Envirotech
We Care for Better Air

WM 271

The fourth generation of Wind Monitoring systems produced by Envirotech Instruments PVT LTD .

Mathematical modeling to predict airquality implications is also becoming a vital tool to select appropriate development policies, project sites, green belts and buffer zones etc. Such prediction of likely ground-level concentration would also be needed from existing industries seeking clearance for expansion and /or process change. No air quality or pollutant-dispersion modeling is possible without reliable information on the local wind trends and stability conditions at different times of the day and seasons of the year. Envirotech Wind Monitoring Systems have been used for past several years all over the country by consultants, industry and researchers to generate micro-meteorological data. Feedback from this large body of users has often led to system upgrades.

NEED

Reliable information of wind movements is a critical requirement for air quality management. Polluting gases and SPM released from elevated industrial stacks disperse by a variety of mechanisms and by the time the pollutants reach ground level theirconcentration is reduced to a fraction of the emitted level. The extent of dispersion and the resultant ground level concentration (GLC) depends upon ocal meteorological parameters like wind speed, wind direction, atmospheric turbulence or stability and the mixing Assessment of GLC's and Thenlikely impact on the local environment can only be made after obtaining reliable local wind data. wind data. WM 271 fulfils all the requirements of meteorological data.