



**Government of India  
Ministry of Earth Sciences  
India Meteorological Department**

**Press Release  
Date: 30<sup>th</sup> June, 2022  
Time of Issue: 1400 hrs IST**

**Subject: i) Southwest Monsoon has further advanced into entire Uttar Pradesh, Himachal Pradesh and Jammu, Kashmir & Ladakh, some parts of Rajasthan, entire Delhi, some parts of Punjab and Haryana, Chandigarh, today, the 30th 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, Jaipur, Rohtak, Pathankot and Jammu.**

**ii) Conditions are favourable for further advance of monsoon into some more parts of Rajasthan, entire Punjab and Haryana during next 24-hours.**

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

- **Very heavy rainfall** at isolated places over Bihar, Assam & Meghalaya, Uttar Pradesh, East Madhya Pradesh, Konkan & Goa, Uttarakhand, Gujarat Region and Coastal Karnataka and **heavy rainfall** at isolated places over West Madhya Pradesh, Odisha, Vidarbha, Chhattisgarh, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Punjab, East Rajasthan, Coastal Andhra Pradesh, Kerala and South Interior Karnataka. (**Annexure I**)
- **Due to Monsoon advance over Delhi, most parts of the city has reported moderate rainfall with isolated heavy rainfall during past 03 hrs, till time ending at 11:30 hrs IST of today: Rainfall Amount (in mm) during this period: Lodhi Road-77.0, Safdarjung Airport: 64.8, Ridge-26.0, Ayanagar-22.6, Palam Airport: 10.4.**

**Advance of Southwest Monsoon:**

- Southwest Monsoon has further advanced into entire Uttar Pradesh, Himachal Pradesh and Jammu, Kashmir & Ladakh, some parts of Rajasthan, entire Delhi, some parts of Punjab and Haryana, Chandigarh, today, the 30th 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, Jaipur, Rohtak, Pathankot and Jammu.
- Conditions are favourable for further advance of monsoon into some more parts of Rajasthan, entire Punjab and Haryana during next 24-hours.

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

- An east-west trough runs from Punjab to northeast Bay of Bengal in lower tropospheric levels. 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 with isolated thunderstorm/lightning very likely over Uttarakhand, Haryana-Chandigarh-Delhi, Punjab, Uttar Pradesh, East Rajasthan and Himachal Pradesh on 30<sup>th</sup> June & 01<sup>st</sup> July with scattered/fairly widespread activity thereafter. Isolated/scattered rainfall activity over Jammu & Kashmir and West Rajasthan during next 5 days.
  - Isolated **heavy rainfall** likely over Jammu & Kashmir on 30<sup>th</sup> June; Himachal Pradesh, Punjab, Uttar Pradesh & West Rajasthan on 30<sup>th</sup> June & 01<sup>st</sup> July; Haryana-Chandigarh-Delhi during 30<sup>th</sup> June-02<sup>nd</sup> July; East Rajasthan during 30<sup>th</sup> June-03<sup>rd</sup> July and over Uttarakhand during next 5 days. **Isolated heavy to very heavy rainfall also likely over Himachal Pradesh & West Uttar Pradesh on 30<sup>th</sup> June; Uttarakhand & Rajasthan on 30<sup>th</sup> June & 01<sup>st</sup> July.**
  - Fairly widespread/widespread light/moderate rainfall with isolated thunderstorm/lightning very likely over Madhya Pradesh, Vidarbha and Chhattisgarh during next 5 days.
  - Isolated **heavy rainfall** very likely over Vidarbha on 30<sup>th</sup> June; Madhya Pradesh during 30<sup>th</sup> June-02<sup>nd</sup> July and over Chhattisgarh during next 5 days. **Isolated heavy to very heavy rainfall also likely over West Madhya Pradesh on 30<sup>th</sup> June & 01<sup>st</sup> July; 2022.**
  - Fairly widespread/widespread rainfall with **thunderstorm/lightning** very likely to continue over Bihar, Jharkhand, Odisha and Gangetic West Bengal during next 4-5 days.
  - Isolated **heavy rainfall** likely over Jharkhand on 30<sup>th</sup> June & 01<sup>st</sup> July; Bihar during 30<sup>th</sup> June-02<sup>nd</sup> July; Gangetic West Bengal on 30<sup>th</sup> June and over Odisha during next 5 days. **Isolated heavy to very heavy rainfall** also likely over Odisha on 04<sup>th</sup> July, 2022.
- Under the influence of the off-shore trough at mean sea level from south Gujarat coast to north Karnataka coast and strong westerly/south westerly winds along the west coast in lower tropospheric levels:
  - Widespread light/moderate rainfall with **thunderstorm/lightning** very likely over Konkan & Goa, Coastal Karnataka and Kerala & Mahe and scattered to fairly widespread rainfall activity over Gujarat, Madhya Maharashtra and Interior Karnataka during next 5 days. Isolated **heavy rainfall** likely over Gujarat Region during 30<sup>th</sup> June-03<sup>rd</sup> July; Madhya Maharashtra on 30<sup>th</sup> June; Coastal Andhra Pradesh on 30<sup>th</sup> June; Tamil Nadu, Puducherry & Karaikal during 30<sup>th</sup> June-02<sup>nd</sup> July and over Konkan & Goa, Coastal Karnataka, Kerala & Mahe and South Interior Karnataka during next 5 days. **Isolated heavy to very heavy rainfall** also likely over Konkan & Goa during 30<sup>th</sup> June-02<sup>nd</sup> July & over Coastal Karnataka on 30<sup>th</sup> June, 2022.

## Annexure I

### Rainfall (in cm):

**Konkan & Goa:- Sindhudurg:** Devgad-18, Malvan & Kudal -11each, Kankavli, Sawantwadi & Vengurla -8 each, **Raigad:** Tala-15, Shriwardhan-14, Alibag-13, Murud-10, Mhasla-9, Sudhagad Pali-8, Uran-7, **Ratnagiri:** Lanja-15, Harnai Imd Obsy-11, Imd Obsy-10, **South Goa:** Canacona-12, Dabolim N.a.s.- Navy-11, Quepem-10, Margao-9, **Thane:** Tbia Imd Part Time-10, **North Goa:** Mapusa-10, Panjim & Pernem -7 each;

**Gujarat Region: Valsad:** DRMS Station-16, Pardi-9, Vapi-6, **Narmada:** Narmada\_kvks Aws-6;

**Coastal Karnataka & South Interior Karnataka: Dakshin Kannada:** Panambur-18, Mangaluru Ap Obsy-13, Mulki-11, Sulya-8, **Udupi:** Kundapur & Kota-12 Each, **Uttar Kannada:** Shirali Pto -20, Ankola-12, Honavar Obsy, Manki -11 Each, Basagod-10, Karwar Obsy -9, Kumta -8, Gokarna-8, Gersoppa-7; **Kodagu:** Sampaje-10; **Shivamogga:** Tumri--8

**East Madhya Pradesh: Rewa:** Hanumana-15, Mauganj-11, Jawa-7, **Mandla:** Bijadandi-14, **Sagar:** Jaisinagar-11, Kesli-9, Bina-8, **Jabalpur:** Jabalpur-aws-9, **Panna:** Devendranagar-9, Pawai-7, **Tikamgarh:** Palera-8, **Sidhi:** Sihawal-7;

**Bihar: Begusarai:** Sahebpur Kanal -14, **Monghyr:** Dharhara -14, **Patna:** Patna Aerodrome-13, **East Champaran:** Lalbegiaghat-12, **Buxar:** Simri -12; **West Champaran:** Tribeni/Balmikinagar-10, Monghyr-10

**Assam & Meghalaya:- East Khasi Hills:** Cherrapunji-12, Mawsynram-10, Cherrapunji RKM-9, **Dibrugarh:** Dillighat-10, **Dhemaji:** Dhemaji-8, **East Garo hills:** Williamnagar-8,

**Uttarakhand:- Gharwal Pauri:** Kotdwara-12, **Chamoli:** Chamoli-9, **Rudraprayag:**Ukhimath-9, **Bageshwar:** Bageshwar-8, **Gharwal Tehri:** Narendranagar-8, **Hardwar:** Roshnabad-7, **Udham Singh Nagar:** Khatima-7;

**East Uttar Pradesh:- Kheri:** Palliakalan-14, Dhaurahara & Muhammadi-11 each, Kheri Lakhimpur-9, **Ghazipur:** Mohammedabad-13, Ghazipur Obsy-9, **Deoria:** Salempur-13, **Hardoi:** Hardoi Teh-11, **Sitapur:** Neemsar-11, Laharpur-9, **Sultanpur:** Lambhuaa-9, **Lucknow:** Malihabad (dist) 7;

**West Uttar Pradesh: Bijnor:** Najibabad-12, Dhampur-12, Bijnor-11, Nagina-7, **Shahjahanpur:** Pawayan-10, **Bareilly:** Nawabganj-8,

**East Rajasthan: Bharatpur:** Nagar SR-10; **Jaipur:** Shahpura-9, **Alwar:** Bansur-9, Malakhera SR-7, **Baran:** Shahabad-7,

**Kerala & Mahe: Kasargod:** Bayar-11; Muliya-9;

**Chhattisgarh: Janjgir:** Sakti-11, Champa-7;

**Arunachal Pradesh:- Lower Dibang Valley:** Roing-10;

**Nagaland, Manipur, Mizoram & Tripura: Peren:** Peren-8,

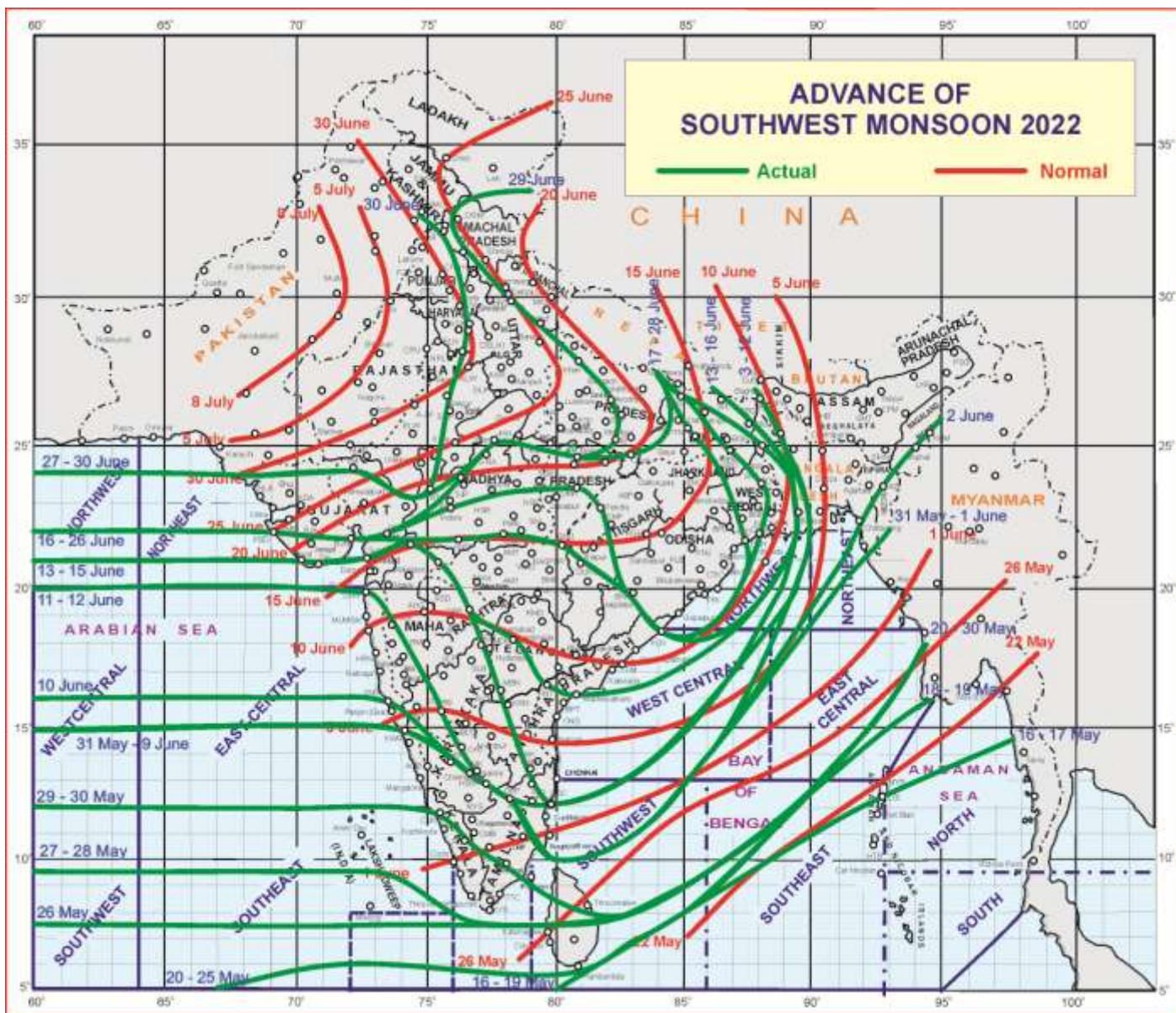
**Punjab:- Pathankot:** Shahpur Kandi-8, **Rupnagar:** Ropar-7,

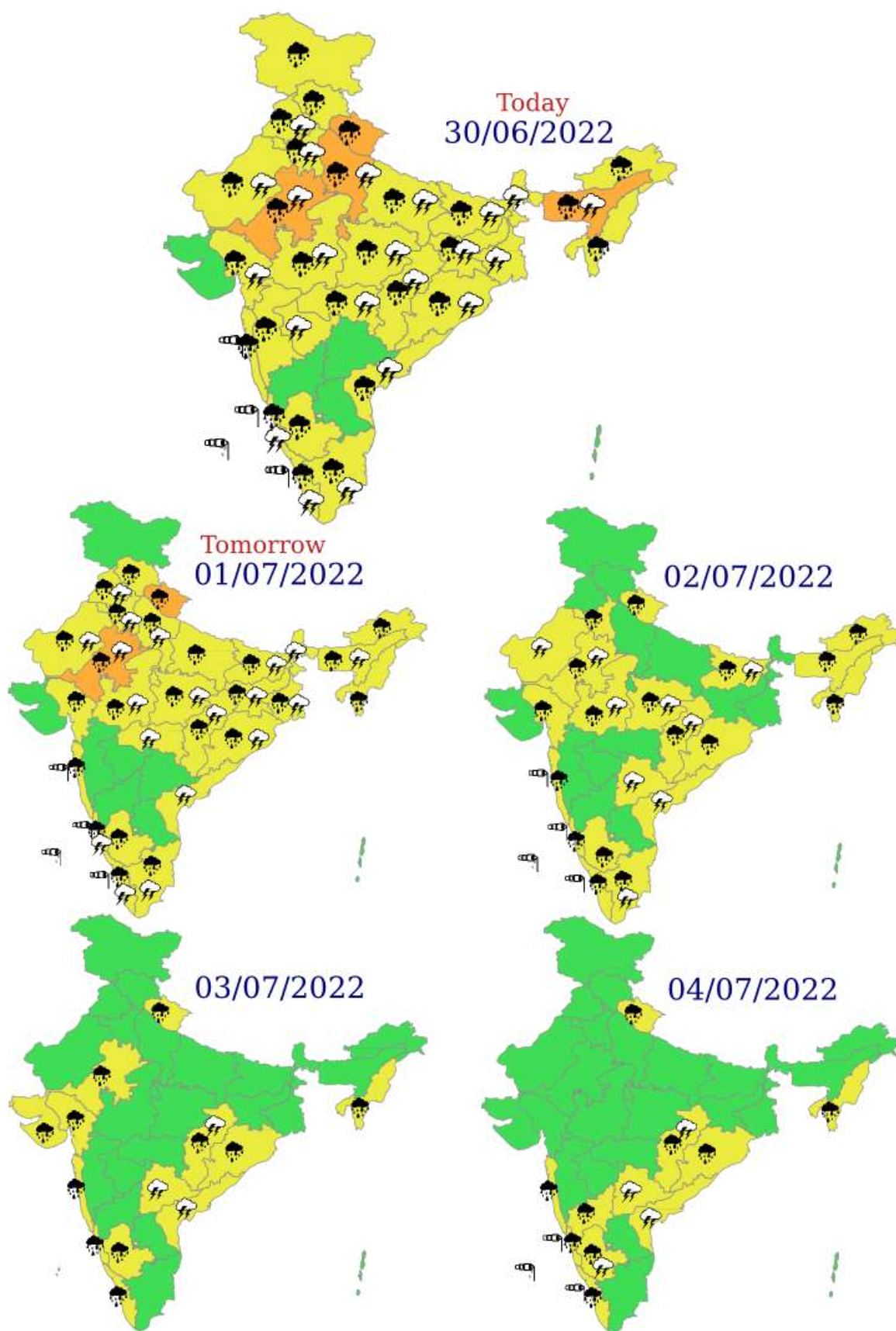
**Odisha: Koraput:** Similiguar-8, **Boudhgarh:** Harabhanga-7

**West Madhya Pradesh: Narmadapuram:** Babai-7;

**Coastal Andhra Pradesh: Prakasam:** Addanki-7;

**Vidarbha: Chandrapur:** Pombhurna-7, **Gadchiroli:** Desaijanj-7;





**EXPECTED IMPACT & ACTION SUGGESTED due to very heavy rainfall over Uttarakhand, West Madhya Pradesh & East Rajasthan on 30<sup>th</sup> June & 01<sup>st</sup> July; Coastal Karnataka, Gujarat Region, Assam & Meghalaya, Himachal Pradesh & West Uttar Pradesh on 30<sup>th</sup> June; Konkan & Goa during 30<sup>th</sup> June-02<sup>nd</sup> 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:**

**Heavy Rain:** 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4 mm.

**Region wise classification of meteorological Sub-Divisions:**

- 1) **Northwest India:** Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand); Punjab, Haryana-Chandigarh-Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
- 2) **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- 3) **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- 4) **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 5) **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
- 6) **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

<b>SPATIAL DISTRIBUTION</b> (% 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

