

Para 3.2.5 Flow Assumption:

The flow in sewers varies considerably from hour to hour and also seasonally, but for the purposes of hydraulic design it is the estimated peak flow that is adopted.

The peak factor or the ratio of maximum to average flows, depend upon contributory population and the following values are recommended.

Contributory population	Peak Factor
Upto 20,000	3.0
20,000 to 50,000	2.5
50,000 to 7,50,000	2.25
Above 7,50,000	2.00

The peak factors also depend upon the density of population, topography of the site, hours of water supply and therefore it is desirable to estimate the same in individual cases, if required. The minimum flow may vary from $\frac{1}{3}$ to $\frac{1}{2}$ of average flow.