

AIR QUALITY EARLY WARNING SYSTEM FOR DELHI

(Source – IITM)

1. As per EWS AQ forecast, the air quality is likely to remain in the lower end of very poor category on 08.01.2019 and likely to improve further on 09.01.2019 and remain in Very Poor to Poor category. The Air Quality is likely to deteriorate marginally on 10.01.2019 and reach in the upper end of very poor category.
2. The predominant wind is coming from west direction in Delhi on 08.01.2019 with wind speed upto 15 kmph, moderate to dense fog in the morning, partly cloudy sky and haze/ smoke in the afternoon. The predominant wind is likely to be coming from Northwest direction on 09.01.2019 with wind speed upto 15 kmph, clear sky with moderate fog in the morning and haze/ smoke thereafter. Predominant wind is likely to be coming from Northwest direction of Delhi on 10.01.2019 with wind-speed up to 04 kmph, clear sky with dense to very dense fog in morning and haze/ smoke therefore.
3. Predicted maximum mixing depth is likely to be approx. 1100 m on 08.01.2019, 1000 m on 09.01.2019 and 1050 m on 10.01.2019 over Delhi. The maximum ventilation index is likely to be 5000 m²/s on 08.01.2019, 5500 m²/s on 09.01.2019 and 3500 m²/s on 10.01.2019. The ventilation index lower than 6000 m²/s with average wind speed less than 10 kmph is unfavorable for dispersion of pollutants.
4. Long range transport of dust is not expected over Delhi and NW India.
5. Location specific AQ forecast can be seen at safar.tropmet.res.in.