

**2.3** Reface to be made to the following table to conform wind speed with codes other than ASCE7.

Mean Recurrence interval (years)	Effective Wind speed ( m/s, 10m, open terrain)		
	3 Second Gust	1o-minute Mean	Mean Hourly
10	28	19.5	18.4
25	30	20.9	19.7
50	36	25	23.6
100	39	27.1	25.6
700	45	31.3	29.5
1700	48	33.4	31.5
3000	50	34.8	32.8

**2.4** In all cases, the wind design load shall not be less than 1kN/m<sup>2</sup> when designing steel buildings and structures.

**2.5** Wind loads to be taken from wind tunnel model for buildings with height of 120m above the level of regular buildings. Building with unusual shapes and containing curved and sharp formations in the facades, wind tunnel model shall be made regardless of the height of the building.

**2.6** Damping factor for concrete buildings shall be defined based on studies submitted by the engineering consultant and the wind tunnel testing consultant and it shall be within the values mentioned in the following table:

Loads	Damping Factor	
	Concrete buildings	Steel buildings
Service loads	1% - 2%	0.75% - 1%
Strength loads	1.5% - 2.5%	1% - 1.5 %

### **3. Thermal Loads:**

Thermal loads shall be considered based on the following table: