



Dated: 04 February 2019

## PRESS RELEASE

**Subject: Heavy Snowfall over the Hills and Hailstorm over plains of Northwest India**

### • Analysis of Weather Conditions

A Western Disturbance as an upper air cyclonic circulation lies over Afghanistan and neighbourhood. The system is associated with a high amplitude westerly trough dipping into north Arabian Sea. Under its influence, an induced cyclonic circulation is likely to form over South Pakistan and adjoining West Rajasthan during next 24 hours. On the other hand, the anti-cyclonic circulation over central India is likely to shift eastwards into the Bay of Bengal. Both the streams will be converging over central India and will bring moisture over to northwest India from Arabian Sea and Bay of Bengal, respectively.

### • Weather Forecast and Warnings

- Widespread rainfall/snowfall would occur over Jammu & Kashmir, Himachal Pradesh and Uttarakhand during 5-7 February.
- Widespread light to moderate rainfall/thundershowers would prevail over Punjab, Haryana and Chandigarh during 5-7 February.
- Scattered to fairly widespread rainfall/thundershowers would also occur over Rajasthan and Uttar Pradesh during the same period.

### • Weather Warnings

- Heavy rainfall/snowfall would occur at a few places over Jammu & Kashmir, Himachal Pradesh and Uttarakhand on 6 & 7 February. Thunderstorm accompanied with isolated hailstorm is very likely in these states.
- Thunderstorm accompanied with gusty winds upto 25-35 kmph and scattered hailstorm is most likely over Punjab, Haryana, Chandigarh and west Uttar Pradesh on 6 & 7 February.
- Isolated thunderstorm and hailstorm activity is very likely over east Uttar Pradesh and Rajasthan during the same period.

**The weather activity is likely to be at its peak on 6 & 7 February over the entire northwest India.**

Detailed forecast and colour code warnings for next 5 days are given in the table.

### • Temperature Forecast

Night temperatures are likely to increase by 3 to 5°C over northwest India during next 3 days and fall by 4 to 5°C after 8 February onwards.

### • Forecast for Prayagraj (Kumbh Mela)

Light to moderate rain/thundershowers with possibility of strong surface winds and isolated hailstorm likely on 6 & 7 February.

### • Forecast for Delhi/NCR











Generally cloudy conditions with light rain/thunderstorm likely to commence from 5 February afternoon/evening. The peak thunderstorm activity would be on 6 & 7 February when widespread light to moderate rainfall/thunderstorm accompanied with strong surface winds (20-25kmph) and isolated hailstorm is most likely over Delhi/NCR.



### 5 DAYS WEATHER FORECAST FOR NORTHWEST INDIA

| S.No. | MET-SUBDIVISION             | 04 Feb | 05 Feb | 06 Feb | 07 Feb | 08 Feb |
|-------|-----------------------------|--------|--------|--------|--------|--------|
| 1.    | Jammu & Kashmir             | FWS    | WS     | WS     | WS     | SCT    |
| 2.    | Himachal Pradesh            | ISOL   | WS     | WS     | WS     | SCT    |
| 3.    | Uttarakhand                 | ISOL   | SCT    | WS     | WS     | SCT    |
| 4.    | Punjab                      | ISOL   | SCT    | WS     | WS     | DRY    |
| 5.    | Haryana, Chandigarh & Delhi | DRY    | SCT    | WS     | WS     | ISOL   |
| 6.    | West Uttar Pradesh          | DRY    | ISOL   | FWS    | FWS    | SCT    |
| 7.    | East Uttar Pradesh          | DRY    | ISOL   | SCT    | FWS    | SCT    |
| 8.    | West Rajasthan              | DRY    | ISOL   | SCT    | SCT    | DRY    |
| 9.    | East Rajasthan              | DRY    | ISOL   | SCT    | SCT    | DRY    |

### 5 DAYS WEATHER WARNING FOR NORTHWEST INDIA

| MET-SUBDIVISION  | 04 Feb  | 05 Feb     | 06 Feb   | 07 Feb   | 08 Feb     |
|------------------|---|------------|--|--|------------|
| Jammu & Kashmir  | NIL   | NIL        | ISOLATED HEAVY TO VERY HEAVY RAIN/SNOW. THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM (JAMMU DIVISION).                 | ISOLATED HEAVY TO VERY HEAVY RAIN/SNOW. THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM (JAMMU DIVISION).                 | NIL        |
|                  | NO WARNING  | NO WARNING |   |                                       | NO WARNING |
| Himachal Pradesh | NIL   | NIL        | ISOLATED HEAVY RAIN/SNOW. THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM.  | HEAVY TO VERY HEAVY RAIN/SNOW AT A FEW PLACES. THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM.                           | NIL        |
|                  | NO WARNING  | NO WARNING |   |                                       | NO WARNING |
| Uttarakhand      | ISOLATED DENSE FOG.   | NIL        | ISOLATED HEAVY RAIN/SNOW. THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM.  | HEAVY RAIN/SNOW AT A FEW PLACES. THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM.   | NIL        |
|                  |  | NO WARNING |   |                                       | NO WARNING |
| Punjab           | ISOLATED DENSE FOG.   | NIL        | ISOLATED HEAVY RAIN/THUNDERSHOWERS WITH GUSTY WINDS OF SPEED 25-35 KMPH. THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM. | ISOLATED HEAVY RAIN/THUNDERSHOWERS WITH GUSTY WINDS OF SPEED 25-35 KMPH. THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM. | NIL        |
|                  |  | NO WARNING |   |                                       | NO WARNING |



| MET-SUBDIVISION             | 04 Feb                               | 05 Feb              | 06 Feb  | 07 Feb  | 08 Feb     |
|-----------------------------|--------------------------------------|---------------------|---|---|------------|
| Haryana, Chandigarh & Delhi | ISOLATED DENSE FOG.                  | NIL                 | ISOLATED HEAVY RAIN/THUNDERSHOWERS WITH GUSTY WINDS OF SPEED 25-35 KMPH. THUNDERSTORM ACCOMPANIED WITH SCATTERED HAILSTORM. | ISOLATED HEAVY RAIN/THUNDERSHOWERS WITH GUSTY WINDS OF SPEED 25-35 KMPH. THUNDERSTORM ACCOMPANIED WITH SCATTERED HAILSTORM. | NIL        |
|                             |                                      | NO WARNING          |   |   | NO WARNING |
| West Uttar Pradesh          | ISOLATED DENSE FOG.                  | NIL                 | THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM.   | THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM.   | NIL        |
|                             |                                      | NO WARNING          |   |   | NO WARNING |
| East Uttar Pradesh          | DENSE FOG AT A FEW PLACES.           | ISOLATED DENSE FOG. | THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM.   | THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM.   | NIL        |
|                             |                                      |                     |   |   | NO WARNING |
| West Rajasthan              | ISOLATED DENSE FOG. (NORTHERN PARTS) | NIL                 | THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM.   | THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM.   | NIL        |
|                             |                                      | NO WARNING          |   |   | NO WARNING |
| East Rajasthan              | ISOLATED DENSE FOG. (NORTHERN PARTS) | NIL                 | THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM.   | THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM.   | NIL        |
|                             |                                      | NO WARNING          |   |   | NO WARNING |

**Legends:**

| SPATIAL DISTRIBUTION                 |                 | (% of Stations reporting)     |         |
|--------------------------------------|-----------------|-------------------------------|---------|
| Widespread (WS/Most Places)          | 76-100          | Scattered (SCT/ A Few Places) | 26-50   |
| Fairly Widespread (FWS/ Many Places) | 51-75           | Isolated (ISOL)               | 1-25    |
| Mainly Dry                           | Very Light Rain | Dry                           | No Rain |

| WARNING                          |  | Probabilistic Forecast |                               |
|----------------------------------|--|------------------------|-------------------------------|
| Most Vigil (Take Action)         |  | Terms                  | Probability of Occurrence (%) |
| Be prepared/updated (Keep Vigil) |  | Unlikely               | < 25                          |
| Be aware (Be updated)            |  | Likely                 | 25 - 50                       |
| No Warning                       |  | Very Likely            | 50 - 75                       |
|                                  |  | Most Likely            | > 75                          |