



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 27th June, 2022
Time of Issue: 1300 hrs IST

Subject: (i) Southwest Monsoon has further advanced into most parts of Arabian Sea and most parts of Gujarat state today, the 22nd June, 2022.

(ii) Conditions are favorable for further advance of monsoon into remaining parts of Arabian Sea and Gujarat, some parts of Rajasthan, remaining parts Madhya Pradesh and Bihar, some more parts of Uttar Pradesh and some parts of Uttarakhand, Himachal Pradesh and Jammu and Kashmir during next 3-4 days.

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

- **Very heavy rainfall** at isolated places over Uttarakhand, Sub-Himalayan West Bengal & Sikkim, Telangana and Konkan & Goa and **heavy rainfall** at isolated places over East Madhya Pradesh, Coastal Andhra Pradesh & Yanam, Gujarat region, Kerala & Mahe. (**Annexure I**)

Advance of Southwest Monsoon:

- Southwest Monsoon has further advanced into most parts of Arabian Sea and most parts of Gujarat state today, the 22nd June, 2022.
- The Northern Limit of Monsoon (NLM) now passes through Lat. 24°N/ Long. 60°E, Lat. 24°N/ Long. 65°E, Deesa, Ratlam, Shivpuri, Rewa, Churk, 27.0°N/84°E. (**Annexure II**)
- Conditions are favorable for further advance of monsoon into remaining parts of Arabian Sea and Gujarat, some parts of Rajasthan, remaining parts Madhya Pradesh and Bihar, some more parts of Uttar Pradesh and some parts of Uttarakhand, Himachal Pradesh and Jammu and Kashmir during next 3-4 days.

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

- Due to east-west trough over north India and moist winds from Bay of Bengal and Arabian Sea over northern parts of the country in lower tropospheric levels:
 - Fairly widespread to widespread light/moderate rainfall with isolated thunderstorm & lightning very likely over Uttarakhand & East Uttar Pradesh during 27th-29th; over Himachal Pradesh, East Rajasthan & West Uttar Pradesh during 28th-30th June; over Punjab, Haryana, Chandigarh & Delhi during 29th-30th June. Isolated **heavy rainfall** likely over West Rajasthan on 01st July; over Uttarakhand on 30th; over East Rajasthan on 27th & 28th; over West Uttar Pradesh on 28th June & 01st July and over Himachal Pradesh on 29th & 30th June. **Isolated heavy to very heavy rainfall also likely over Uttarakhand during 27th- 29th; West Uttar Pradesh on 29th & 30th; East Uttar Pradesh during 28th-30th June, 2022.**
 - Fairly widespread to widespread rainfall with **thunderstorm/lightning and isolated heavy rainfall** very likely over West Madhya Pradesh on 27th & 28th; East Madhya Pradesh on 28th,

30th June & 01st July; Chhattisgarh during 28th June-01st July; Vidarbha during 27th-29th June, 2022. **Isolated heavy to very heavy rainfall also likely over West Madhya Pradesh during 29th June-01st July; East Madhya Pradesh on 29th June, 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-01st July; Jharkhand during 28th-29th; Bihar on 27th & 30th; Gangetic West Bengal on 29th June. **Isolated heavy to very heavy rainfall also likely over Bihar on 28th & 29th June, 2022.**

- Under the influence of off-shore trough at mean sea level along west coast and strong westerly/southwesterly winds along the west coast in lower tropospheric levels:
 - Widespread rainfall with **thunderstorm/lightning** very likely over Coastal Karnataka, Konkan & Goa, Kerala & Mahe and Lakshadweep; scattered to fairly widespread rainfall over Interior Karnataka, Madhya Maharashtra, Marathwada, Gujarat state, Telangana, Coastal Andhra Pradesh & Yanam; isolated to scattered rainfall over Tamilnadu, Puducherry & Karaikal and Rayalaseema during next 5 days.
 - Isolated **heavy to very heavy rainfall** very likely over Konkan & Goa during next 5 days; Isolated **heavy rainfall** over Gujarat Region, Coastal Karnataka and Kerala & Mahe during next 5 days; over Madhya Maharashtra on 27th, 29th & 30th June; over Interior Karnataka on 29th & 30th June; over southern parts of Saurashtra on 27th June & 01st July; Coastal Andhra Pradesh on 28th and Telangana on 27th June, 2022. **Isolated heavy to very heavy rainfall also likely over Gujarat region on 27th June & 01st July; Coastal Karnataka on 29th & 30th June and Coastal Andhra Pradesh on 27th June, 2022.**

- 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 and Sub-Himalayan West Bengal & Sikkim during next 5 days. Isolated **heavy to very heavy rainfall** also likely over Sub-Himalayan West Bengal during 27th-29th June, 2022.

Rainfall (In cm):

Sub-Himalayan West Bengal & Sikkim: Jalpaiguri: Jalpaiguri Aw, Domohani-20, Jalpaiguri Fmo-18, Nh – 31(Road Bridge)-9, Ramsai Kvk Aws-8, Chengmari Tea Garden Arg-7, Nagrakata-6, Alipurduar: Buxaduar-11, Hasimara-9, Chepan-7, Coochbehar: Amfu Pundibari-10, Mathabhanga-8; Coastal Karnataka: Udupi: Siddapura-6;

Uttarakhand:- Nainital: Nainital-15; Chamoli: Karnaprayag-8; Chamoli-5; Bageshwar: Loharkhet-7; Kapkot-6; Champawat: Champawat-5; Dehradun: Haripur-5;

Konkan & Goa:- Ratnagiri: Rajapur-13, Lanja-12, Dapoli_agri -9, Guhagarh, Chiplun-8 each, Sangameshwar Devrukh - 7, Mandangad -6, Sindhudurg: Devgad-10, Kankavli-9, Kudal, Sawantwadi -8 each, Mulde_Agri-6, Rameshwar_agri-6, North Goa: Pernem-8, Raigad: Murud-7, Valpoi-6, Panjim - Imd Obsy-6.

Telangana:- Mulugu: Perur-12, Jangaon(Arg): Kodakandla-7, Palakurthi-6, Warangal_Urban: Bheemadevarpalle-6

East Madhya Pradesh:- Chindwara: Chindwara-11, Sausar-7,

Kerala & Mahe:- Wynad: Padinjarathara Dam Aws-8; Kozhikode: Quilandi-6;

Coastal Andhra Pradesh:- East Godavari: Tuni-7, Guntur: Bapatla-7;

Gujarat Region:- Valsad: Dharampur -7, Surat: Umerpada-7;

Bihar:- Kishanganj: Thakurganj-6, Galgalia-5;

Marathwada:- Osmanabad:Bhum-6.

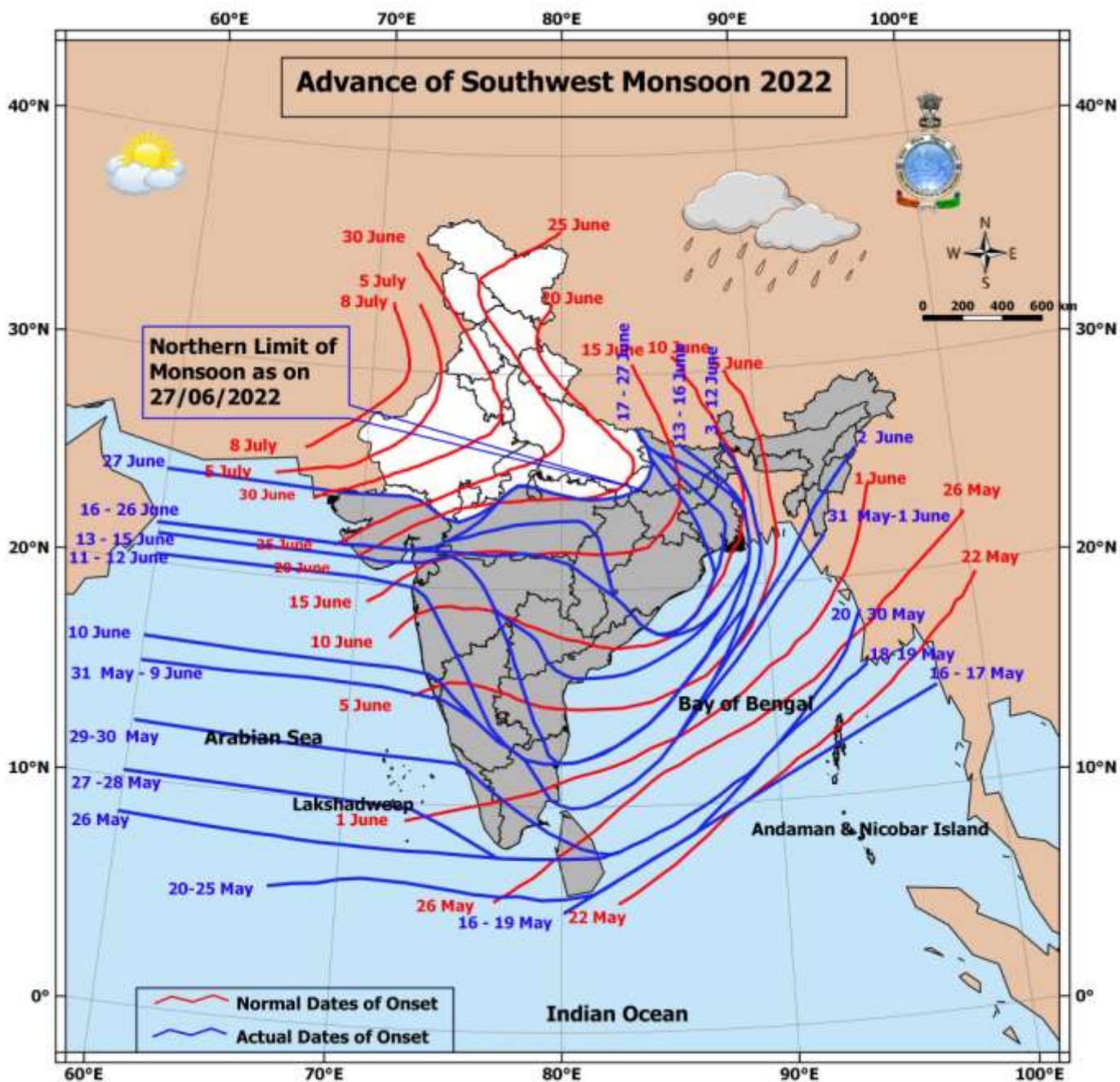
Coastal Karnataka: Udupi: Siddapura-6, Kota-5, Uttara Kannada: Siddapur-5;

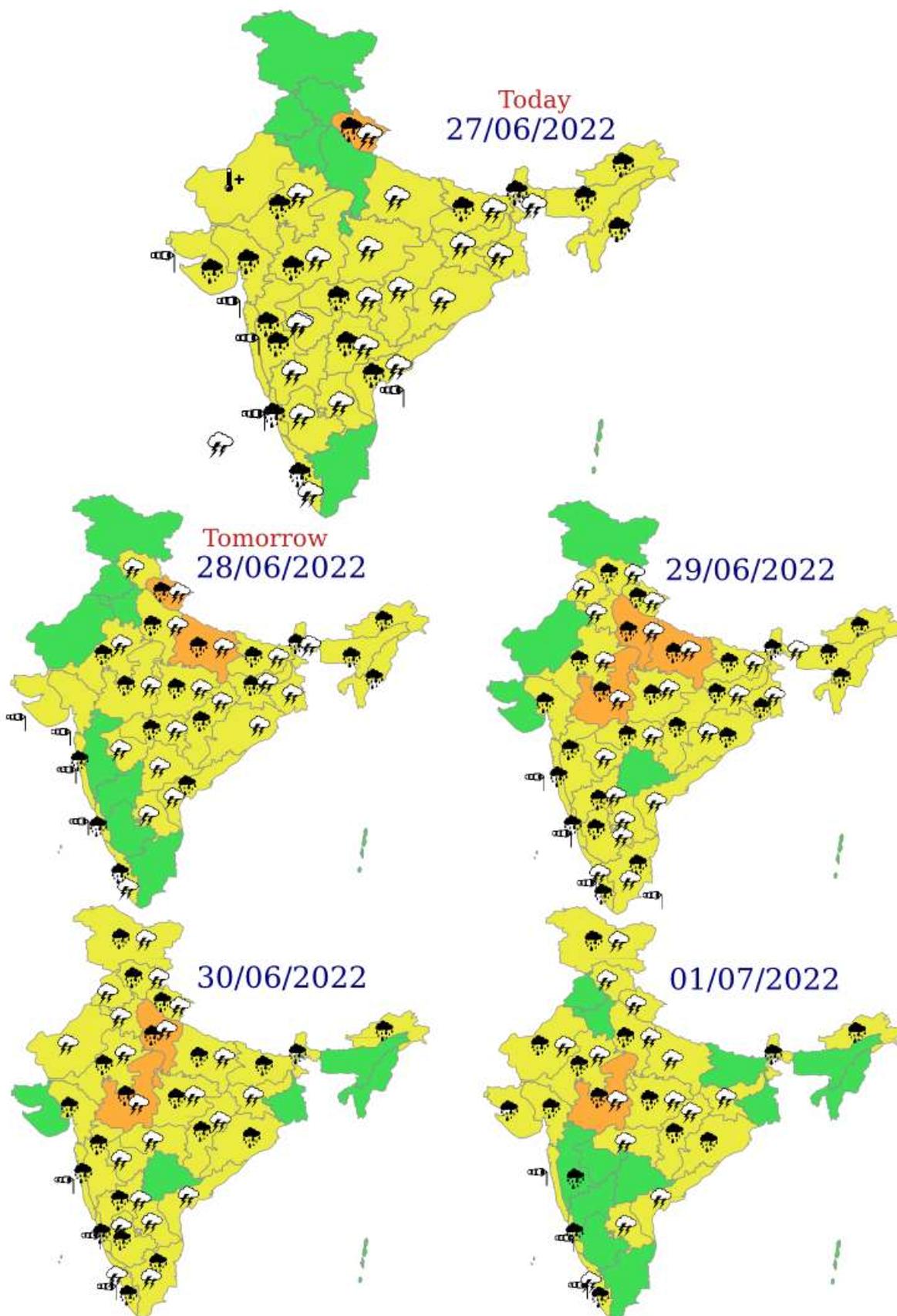
Tamilnadu:- Nilgiris: Devala-5;

Tamilnadu, Puducherry & Karaikal:- Nilgiris: Devala-5;

Chhattisgarh:- Mungeli:Mungeli-5, Bastar: Lohandiguda-5;

South Interior Karnataka: Kodagu: Ponnampet-5,





EXPECTED IMPACT & ACTION SUGGESTED due to very heavy rainfall over Arunachal Pradesh and Assam & Meghalaya on 27th & 28th; Bihar on 28th & 29th; Sub-Himalayan West Bengal & Sikkim, Uttarakhand during 27th-29th; East Uttar Pradesh during 28th-30th; East Rajasthan, West Madhya Pradesh, Konkan & Goa during 29th June-01st July and Coastal Karnataka on 29th & 30th June, 2022.

A. Impact Expected

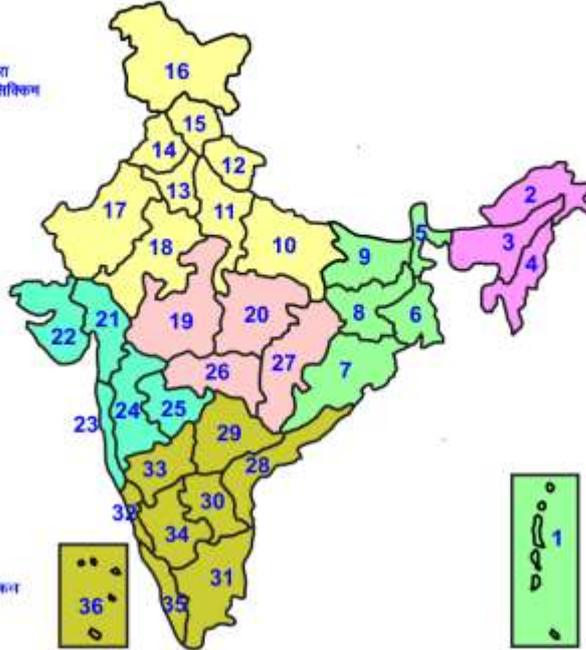
- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor 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 मीज़ोरम और त्रिपुरा
- 5 उप हिमालय पश्चिम बंगाल एंवम् सिक्किम
- 6 पश्चिम बंगाल
- 7 ओडिशा
- 8 झारखंड
- 9 बिहार
- 10 पूर्वी उत्तर प्रदेश
- 11 पश्चिम उत्तर प्रदेश
- 12 उत्तराखंड
- 13 हरियाणा चंडीगढ़ एंवम् दिल्ली
- 14 पंजाब
- 15 हिमाचल प्रदेश
- 16 जम्मू एवं कश्मीर एंवम् लद्दाख
- 17 पश्चिम राजस्थान
- 18 पूर्वी राजस्थान
- 19 पश्चिम मध्य प्रदेश
- 20 पूर्वी मध्य प्रदेश
- 21 गुजरात क्षेत्र
- 22 सौराष्ट्र एंवम् कच्छ
- 23 कोकण एंवम् गोवा
- 24 मध्य महाराष्ट्र
- 25 मराठवाड़ा
- 26 विदर्भ
- 27 छत्तीसगढ़
- 28 उत्तरी आंध्र प्रदेश एंवम् बनारस
- 29 तेलंगाना
- 30 रायलसेमा
- 31 तमिलनाडु, पुदुचेरी एंवम् कराईकल
- 32 तटिय कर्नाटक
- 33 आंतरिक पश्चिमी कर्नाटक
- 34 आंतरिक दक्षिणी कर्नाटक
- 35 केरल एंवम् माह्ले
- 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