

## 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 <b>ISO/DIS 7806</b>	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 <b>ISO 2591-1:1988</b>	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 <b>ISO 9276-1 :1998</b>	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 <b>ISO 9276-2 :2014</b>	Representation of Results of Particle Size Analysis Part 2 Calculation of Average Particle Sizes Diameters 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 Revision)	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 gratitudes 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 5421:2013 ISO 2495:1990	Glossary of terms relating to test sieves and test sieving (Second Revision)	February, 2023	-	Modified/Technically Equivalent
37	IS 5742:2022	Glossary of Terms Relating to Industrial Screen and Screening		-	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
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No Records Found

### Finalized Draft Indian Standard

Sl. No.	Doc No.	Title
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No Records Found

### Finalized Draft Indian Standards under Print

Sl. 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 Sizes Diameters 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	Glossary of Terms Relating to Test Sieves and Test Sieving Third Revision of IS 5421

	of: IS 5421:2013	
29	CED 55 (33622)	SPECIFICATION FOR HEXAGONAL WIRE NETTING FOR GENERAL PURPOSES

**Total Published Standards:36 Total Standards Under development:29**

### 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

