# 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<br>ISO/DIS 7806<br>Reviewed In : 2020<br>Reaffirmed but not taken up for revision<br>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<br>Reviewed In : 2023 | Specification for wire cloth for general purposes (First Revision) | June, 2023 | 1 | Indigenous |
| 3 | IS 1607:2013<br>Reviewed In : 2023<br>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<br>ISO 9276-1 :1998<br>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<br>ISO 9276-2 :2014 | Representation of Results of Particle Size Analysis Part 2 Calculation of Average Particle | | - | Identical under dual numbering |

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|---|---|---|---|---|---|
| | ISO 9276-2 :2014 | SizesDiameters and Moments from Particle Size Distributions | | | |
| 11 | IS 18657 (Part 3):2024<br>ISO 9276-3 :2008<br>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<br>ISO 9276-4 :2001<br>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<br>ISO 9276-5 :2005<br>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<br>ISO 9276-6 :2008<br>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<br>ISO 13318-1:2001<br>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<br>ISO 13318-2:2007<br>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<br>ISO 13318-3:2004<br>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<br>Reviewed In : 2023 | Hexagonal Wire Netting for General Purposes | June, 2023 | 1 | |
| 22 | IS 4124:1981<br>Reviewed In : 2020<br>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 |

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|---|---|---|---|---|---|
| 27 | IS 4961:2022 | Determination of Particle Size of Powders by Air Elutriation Methods | | - | Indigenous |
| 28 | IS 5257:1969<br>Reviewed In : 2020 | Specification for eyepiece and screen graticules for determination of particle size of powders | June, 2020 | - | Indigenous |
| 29 | IS 5258:1969<br>Reviewed In : 2020 | Determination of particle size of powders by optical microscope method | June, 2020 | - | Indigenous |
| 30 | IS 5282:1969<br>Reviewed In : 2020<br>ISO 14417-1:2001<br>ISO 14417-2:2001<br>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<br>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 5421:2013<br>Reviewed In : 2023<br>ISO 2495:1990 | Glossary of terms relating to test sieves and test sieving (Second Revision) | February, 2023 | - | 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 | Glossary of Terms Relating to Test Sieves and Test Sieving Third Revision of IS 5421 |

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

**Total Published Standards:27 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<br>Reviewed In : 2018 | 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<br>Reviewed In : 2023 | 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 1):2023 | Industrial Screen Specification Part 1 Woven Wire Cloth Screen |
| 4 | IS 18139 (Part 2):2023 | Industrial Screen Specification Part 2 Wire screen |
| 5 | IS 18139 (Part 3):2023 | Industrial Screens Specifications Part 3 Perforated Plate 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<br>Reviewed In : 2023 | Hexagonal Wire Netting for General Purposes |
| 10 | IS 460 (Part 1):2020 | Test Sieves Specification Part 1 Wire Cloth Test Sieves Fourth Revision |
| 11 | IS 460 (Part 2):2020 | Test Sieves Specification Part 2 Perforated Plate Test Sieves Fourth Revision |
| 12 | IS 460 (Part 3):2020 | Test Sieves Specification Part 3 Methods of Examination of Apertures of Test Sieves Fourth Revision |
| 13 | IS 5257:1969<br>Reviewed In : 2020 | Specification for eyepiece and screen graticules for determination of particle size of powders |