



## NOISE POLLUTION

Noise can be defined as wrong sound in wrong place at wrong time. Sound at undesirable level creates pollution because it causes discomfort to the people. There are two basic properties of sound i.e. loudness and frequency. Loudness is strength of sensation of sound perceived by individual and is measured in terms of decibel, whereas frequency of sound defined as number of vibrations per second and measured as hertz (Hz).

Human ear is sensitive to frequency between 20-20000 Hz. whereas best range of hearing is 2000-10000 Hz

### Sources of Noise Pollution

Major sources of noise pollution are industries, transportation, and community, religious and cultural activities. Loudspeaker and amplifiers used in different occasions is another source of noise pollution

### Effects of Noise Pollution

Noise pollution is harmful to body and mind.

It causes irritation and headache.

It may cause number of physiological disorders like neurosis anxiety, insomnia, hipper tension, behaviour and emotional stress.

### Control of Noise Pollution

Eliminate the noise at source by use of silencing devises.

Control the noise transmission level using sound absorbers and acoustic tiles.

Using self-precaution measures such as ear plugs and earmuffs.

Creating buffer zone between high noise level zone and residential areas by afforestation.

Taking strict statutory measure to govern the noise level in sensitive areas like schools, hospitals, etc