



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 28th June, 2022
Time of Issue: 1400 hrs IST

Subject: (i) Conditions are favourable for further advance of Southwest Monsoon into remaining parts of Bihar, some more parts of Uttar Pradesh and some parts of Uttarakhand, Himachal Pradesh and Jammu & Kashmir during next 24 hours.

(ii) Conditions would continue to become favourable for further advance of Southwest Monsoon into remaining parts of Arabian Sea & Gujarat; some parts of Rajasthan; remaining parts of Madhya Pradesh, Uttar Pradesh, Uttarakhand, Himachal Pradesh and Jammu & Kashmir; some parts of Punjab, Haryana-Chandigarh and Delhi during subsequent 48 hours (between 30th June & 01st July).

(iii) Isolated extremely heavy rainfall likely over Uttarakhand on 30th over Bihar on 29th and over Sub-Himalayan West Bengal & Sikkim on 28th. Isolated heavy to very heavy rainfall likely over Himachal Pradesh on 29th & 30th; Uttarakhand on 28th & 29th; West Uttar Pradesh on 30th; East Uttar Pradesh during 29th-30th and East Rajasthan on 30th June & 01st July, 2022.

Weather observed during past 24 hours ending at 0830 hrs IST of today:

- **Extremely heavy rainfall** at isolated places over Arunachal Pradesh, Assam & Meghalaya and Sub-Himalayan West Bengal & Sikkim; **Very heavy rainfall** at isolated places over Uttarakhand, Odisha, Bihar and Konkan & Goa and **heavy rainfall** at isolated places over Himachal Pradesh, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Tamil Nadu, Puducherry & Karaikal and South Interior Karnataka. (**Annexure I**)

Advance of Southwest Monsoon:

- The Northern Limit of Monsoon (NLM) continues to pass through Lat. 24°N/ Long. 60°E, Lat. 24°N/ Long. 65°E, Dessa, Ratlam, Shivpuri, Rewa, Churk, 27.0°N/84°E.
- Conditions are favourable for further advance of Southwest Monsoon into remaining parts of Bihar, some more parts of Uttar Pradesh and some parts of Uttarakhand, Himachal Pradesh and Jammu & Kashmir during next 24 hours.
- Conditions would continue to become favourable for further advance of Southwest Monsoon into remaining parts of Arabian Sea & Gujarat; some parts of Rajasthan; remaining parts of Madhya Pradesh, Uttar Pradesh, Uttarakhand, Himachal Pradesh and Jammu & Kashmir; some parts of Punjab, Haryana-Chandigarh and Delhi during subsequent 48 hours (between 30th June & 01st July).

Rainfall/thunderstorm Forecast & Warnings: (Multi-hazard warning is given in Annexure III)

- An east-west trough runs from northwest Rajasthan to westcentral Bay of Bengal off south Odisha coast. It is very likely to strengthen gradually during next 3-4 days. Due to this trough and moist winds from Bay of Bengal and Arabian Sea over northern parts of the country in lower tropospheric levels:
 - Fairly widespread/widespread light/moderate rainfall & isolated thunderstorm/lightning with isolated **heavy rainfall** likely over West Rajasthan and Punjab on 01st July; Haryana-Chandigarh-Delhi on 30th June & 01st July; Uttarakhand on 01st & 02nd; East Rajasthan on 29th; West Uttar Pradesh on 29th June & 01st July and Himachal Pradesh on 28th June, 01st & 02nd July. **Isolated extremely heavy rainfall likely over Uttarakhand on 30th and heavy to very heavy rainfall likely over Himachal Pradesh on 29th & 30th; Uttarakhand on 28th & 29th; West Uttar Pradesh on 30th; East Uttar Pradesh during 29th-30th and East Rajasthan on 30th June & 01st July, 2022.**
 - Fairly widespread to widespread rainfall with **thunderstorm/lightning and isolated heavy rainfall** very likely over Madhya Pradesh on 29th; Chhattisgarh and Vidarbha during 28th-30th. **Isolated heavy to very heavy rainfall also likely over West Madhya Pradesh during 30th June-02nd July; East Madhya Pradesh on 30th June & 01st July, 2022.**
 - Scattered to fairly widespread rainfall with **thunderstorm/lightning** very likely to continue over Bihar, Jharkhand, Odisha and Gangetic West Bengal during next 5 days. Isolated **heavy rainfall** likely over Odisha during 29th June-02nd July; Jharkhand on 29th & 30th; Bihar on 30th; Gangetic West Bengal on 29th June. **Isolated extremely heavy rainfall likely over Bihar on 29th and over Sub-Himalayan West Bengal & Sikkim on 28th. Isolated heavy to very heavy rainfall likely over Bihar on 28th and Sub-Himalayan West Bengal & Sikkim on 29th June, 2022.**
- Under the influence of the off-shore trough at mean sea level from north Maharashtra coast to north Kerala coast and the shear zone across north peninsular India roughly along 19°N in middle tropospheric levels:
 - Scattered to fairly widespread rainfall & **thunderstorm/lightning** with isolated **heavy to very heavy rainfall** very likely over Konkan & Goa, Coastal Karnataka and Kerala & Mahe during next 5 days; Isolated **heavy rainfall** over Gujarat Region during 30th June-02nd July; South Interior Karnataka, Coastal Andhra Pradesh, Tamil Nadu and Telangana during next 3 days.
- Under the influence of southerly/southwesterly winds in lower levels from Bay of Bengal to Northeast & adjoining East India:
 - Fairly widespread to widespread rainfall with isolated **heavy rainfall & thunderstorm/lightning** very likely over Northeast India during next 5 days. **Isolated extremely heavy rainfall likely over Arunachal Pradesh on 28th and Assam & Meghalaya on 28th & 29th June, 2022.**

Rainfall (In cm):

Arunachal Pradesh:- Passighat-21, Yingkiong-12, Kabubasti-11, Namsai & Geku-8, Dambuk & Itanagar-7,

Assam:- Gossaingaon-29, Panbari-17, Hazuwa-13 & Beki-Mathanguri-13, AIE NH XING-9, Bijni-8, Kokrajhar-7,

Meghalaya:- Sohra-25, Shella-20, Mawsynram-17, Khliehriat-11, Mawkyrwat-11,

Sub-Himalayan West Bengal & Sikkim (>10cm):- Alipurduar: Barobhisa-20, Falakata-19, Alipurduar & Chepan-18, Jalpaiguri fmo-21, Domohani 11, NH – 31(road bridge) & Ghish-8, Coochbehar 23, Ghugumari 12, Mathabhanga & Amfu Pundibari 11,

Odisha:- Rayagada: Padmapur-12, Gudari-10,

Uttarakhand:- Sama-13, Dharchula-9, Loharkhet-8, Banbasa & Narendranagar-7 each,

Himachal Pradesh: Jogindernagar-7,

Konkan & Goa:- : Lanja (dist Ratnagiri) 12, Wakwali_agri (dist Ratnagiri) 11, Chiplun (dist Ratnagiri) 10, Vengurla - Imd Pt (dist Sindhudurg) 10, Guhagarh (dist Ratnagiri) 9, Kankavli (dist Sindhudurg) 9, Mandangad (dist Ratnagiri) 9, Mulde_Agri (dist Sindhudurg) 8, Sangameshwar Devrukh (dist Ratnagiri) 7, Mahad (dist Raigad) 7, Rameshwar_agri (dist Sindhudurg) 7,

Telangana:- Kothagudem: Julurpad-11, Aswapuram-10, Dummugudem-7,

Coastal Andhra Pradesh:- East Godavari: Amalapuram-8, West Godavari: Narsapuram-8.

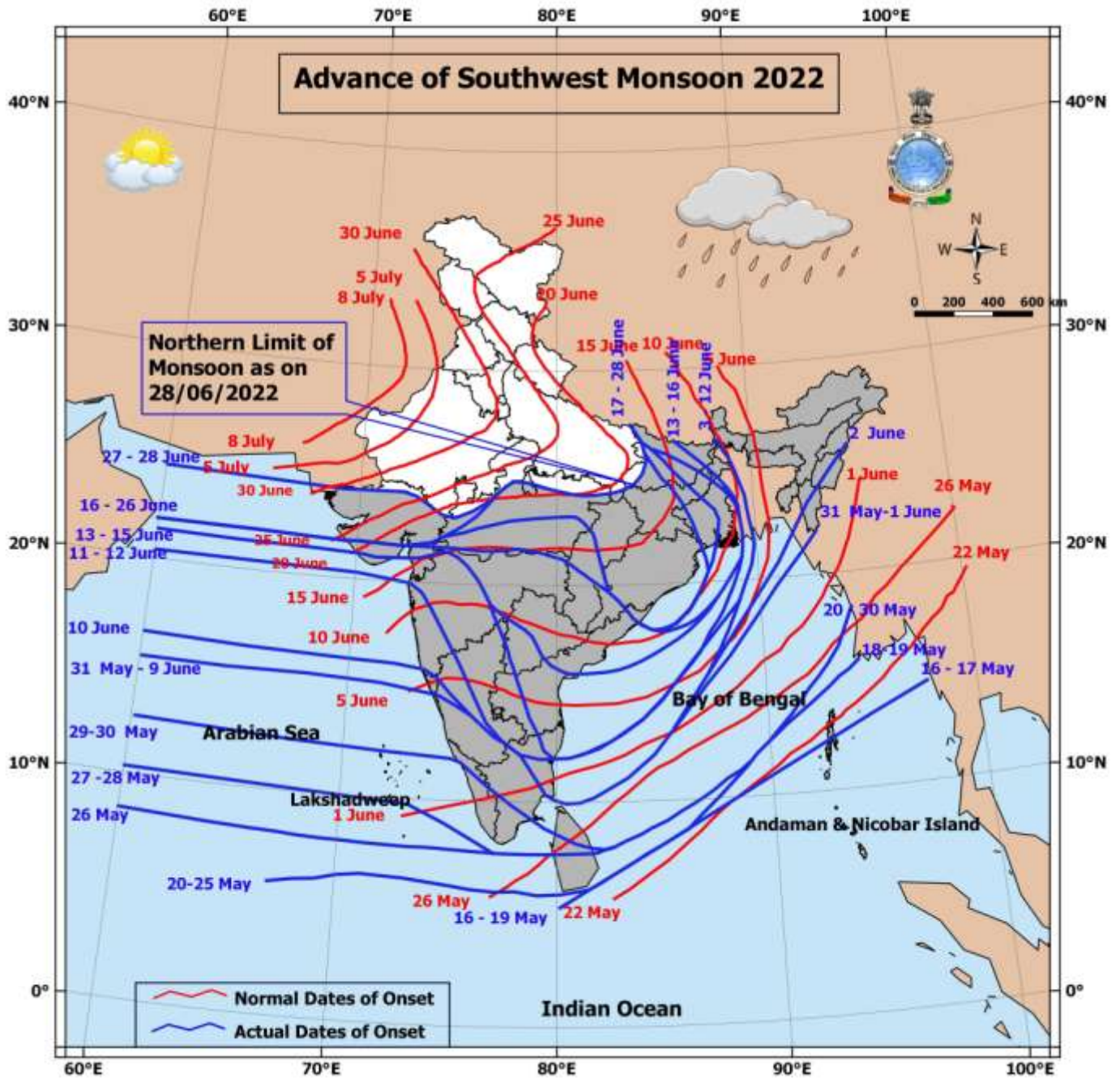
Bihar:- Forbesganj-15, Kishanganj: Thakurganj-12, Galgalia-7;

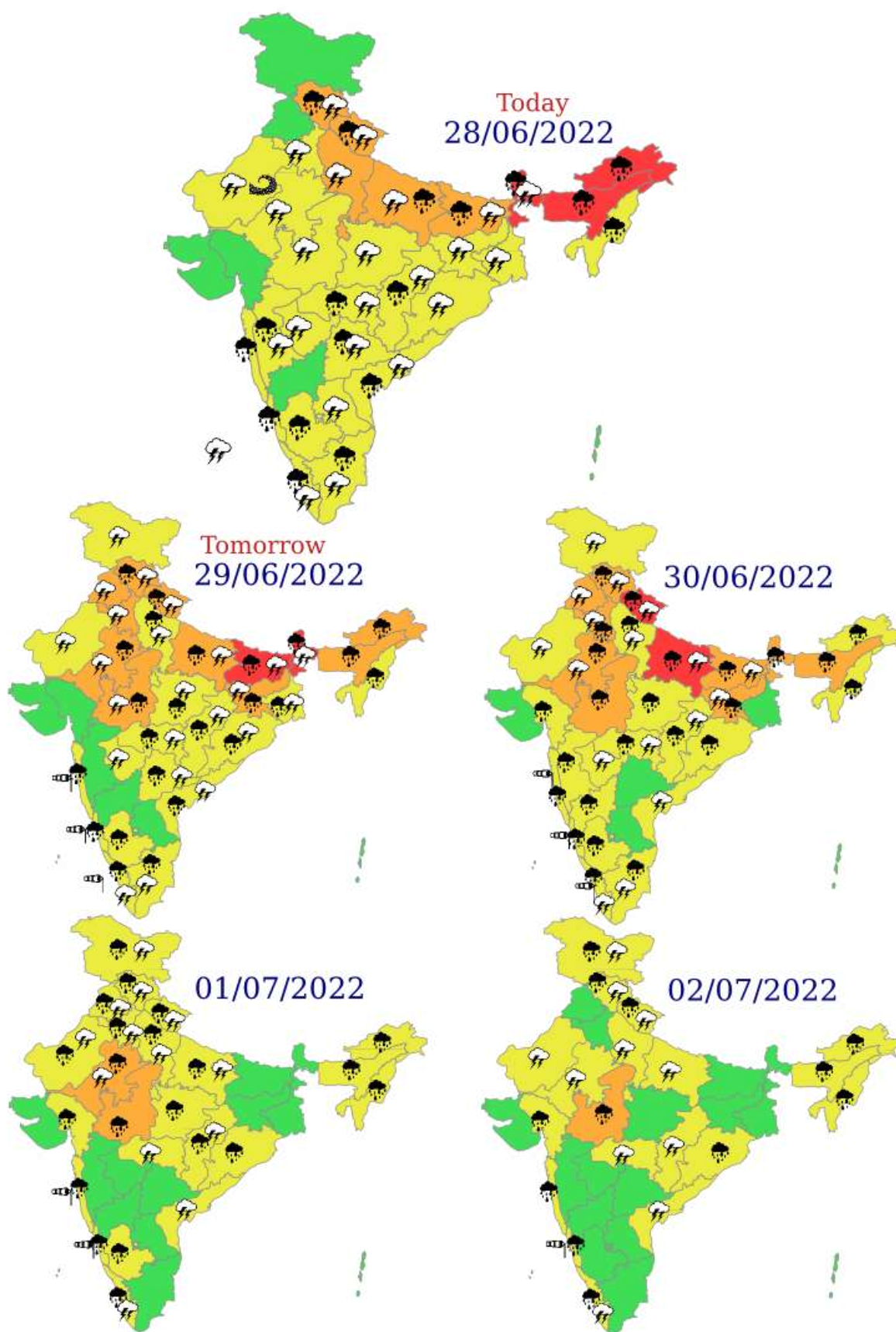
Madhya Maharashtra:- Gidhade - Fmo (dist Dhule) 8, Malegaon Camp - Imd Pt (dist Nashik) 8, Mahabaleshwar- Imd Obsy (dist Satara) 7, Nandurbar (dist Nandurbar) 7,

Marathwada:- Dhalegaon - Fmo (dist Parbhani) 7,

Tamilnadu, Puducherry & Karaikal:- Nilgiris: Pandalur, Harisan Malayalam Ltd Went worth Estate-8,

South Interior Karnataka:- Chikkamagaluru: Kottigehara-7,





EXPECTED IMPACT & ACTION SUGGESTED due to extremely heavy/very heavy rainfall over Uttarakhand during 28th-30th; Himachal Pradesh, East Uttar Pradesh, Coastal Karnataka and Kerala & Mahe on 29th & 30th; West Uttar Pradesh on 30th; East Rajasthan and East Madhya Pradesh on 30th June & 01st July; West Madhya Pradesh during 30th June-02nd July; Bihar, Arunachal Pradesh and Sub-Himalayan West Bengal & Sikkim on 28th & 29th; Konkan & Goa on 29th June-02nd July, 2022.

A. Impact Expected

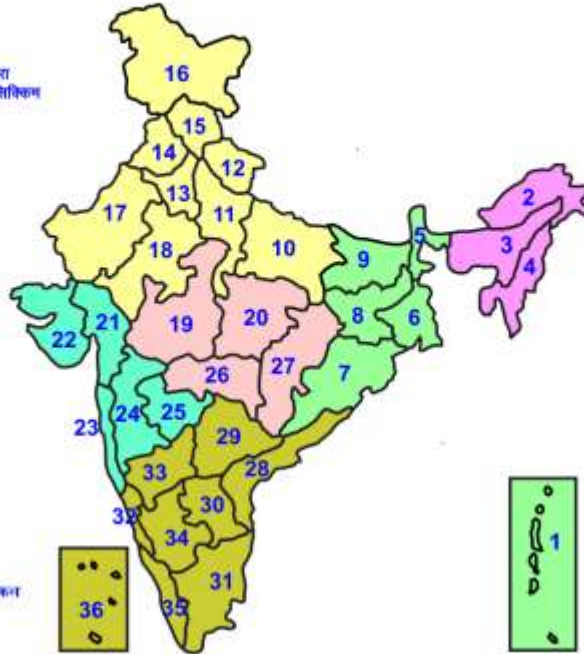
- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutcha roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides
- Damage to horticulture and standing crops in some areas due to inundation.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

B. Action Suggested

- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure.

LEGENDS

- 1 अंडमान और निकोबार द्वीप समूह
- 2 अरुणाचल प्रदेश
- 3 असम और मेघालय
- 4 नागालैंड, मणिपुर, मिजोरम और त्रिपुरा
- 5 उप हिमालय पश्चिम बंगाल एवं सिक्किम
- 6 पश्चिम बंगाल
- 7 ओडिशा
- 8 झारखंड
- 9 बिहार
- 10 पूर्वी उत्तर प्रदेश
- 11 पश्चिम उत्तर प्रदेश
- 12 उत्तराखंड
- 13 हरियाणा, चंडीगढ़ एवं दिल्ली
- 14 पंजाब
- 15 हिमाचल प्रदेश
- 16 जम्मू एवं कश्मीर एवं लद्दाख
- 17 पश्चिम राजस्थान
- 18 पूर्वी राजस्थान
- 19 पश्चिम मध्य प्रदेश
- 20 पूर्वी मध्य प्रदेश
- 21 गुजरात क्षेत्र
- 22 सोराष्ट्र एवं कच्छ
- 23 कोकण एवं गोवा
- 24 मध्य महाराष्ट्र
- 25 मराठावाड़ा
- 26 विदर्भ
- 27 छत्तीसगढ़
- 28 उत्तरी आंध्र प्रदेश एवं वनम
- 29 तेलंगाना
- 30 राजस्थान
- 31 तमिलनाडु, पुदुचेरी एवं कराईकल
- 32 तटिय कर्नाटक
- 33 आंतरिक उत्तरी कर्नाटक
- 34 आंतरिक दक्षिणी कर्नाटक
- 35 केरल एवं माहे
- 36 लक्षद्वीप



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 and Ladakh
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. Marathwada
26. Vidharbha
27. Chhattisgarh
28. Coastal Andhra Pradesh & Yanam
29. Telangana
30. Rayalaseema
31. Tamilnadu, Puducherry & Karaikal
32. Coastal Karnataka
33. North Interior Karnataka
34. South Interior Karnataka
35. Kerala & Mahe
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)

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