



Dated: 13 November 2018

PRESS RELEASE

Subject: Weather Conditions over North West India

Current Weather Situations

- A western disturbance as an upper air cyclonic circulation lies over North Pakistan and adjoining Jammu & Kashmir.
- An induced cyclonic circulation lies over central Pakistan and adjoining Northwest Rajasthan and Punjab.

Weather Forecast for next 48 hrs.:

- Light/Moderate Rain/Snow would occur at many places over Jammu & Kashmir, Himachal Pradesh and at a few places over Uttarakhand till tomorrow.
- Light Rain/Thundershowers would also occur over Punjab, North-Rajasthan, Haryana and West-Uttar Pradesh.

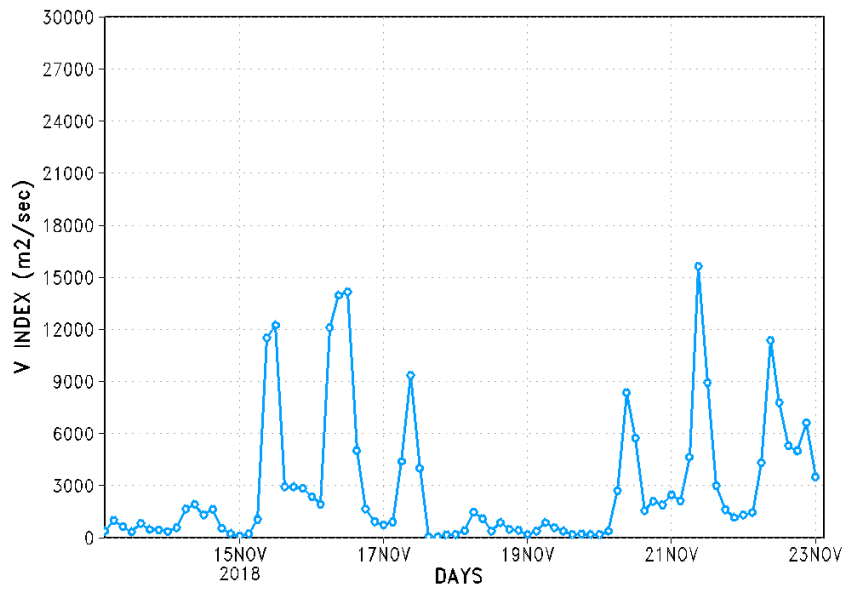
Weather Forecast for Delhi NCR:

- Light rain at a few places.
- Winds of the order of 4-6 kmph are likely with Easterly/Southerly component till tomorrow.
- North-Westerly winds of the order of 10-15 kmph during 15-17 November.
- Analysis of IMD's high resolution Global Numerical Weather Prediction System products suggests significant increase in the Ventilation Index, Mixing Height and Boundary Layer wind speed from 15 November onwards (**Annexure**).
- The induced cyclonic circulation suggests that atmosphere is likely to be unstable over the region till tomorrow. The atmospheric conditions related to mixing height and Boundary Layer wind speed from 15 November onwards suggests high Ventilation Index. In view of the combined effect of these conditions, the atmospheric conditions would be favourable for mixing of the pollutants, both vertically and horizontally and therefore would result in comparatively improved air quality till 17 November.

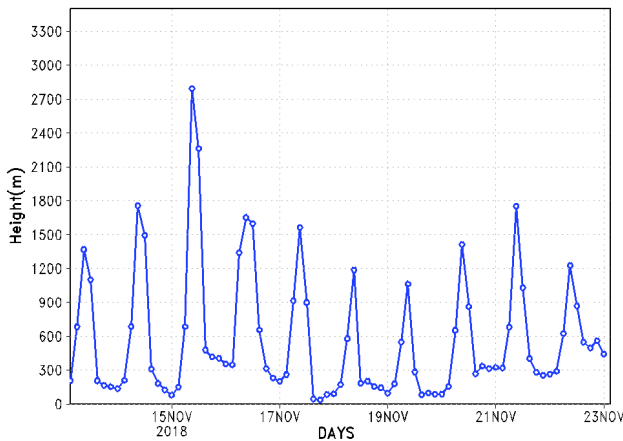


ANNEXURE

IMD GFS(T1534) Ventilation Index (m^2/sec) Forecast
 based on 00 UTC of 13-11-2018 valid for the next 10 DAYS



IMD GFS(T1534) Mixing Height (m) Forecast
 based on 00 UTC of 13-11-2018 valid for the next 10 DAYS



IMD GFS(T1534) PBL Mean wind speed (m/s) Forecast:Delhi
 based on 00 UTC of 13-11-2018 valid for the next 10 DAYS

