

# HOW MANY VENTILATING FAN YOU NEED ???

$$\text{No. of Ventilating fan} = \frac{\text{Room size (m}^3\text{)} \times \text{Necessary frequency of ventilation per Hour (n)}}{\text{Air Volume of ventilating fan CMH}}$$

CMH = (m<sup>3</sup> /hr)

Type of building and room		Necessary frequency of ventilating per hour (n)
<b>HOUSE</b>	Kitchen	15
	Bathroom , Toilet	10
	Living room , bed room	6
<b>OFFICE</b>	Office	6
	Conference room	12
<b>FACTORY</b>	office	6
	Painting room	20
<b>RESTAURANT</b>	Restaurant	6
	Kitchen	20
<b>HOTEL</b>	Dining Hall	8
	Hallway	5
	Kitchen	15
	Toilet	5
	Laundry	15
<b>HOSPITAL</b>	Waiting room	10
	Clinic ,Ward	6
	Operating room	15
<b>SCHOOL</b>	Laboratory, Auditorium , Classroom	6
	Cooking room	15
	Gynasium	8
	Toilet	12
<b>PHOTO STUDIO</b>	Darkroom	10