



Public Weather Bulletin

Thursday, 13th March, 2020
Time of Issue: 1500 hrs IST

Realised Weather (from 0830 hours IST of yesterday to 0830 hours IST of today)

- ◆ **As predicted, Light to moderate Rainfall/Thundershowers observed:** at most places over Jammu & Kashmir and Himachal Pradesh; at many places over Uttarakhand, Punjab, East Uttar Pradesh, Gangetic West Bengal and Jharkhand; at a few places over Bihar, East Madhya Pradesh, Haryana, Chandigarh and Chhattisgarh and at isolated places over West Madhya Pradesh, Vidarbha, West Uttar Pradesh, Odisha, West Rajasthan, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Telangana and Tamilnadu.
- ◆ **Rainfall recorded (4 cm or more):** Hamirpur- 8; Bilaspur, Nadaun, Bharari, Guler, Nagrota Surian, Nurpur and Aghar- 7 each; Phangota, Sujampur Tira- 6 each; Baderwah, Naina Devi, Dharmshala, Baldwara, Kasauli- 5 each; Qazigund, Ranjit Sagar Dam sight, Banihal, Batote, Udampur, Jhandutta, Baijnath, Palampur, Sarkaghat and Umariya- 4 each.
- ◆ **Heavy rainfall** occurred at isolated places over Himachal Pradesh.
- ◆ **Hailstorm observed** at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan (Bhaderwah), Himachal Pradesh (Sundernagar), Uttarakhand (Dehradun), West Rajasthan (Sri Ganganagar), West Uttar Pradesh (Bareilly, Nazibabad), East Uttar Pradesh (Baharaich, Hardoi, Lucknow)

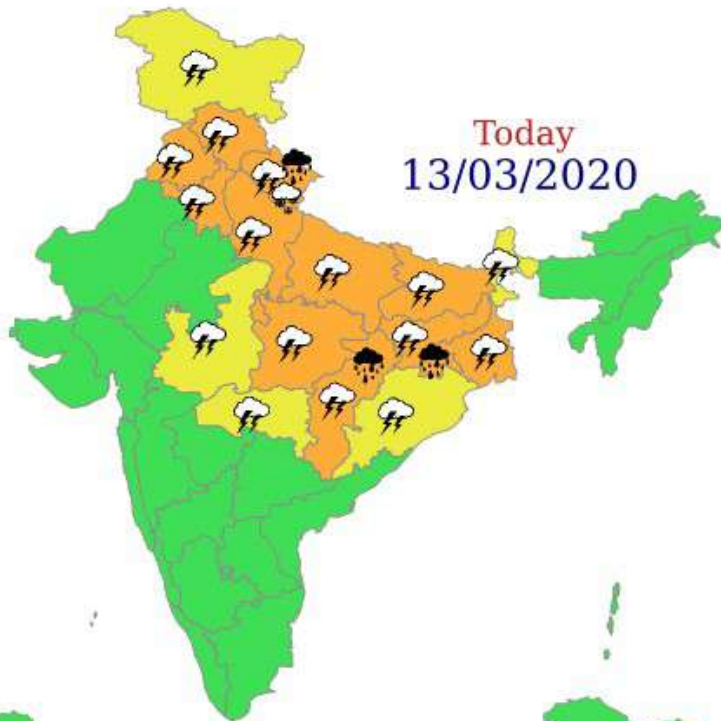
Weather System & Forecast

- ◆ Yesterday's '**Western Depression**' has weakened and now seen as a '**Western Disturbance**' as a cyclonic circulation over North Pakistan extending upto upper tropospheric levels and an induces cyclonic circulation lies over Haryana in lower levels. Under the influence of above system and interaction between mid-level westerlies and lower level easterlies, following weather is expected:
 1. Light to moderate **fairly widespread to widespread rainfall/snowfall** is very likely over Jammu, Kashmir, Ladakh & Gilgit and Baltistan, Himachal Pradesh, Uttarakhand and rainfall over Uttar Pradesh on today, the 13th March and it is very likely to decrease over the region with **scattered to fairly widespread rainfall** on 14th March. **Isolated to scattered rainfall** is also very likely over Punjab and Haryana, Chandigarh & Delhi on today, the 13th March and **significant reduction thereafter**.
 2. **Isolated heavy rainfall/snowfall** is also very likely over Uttarakhand during next 24 hours.
 3. Thunderstorm accompanied **with lightning, hailstorm & squally winds (speed reaching 45-55 kmph occasionally)** at isolated places is very likely over Uttarakhand and with **lightning, hailstorm & gusty winds (speed reaching 30-40 kmph)** over Himachal Pradesh and plains of northwest India during next 24 hours; **with lightning** over Jammu, Kashmir, Ladakh & Gilgit and Baltistan.
- ◆ Due to confluence between westerly winds associated with the Western Disturbance and moist low level easterly wind from Bay of Bengal over central & east India, following weather is expected:
 1. Moderate scattered to fairly widespread rainfall with isolated **thunderstorm, lightning/hail/gusty wind/squally winds (speed reaching 45-55 kmph occasionally)** very likely over East Madhya Pradesh, Chhattisgarh, Jharkhand, Odisha, Bihar and West Bengal & Sikkim during 13th & 14th March. **Isolated heavy falls** are also likely over north Chhattisgarh on 13th March and over Jharkhand on 13th & 14th March.

Legends: Given in last page.

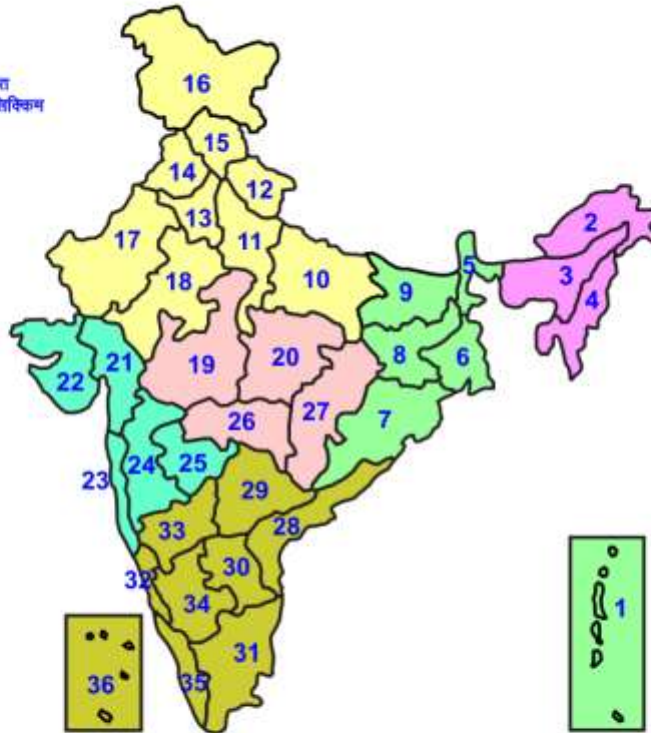
For more details kindly visit IMD website: <https://mausam.imd.gov.in/>

For district level warning, kindly visit website of Meteorological Centres/Regional Meteorological Centres of IMD at state levels.



LEGENDS

- 1 अंडमान और निकोबार द्वीप समुद्र
- 2 अरुणाचल प्रदेश
- 3 असम और मेघालय
- 4 नागालैंड मनीपुर मिजोरम और त्रिपुरा
- 5 उप हिमालय पश्चिम बंगाल एंवम् सिक्किम
- 6 पश्चिम बंगाल
- 7 ओडिसा
- 8 झारखंड
- 9 बिहार
- 10 पूर्वी उत्तर प्रदेश
- 11 पश्चिम उत्तर प्रदेश
- 12 उत्तराखंड
- 13 हरियाणा चंडिगढ़ एंवम् दिल्ली
- 14 पंजाब
- 15 हिमाचल प्रदेश
- 16 जम्मू एंवम् कश्मीर
- 17 West Rajasthan
- 18 East Rajasthan
- 19 West Madhya Pradesh
- 20 East Madhya Pradesh
- 21 Gujarat
- 22 Saurashtra
- 23 Konkan & Goa
- 24 Madhya Maharashtra
- 25 Marathawada
- 26 Vidharbha
- 27 Chhattisgarh
- 28 Coastal Andhra Pradesh
- 29 Telangana
- 30 Rayalaseema
- 31 Tamilnadu & Pondi
- 32 Coastal Karnataka
- 33 North Interior Karnataka
- 34 South Interior Karnataka
- 35 Kerala
- 36 Lakshadweep



1. Andaman & Nicobar Islands
2. Arunachal Pradesh
3. Assam & Meghalaya
4. Nagaland, Manipur, Mizoram & Tripura
5. Sub-Himalayan West Bengal & Sikkim
6. Gangetic West Bengal
7. Orissa
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Chd & Delhi
14. Punjab
15. Himachal Pradesh
16. Jammu & Kashmir
17. West Rajasthan
18. East Rajasthan
19. West Madhya Pradesh
20. East Madhya Pradesh
21. Gujarat
22. Saurashtra
23. Konkan & Goa
24. Madhya Maharashtra
25. Marathawada
26. Vidharbha
27. Chhattisgarh
28. Coastal Andhra Pradesh
29. Telangana
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32. Coastal Karnataka
33. North Interior Karnataka
34. South Interior Karnataka
35. Kerala
36. Lakshadweep

SPATIAL DISTRIBUTION (% of Stations reporting)

% Stations	Category	% Stations	Category
76-100	Widespread (WS/ Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)
Dry (No station reported Rainfall)			

WARNING

WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)

Probabilistic Forecast

Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75



Heavy Rain



Heavy Snow



Thunderstorm



Dust Storm



Strong Winds



Visibility



Cyclone



Squall/ Hail



Frost



Cold Wave



Heat Wave



Sea State