



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 10th October, 2022
Time of Issue: 1245 hrs IST

Subject: (i) Heavy rainfall spell likely to continue over Uttarakhand, Uttar Pradesh and Bihar during next 24 hours and then rainfall activity is likely to decrease significantly.
(ii) Heavy rainfall spell likely to continue over Tamilnadu & Rayalaseema during next 5 days and over Interior Karnataka & Telangana during next 2 days.
(iii) Conditions are very likely to become favourable for withdrawal of southwest monsoon from some more parts of northwest & central India during next 4-5 days.

Weather observed during past 24 hours ending at 0830 hrs IST of today: (Refer Annexure I)

Withdrawal of Southwest Monsoon: (Withdrawal Map in Annexure II)

- The withdrawal line of Southwest Monsoon continues to pass through Long. 79.0°E/ Lat. 31.7° N, Uttarkashi, Nazibabad, Agra, Gwalior, Ratlam, Bharuch and Long. 71.0°E / Lat. 20.3° N.
- **Conditions are very likely to become favourable for withdrawal of southwest monsoon from some more parts of northwest & central India during next 4-5 days.**

Weather systems, rainfall/thunderstorm Forecast & Warnings: (Warning Graphics in Annexure III)

- A fresh **Western Disturbance** as a trough in mid & upper tropospheric westerlies runs roughly along 64°E to the north of 25°N.
- A cyclonic circulation lies over south Haryana & neighbourhood in lower tropospheric levels.
- A cyclonic circulation lies over north Tamil Nadu & neighbourhood in lower tropospheric levels and a trough runs from this cyclonic circulation to northeast Rajasthan in lower tropospheric levels.
- **Under the influence of above systems;**
 - Fairly widespread/widespread light/moderate rainfall with **isolated/scattered heavy falls & thunderstorm/lightning** very likely over Uttarakhand, Punjab and West Uttar Pradesh on 10th and East Uttar Pradesh on 10th & 11th October, 2022. **Isolated very heavy rainfall very likely over East Uttar Pradesh on 10th October, 2022.**
 - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Tamil Nadu, Puducherry & Karaikal during 10th-14th; Rayalaseema during 10th-13th; Interior Karnataka during 10th-12th; Telangana on 10th & 11th and Coastal Andhra Pradesh & Yanam and Kerala & Mahe on 10th October, 2022. **Isolated very heavy rainfall very likely over Tamil Nadu on 10th October, 2022.**
 - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls** very likely over Sub-Himalayan West Bengal & Sikkim and Bihar during 10th-12th October, 2022. **Isolated very heavy rainfall very likely over Sub-Himalayan West Bengal & Sikkim and Bihar on 10th October, 2022.**
 - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Arunachal Pradesh and Assam & Meghalaya during 10th-12th and Nagaland, Manipur, Mizoram & Tripura on 10th & 11th October, 2022. **Isolated very heavy rainfall very likely over Arunachal Pradesh on 10th & 11th and Assam & Meghalaya on 10th October, 2022.**

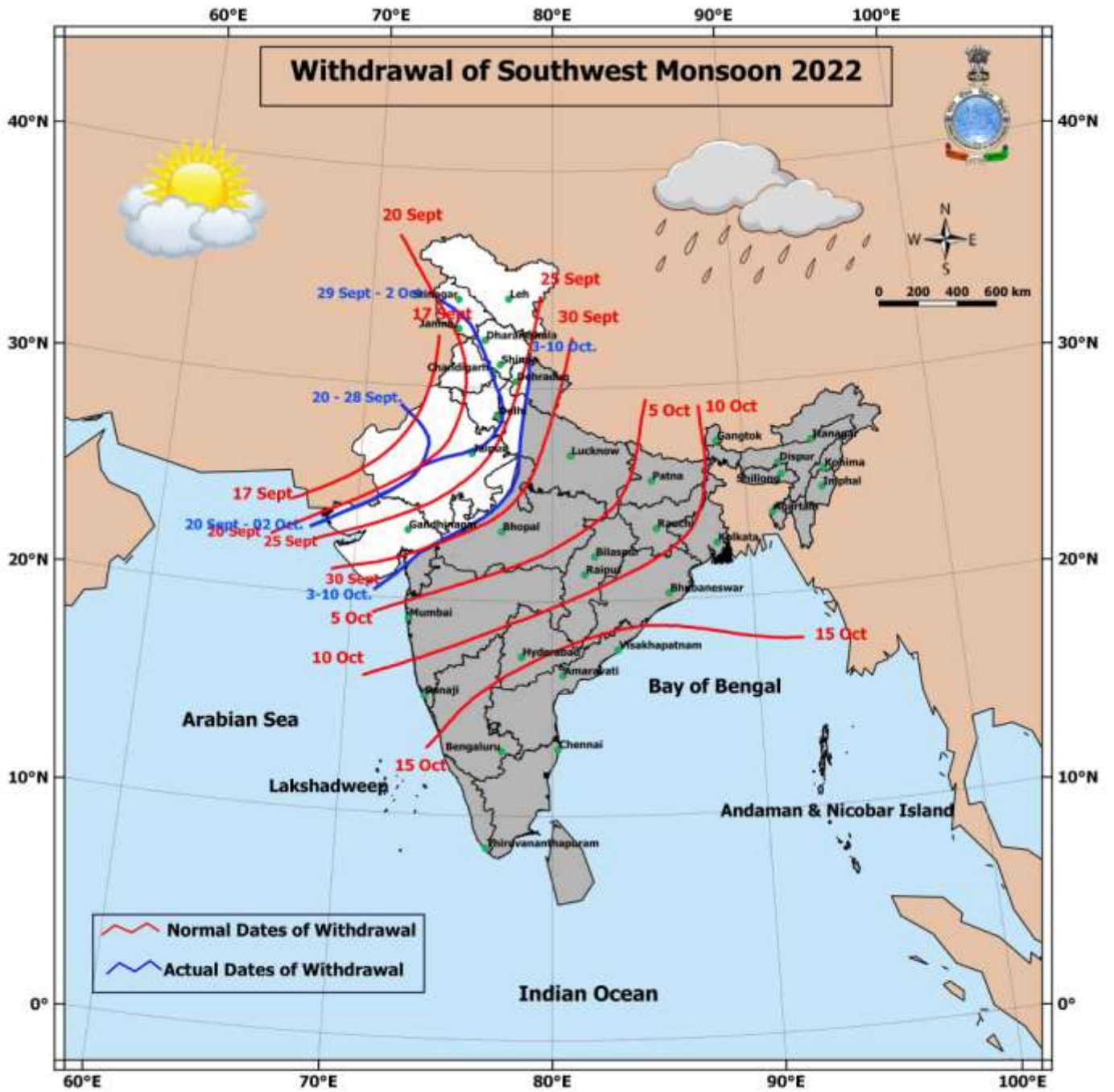
For more details kindly refer: https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php

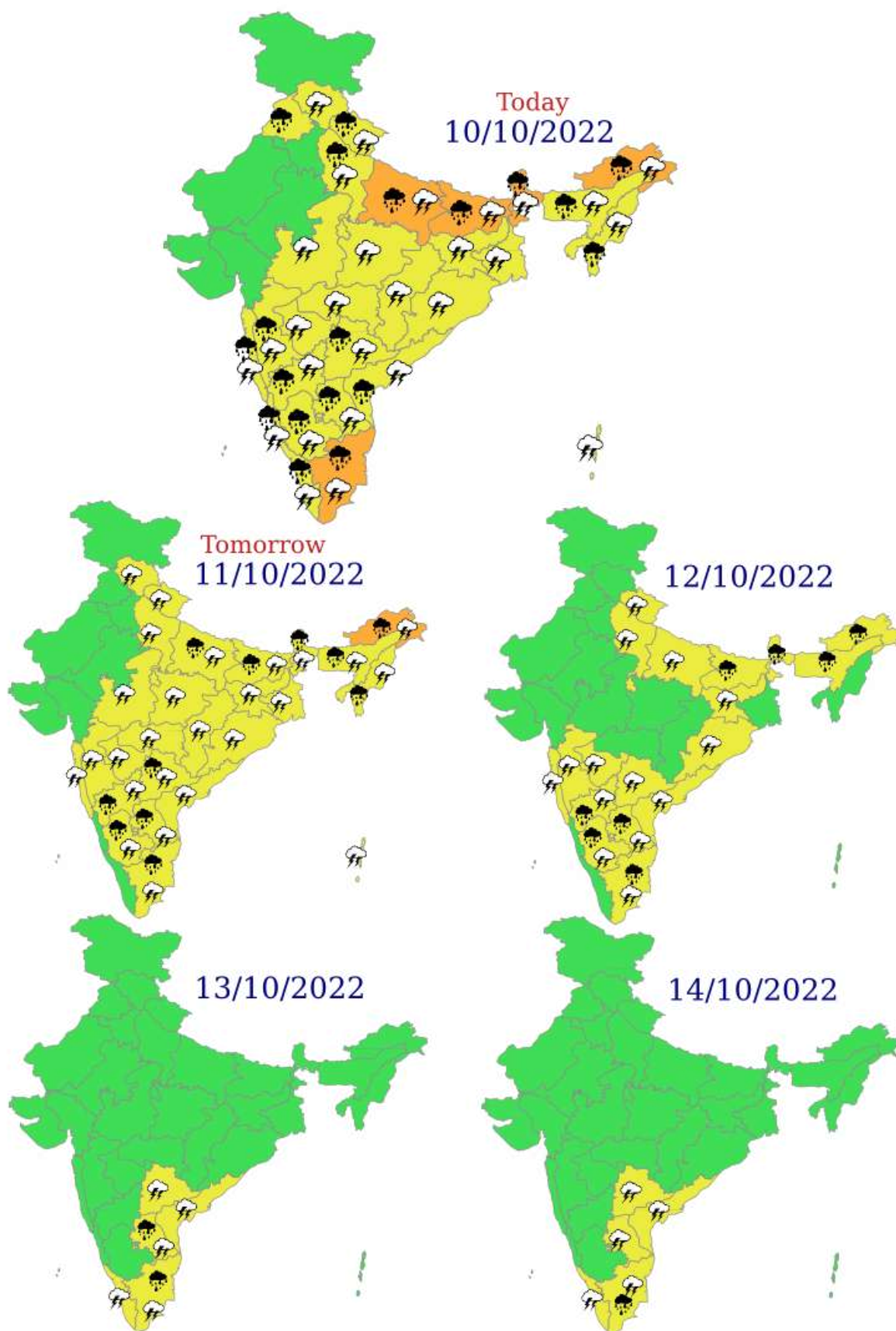
Annexure I

Isolated extremely heavy rainfall occurred over West Uttar Pradesh & Sub-Himalayan West Bengal & Sikkim; **very heavy rainfall** over East Uttar Pradesh, Uttarakhand, Bihar & Tamil Nadu. and **heavy rainfall** over Punjab, Himachal Pradesh, East Rajasthan, West Madhya Pradesh, Marathwada, Andhra Pradesh, Telangana, Interior Karnataka and Kerala.

Rainfall (in cm):

- ❖ **Sub-Himalayan West Bengal & Sikkim:** Kumargram: 31, Mangan (PTO): 18, Alipurduar (P.T.O.): 11, Buxaduar: 9, Jhallong: 8, Falakata: 8, Pundbari Amfu-8, Barobhisha: 8, Chepan: 7;
- ❖ **West Uttar Pradesh:** Mirganj (dist Bareilly) 23, Nawabganj (dist Bareilly) 18, Najibabad (t) (dist Bijnor) 17, Nagina (dist Bijnor) 17, Bijnor (dist Bijnor) 16, Kalpi Tehsil (dist Jalaun) 12, Kalpi Cwc (dist Jalaun) 12, Shahjina Fmo (dist Hamirpur) 11, Hamirpur Cwc (dist Hamirpur) 11, Hamirpur Obsy (dist Hamirpur) 11, Mawana (dist Meerut) 10, Dataganj (dist Badaun) 10, Narora (dist Bulandshahar) 10, Dhampur (dist Bijnor) 10, Sambhal (dist Sambhal) 9, Bareilly Cwc (dist Bareilly) 9, Gunnaur (dist Sambhal) 9, Faridpur (dist Bareilly) 9, Bareilly Pbo (dist Bareilly) 9, Orai (dist Jalaun) 9, Kanth (dist Moradabad) 8, Moradabad Cwc (dist Moradabad) 8, Moradabad (dist Moradabad) 8, Moradabad Obsy (dist Moradabad) 8, Atrauli (dist Aligarh) 8, Takha (dist Etawah) 8, Sikandra Rao (dist Hathras) 8, Budaun (dist Badaun) 8, Hathras (dist Hathras) 7, Aonla (dist Bareilly) 7, Etawah Obsy (dist Etawah) 7, Sahaswan (dist Badaun) 7, Jansath (dist Muzaffarnagar) 7, Bhogaon (dist Mainpuri) 7, Rath (dist Hamirpur) 7;
- ❖ **Bihar:** Forbesganj (Araria) 18, Motihari (East Champaran) 9, Galgalia (Kishanganj) 9;
- ❖ **East Uttar Pradesh:** Sardanager (dist Kheri) 15, Kunda (dist Pratapgarh) 13, Neemsar (dist Sitapur) 13, Ramnagar (dist Barabanki) 13, Akbarpur Knp Dht (dist Kanpur Dehat) 12, Fatehpur Tehsil (dist Barabanki) 11, Kaiserganj (dist Bahraich) 11, Tirwa (dist Kannauj) 11, Nighasan (dist Kheri) 10, Patti (dist Pratapgarh) 10, Hasanganj (dist Unnao) 10, Kanpur Obsy (dist Kanpur City) 9, Malihabad (dist Lucknow) 9, Lalganj Aara (dist Pratapgarh) 9, Kheri Lakhimpur (dist Kheri) 9, Bhatpurwaghat (dist Sitapur) 8, Hardoi Obsy (dist Hardoi) 8, Hardoi Teh (dist Hardoi) 8, Sirauli Gauspur Tehsil (dist Barabanki) 8, Nawabganj Tehsil (dist Barabanki) 8, Purwa (dist Unnao) 8, Bindki (dist Fatehpur) 8, Pratapgarh (t) (dist Pratapgarh) 7, Chhibramau (dist Kannauj) 7, Ram Sanehi Ghat Tehsil (dist Barabanki) 7, Misrikh (dist Sitapur) 7, Kannauj(t) (dist Kannauj) 7, Lucknow (Ap) (dist Lucknow) 7;
- ❖ **Tamil Nadu:** Lakkur (dist Cuddalore) 14, Manjalaru (dist Thanjavur), Sivaganga (dist Sivaganga) 12 each, Paramathivelur (dist Namakkal) 11, Gobichettipalayam (dist Erode) 10 each, Idayapatti (dist Madurai), Namakkal (dist Namakkal), Puduchatram (dist Namakkal) 9 each, Sendamangalam (dist Namakkal), Veda sandur (dist Dindigul), Tallakulam (dist Madurai), Kodumudi (dist Erode), Dindigul (dist Dindigul), Madurai South (dist Madurai), Kamatchipuram (dist Dindigul) 8 each, Rasipuram (dist Namakkal), Tiruvallur (dist Tiruvallur), Uthiramerur (dist Kancheepuram), Omalur (dist Salem), Kaveripakkam (dist Ranipet), Chembarabakkam (dist Tiruvallur), Chembarabakkam ARG (dist Tiruvallur), Tiruppur PWD (dist Tiruppur), Namakkal Collectorate (dist Namakkal) 7 each;
- ❖ **Uttarakhand:** Nainital (dist Nainital) 13, Mukteshwar (dist Nainital) 10, Haldwani (dist Nainital) 9, Almora (dist Almora) 8, Lohaghat (dist Champawat) 8, Kashipur (dist Udham Singh Nagar) 8, Khatima & Pantnagar Kashipur (dist Udham Singh Nagar) 7 each, Banbasa (dist Champawat) 7, Betalghat (dist Nainital) 7, Pithoragarh (dist Pithoragarh) 7;
- ❖ **Telangana:** Jukkal (dist Kamareddy) 11;
- ❖ **Punjab:** Phangota (dist Pathankot) 10, Ranjit Sagar Dam Site (dist Pathankot) 8;
- ❖ **Royalaseema:** Kuppam (dist Chittoor) 9;
- ❖ **Himachal Pradesh:** Naina Davi (dist Bilaspur) 8;
- ❖ **Marathwada:** Degloor - Fmo (dist Nanded) 8;
- ❖ **Kerala:** Kuppady (Wayanad district) 8;
- ❖ **Interior Karnataka:** Bevoor (dist Koppal) 8, T Narasipur (dist Mysuru) 8, Srirangapatna (dist Mandya) 7;
- ❖ **East Rajasthan:** Bayana (dist Bharatpur) 7;
- ❖ **West Madhya Pradesh:** Sabalgarh (dist Morena) 7;
- ❖ **Coastal Andhra Pradesh:** Mentada (dist Vizianagaram) 7, Palasa (dist Srikakulam) 7, Vizianagaram (dist Vizianagaram) 7.





IMPACT EXPECTED & ACTION SUGGESTED DUE TO-

Isolated very heavy rainfall very likely over East Uttar Pradesh, Bihar, Sub-Himalayan West Bengal & Sikkim and Tamil Nadu on 10th and Arunachal Pradesh on 10th & 11th October, 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.

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

