

## APPENDIX III.1

## SPECIFICATION FOR TEST SIEVES

(Ref: IS:460 - 1962)

| Indian Standard Sieve Series<br>Width of<br>apertures<br>(mm) | Sieve<br>designation | British<br>Standard<br>Sieve Series<br>B.S. 410-1962<br>Mesh No. | United States<br>Standard Sieve<br>Series A.S.T.M.E.<br>11-61<br>Mesh No. |
|---------------------------------------------------------------|----------------------|------------------------------------------------------------------|---------------------------------------------------------------------------|
| 5.60                                                          | 5.60 mm              | -                                                                | 3½                                                                        |
| 4.75                                                          | 4.75 mm              | -                                                                | 4                                                                         |
| 4.00                                                          | 4.00 mm              | -                                                                | 5                                                                         |
| 3.35                                                          | 3.35 mm              | 5                                                                | 6                                                                         |
| 2.80                                                          | 2.80 mm              | 6                                                                | 7                                                                         |
| 2.36                                                          | 2.36 mm              | 7                                                                | 8                                                                         |
| 2.00                                                          | 2.00 mm              | 8                                                                | 10                                                                        |
| 1.20                                                          | 1.70 mm              | 10                                                               | 12                                                                        |
| 1.40                                                          | 1.40 mm              | 12                                                               | 14                                                                        |
| 1.18                                                          | 1.18 mm              | 14                                                               | 16                                                                        |
| 1.00                                                          | 1.00 mm              | 16                                                               | 18                                                                        |
|                                                               | microns              |                                                                  |                                                                           |
| 0.850                                                         | 850                  | 18                                                               | 20                                                                        |
| 0.710                                                         | 710                  | 22                                                               | 25                                                                        |
| 0.600                                                         | 600                  | 25                                                               | 30                                                                        |
| 0.500                                                         | 500                  | 30                                                               | 35                                                                        |
| 0.425                                                         | 425                  | 36                                                               | 40                                                                        |
| 0.355                                                         | 355                  | 44                                                               | 45                                                                        |
| 0.300                                                         | 300                  | 52                                                               | 50                                                                        |
| 0.250                                                         | 250                  | 60                                                               | 60                                                                        |
| 0.212                                                         | 212                  | 72                                                               | 70                                                                        |
| 0.180                                                         | 180                  | 85                                                               | 80                                                                        |
| 0.150                                                         | 150                  | 100                                                              | 100                                                                       |
| 0.125                                                         | 125                  | 120                                                              | 120                                                                       |
| 00.106                                                        | 106                  | 150                                                              | 140                                                                       |
| 0.090                                                         | 90                   | 170                                                              | 170                                                                       |
| 0.075                                                         | 75                   | 200                                                              | 200                                                                       |
| 0.063                                                         | 63                   | 240                                                              | 230                                                                       |
| 0.053                                                         | 53                   | 300                                                              | 270                                                                       |
| 0.045                                                         | 45                   | 350                                                              | 325                                                                       |