SAFAR-India (Delhi)
Indian Institute of Tropical Meteorology, Pune
Ministry of Earth Sciences

Air Quality Forecast-DELHI CITY
(ISUED on 06th January 2019)

SUMMARY

SAFAR-AIR QUALITY FORECAST-2019:
OVERALL AIR QUALITY OVER DELHI IS *"VERY POOR"*. THE LAST NIGHT RAINFALL ALONG WITH SUFFICIENT WIND SPEED WAS ENOUGH TO WASH AWAY AIR POLLUTANTS UPTO AN EXTENT AND IMPROVED THE AQI. AIR QUALITY IS LIKELY TO FURTHER IMPROVE MUCH FASTER DURING THE DAY AS MODERATE SURFACE WIND SPEED IS POSITIVELY WORKING TO DISPERSE POLLUTANTS WHICH IS THE KEY FACTOR NOW TO KEEP POLLUTION IN CHECK UNDER COOL AND FOGGY WEATHER CONDITIONS. HOWEVER, RESPITE IS EXPECTED NOT TO LAST LONGER THAN 2 DAYS AS RELATIVE HUMIDITY IS VERY HIGH AND TEMPERATURE IS LIKELY TO DROP FURTHER WHICH WILL FORCE BOUNDARY LAYER TO COME DOWN AND WILL HOLD POLLUTANTS NEAR THE SURFACE. MODERATE FOGGY CONDITIONS DUE TO RADIATION FOG WILL PREVAIL FOR NEXT 2 DAYS OVER DELHI. AQI WILL START TO INCREASE GRADUALLY FROM TUESDAY BUT WILL CONTINUE TO REMAIN IN VERY POOR RANGE.

PARAMETERS AT A GLANCE

- **MOISTURE IN AIR**: Air holding capacity High
- **IMPACT OF FOG**: Moderate – Unfavourable
- **RELATIVE HUMIDITY**: High – Unfavourable
- **SURFACE WIND SPEED**: Good (5.4 kmph) – Favourable for dispersion
- **SURFACE WIND DIRECTION**: Westerlies – Moderately moist
- **INVERSION LAYER HEIGHT**: Moderate
- **VENTILATION COEFF (IMPACT)**: –Moderate
- **TEMPERATURE**: No additional Cooling
- **LONG DISTANCE DUST IMPACT**: Nil
- **STUBBLE BURNING IMPACT**: Nil