquid Sedimentation Methods Part 2 Fixed Pipette Method		-	Indigenous
33	IS 5282 (Part 3):2023 ISO 10993-12 : 2021	Determination of Particle Size Distribution By Gravitational Liquid Sedimentation Methods Part 3 X-Ray Gravitational Technique		-	Identical under single numbering
34	IS 5282 (Part 4):2023	Determination of Particle Size Distribution by Gravitational Liquid Sedimentation Methods Part 4 Balance Method		-	Indigenous
35	IS 5421:2026 ISO 2495:1990	Glossary of Terms Relating to Test Sieves and Test Sieving (Third Revision of IS 5421)		-	Modified/Technically Equivalent
36	IS 5742:2022	Glossary of Terms Relating to Industrial Screen and Screening		-	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
No Records Found		

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	CED 55 (12450) Revision of: IS 460:2020	Test Sieves Specification Part 2 Perforated Plate Test Sieves
2	CED 55 (12451) Revision of: IS 460:2020	Test Sieves Specification Part 3 Method of Examination of Apertures of test sieves
3	CED 55 (12453) Revision of: IS 460:2020	Test Sieves Specification Part 1 Wire Cloth Test Sieves
4	CED 55 (17613) Revision of: IS 5742:1970	Glossary of Terms Relating to Industrial Screen and Screening
5	CED 55 (17657) Revision of: IS 4961:1968	Determination of Particle Size of Powders by Air Elutriation Methods
6	CED 55 (18396) Revision of: IS 5282:1969	Determination of Particle Size Distribution by Gravitational Liquid Sedimentation Methods Part 1 General Principles and Guidelines
7	CED 55 (18397) Revision of: IS 5282:1969	Determination of Particle Size Distribution by Gravitational Liquid Sedimentation Methods Part 2 Fixed Pipette Method
8	CED 55 (18398) Revision of: IS 5282:1969	Determination of Particle Size Distribution By Gravitational Liquid Sedimentation Methods Part 3 X-Ray Gravitational Technique
9	CED 55 (18399) Revision of: IS 5282:1969	Determination of Particle Size Distribution by Gravitational Liquid Sedimentation Methods Part 4 Balance Method
10	CED 55 (18638) Revision of: IS 4879:1968	Particulate Materials Sampling and Sample Splitting Technique
11	CED 55 (18644)	Sample Preparation Dispersing Procedures for Powders in Liquids
12	CED 55 (18913)	Industrial Screen Specification Part 1 Woven Wire Cloth Screen
13	CED 55 (18914)	Industrial Screen Specification Part 2 Wire screen
14	CED 55 (18915)	Selection of Aperture Size Percentage Open Area and Wire Diameter Combination for Industrial Screens - Guidelines
15	CED 55 (18919)	Industrial Screens Specifications Part 3 Perforated Plate Screen
16	CED 55 (20139) Revision of: IS 2405:1980	Industrial Sieves Specification Part 1 Wire Cloth Sieves
17	CED 55 (20141) Revision of: IS 2405:1980	Industrial Sieves Specification Part 2 Wire Sieves
18	CED 55 (20142)	Industrial Sieves Specification Part 3 Perforated Plate Sieve
19	CED 55 (23207)	Representation of Results of Particle Size Analysis Part 1 Graphical Representation
20	CED 55 (23208)	Representation of Results of Particle Size Analysis Part 2 Calculation of Average Particle SizesDiameters and Moments from Particle Size Distributions
21	CED 55 (23209)	Representation of Results of Particle Size Analysis Part 3 Adjustment of an Experimental Curve to a Reference Model
22	CED 55 (23211)	Representation of Results of Particle Size Analysis Part 4 Characterization of a Classification Process
23	CED 55 (23212)	Representation of Results of Particle Size Analysis Part 5 Methods of Calculation Relating to Particle Size Analyses Using Logarithmic Normal Probability Distribution
24	CED 55 (23213)	Representation of Results of Particle Size Analysis Part 6 Descriptive and Quantitative Representation of Particle Shape and Morphology
25	CED 55 (23758)	Determination of Particle Size Distribution by Centrifugal Liquid Sedimentation Methods Part 1 General Principles and Guidelines
26	CED 55 (23759)	Determination of Particle Size Distribution by Centrifugal Liquid Sedimentation Methods Part 2 Photocentrifuge Method
27	CED 55 (23760)	Determination of Particle Size Distribution by Centrifugal Liquid Sedimentation Methods Part 3 Centrifugal X-Ray Method
28	CED 55 (28685) Revision of: IS 5421:2013	Glossary of Terms Relating to Test Sieves and Test Sieving Third Revision of IS 5421
29	CED 55 (33622)	SPECIFICATION FOR HEXAGONAL WIRE NETTING FOR GENERAL PURPOSES

30	CED 55 (35048)	Glossary of terms relating to powders SecondRevison
31	CED 55 (35051)	Wire Cloth for General Purposes Specification Second Revision

Total Published Standards:36 Total Standards Under development:31

Aspect Wise Report

Product : 13
Code of Practices : 7
Methods of Test : 8
Terminology : 7
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
1	IS 5742 (Part 2):1970	Terms and symbols for sieve bottoms Part 2 perforated plates

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 1568:1970	Specification for wire cloth for general purposes First Revision
2	IS 18061:2023	Selection of Aperture Size Percentage Open Area and Wire Diameter Combination for Industrial Screens - Guidelines
3	IS 18139 (Part 3):2023	Industrial Screens Specifications Part 3 Perforated Plate Screen
4	IS 18139 (Part 1):2023	Industrial Screen Specification Part 1 Woven Wire Cloth Screen
5	IS 18139 (Part 2):2023	Industrial Screen Specification Part 2 Wire screen
6	IS 2405 (Part 1):2023	Industrial Sieves Specification Part 1 Wire Cloth Sieves
7	IS 2405 (Part 2):2023	Industrial Sieves Specification Part 2 Wire Sieves
8	IS 2405 (Part 3):2023	Industrial Sieves Specification Part 3 Perforated Plate Sieve
9	IS 3150:1982	Hexagonal Wire Netting for General Purposes
10	IS 460 (Part 3):2020	Test Sieves Specification Part 3 Methods of Examination of Apertures of Test Sieves Fourth Revision
11	IS 460 (Part 1):2020	Test Sieves Specification Part 1 Wire Cloth Test Sieves Fourth Revision
12	IS 460 (Part 2):2020	Test Sieves Specification Part 2 Perforated Plate Test Sieves Fourth Revision
13	IS 5257:1969	Specification for eyepiece and screen graticules for determination of particle size of powders