



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 17th July, 2022
Time of Issue: 1315 hrs IST

Subject: i) Depression over Northeast Arabian Sea off Saurashtra coast.
ii) Rainfall activity likely to increase over Northeastern States & Sub-Himalayan West Bengal from 18th July and northwest India from 19th July for subsequent 3-4 days.

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

- **Heavy to very heavy rainfall with extremely heavy falls** at isolated places occurred over Coastal Karnataka and Odisha; **heavy to very heavy rainfall** at isolated places occurred over Himachal Pradesh, Assam & Meghalaya, Chhattisgarh, ghat areas of Madhya Maharashtra, Konkan & Goa and South Interior Karnataka and **heavy rainfall** at isolated places over East Rajasthan, Arunachal Pradesh, Punjab, Haryana, West Uttar Pradesh, East Madhya Pradesh, Coastal Andhra Pradesh, Telangana, Kerala & Mahe and Tamil Nadu. (**Annexure I**).

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

- The **Depression** over Northeast Arabian Sea off Saurashtra and Kutch coasts moved west-northwestwards during last 6 hours with a speed of 10 kmph and lay centered at 0830 hours IST of 17th July, 2022 over the same region near latitude 23.0°N and longitude 68.2°E, about 220 km northwest of Porbandar (Gujarat), 110 km west-northwest of Okha (Gujarat), 80 km west-southwest of Naliya (Gujarat) and 240 km south-southeast of Karachi (Pakistan). It is very likely to maintain the intensity of depression during next 24 hours and weaken thereafter into a well marked low pressure area. It is very likely to move nearly westwards towards Oman coast across northwest Arabian Sea during next 48 hours.
- A **Low Pressure Area** lies over north Odisha & neighbourhood with the associated cyclonic circulation extending upto middle tropospheric levels.
- The monsoon trough is active and south of its normal position. It is very likely to shift gradually northwards from tonight.
- An off-shore trough at mean sea level runs from Gujarat Coast to Maharashtra.
- **Under the influence above systems;**
 - Fairly widespread/widespread light/moderate rainfall & **thunderstorm/lightning** very likely over Chhattisgarh, Vidarbha, Madhya Pradesh, Odisha, Konkan & Goa, Kerala & Mahe, Karnataka and Lakshadweep during next 5 days.
 - ✓ **Isolated heavy rainfall** very likely over Madhya Pradesh and Chhattisgarh during 17th-21st; Vidarbha on 19th; Coastal Karnataka on 18th & 19th; South Interior Karnataka on 18th; North Interior Karnataka on 17th; Konkan & Goa on 17th & 18th; Kerala & Mahe during 17th-20th July, 2022.

- ✓ **Isolated very heavy rainfall also likely over West Madhya Pradesh on 19th; Coastal & South Interior Karnataka and Chhattisgarh on 17th and Vidarbha on 17th & 18th July, 2022.**
- Scattered to fairly widespread rainfall very likely over Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam and Telangana during next 5 days and over Gujarat State 3 days and reduce thereafter. Isolated rainfall also likely over Rayalaseema Tamil Nadu, Puducherry & Karaikal during next 5 days.
 - ✓ **Isolated heavy rainfall** very likely over north Coastal Andhra Pradesh & Yanam on 17th; Gujarat region, Marathawada and Telangana on 18th; Tamil Nadu during 17th-19th; Madhya Maharashtra on 17th & 18th July, 2022.
- Scattered to fairly widespread light/moderate rainfall with isolated **thunderstorm/lightning** very likely over Jammu & Kashmir, Himachal Pradesh & Uttarakhand during next 3 days and fairly widespread to widespread rainfall with **isolated heavy falls** over the region during 18th-21st July, 2022.
 - ✓ **Isolated very heavy rainfall very likely over Himachal Pradesh on 20th and over Uttarakhand during 19th-21st July, 2022.**
- Isolated rainfall activity with **thunderstorm & lightning** very likely over Punjab, Haryana, Chandigarh-Delhi & Uttar Pradesh during next 3 days and fairly widespread to widespread rainfall with **isolated heavy falls, thunderstorm & lightning** also likely over the region during 19th -21st July, 2022.
 - ✓ Fairly widespread light/moderate rainfall with **isolated heavy falls** very likely over West Rajasthan on 17th and East Rajasthan during 17th-20th July, 2022.
- Widespread light/moderate rainfall with **heavy falls** very likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during next 5 days.
 - ✓ **Isolated very heavy falls also likely over Arunachal Pradesh, Assam & Meghalaya during 18th-21st July, 2022.**

Fishermen Warnings:

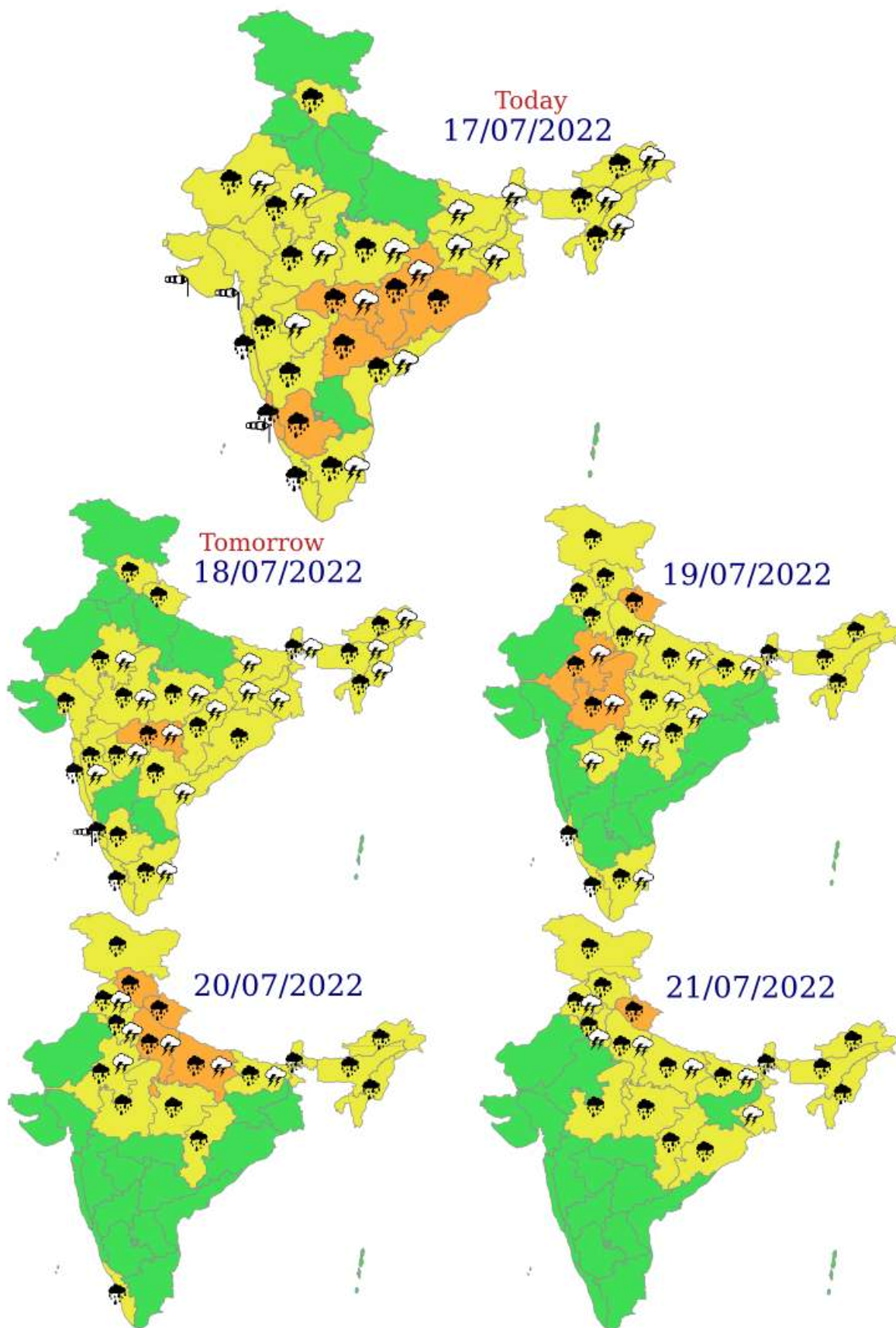
- ✓ **17th July:** Squally weather with wind speed reaching 45-55 kmph gusting to 65 kmph very likely along & off Gujarat Coasts till evening of today, the 17th July and decrease thereafter gradually becoming 30-40 kmph gusting to 50 kmph by 18th morning. Squally weather with wind speed reaching 45-55 kmph gusting to 65 kmph very likely over northeast and adjoining northwest Arabian Sea. Strong winds with speed reaching 45-55 kmph gusting to 65 kmph very likely over westcentral and adjoining southwest Arabian Sea. Strong winds with speed reaching 40-50 kmph gusting to 60 kmph very likely over eastcentral and adjoining south Arabian Sea.
- ✓ **18th July:** Squally weather with wind speed reaching 40-50 kmph gusting to 70 kmph very likely over northwest Arabian Sea. Strong winds with speed reaching 45-55 kmph gusting to 65 kmph very likely over westcentral Arabian Sea. **(Annexure III)**

For more details kindly refer:

https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php

Rainfall (in cm):

- ❖ **Odisha:** Gajapati: Nuagada-24, Udaigiri-23, Gumma-13, Khurda: Tangi-21, Banpur-20, Kandhamal: Phulbani-18, Khajuripada-16, Jajpur: Bari-16, Nayagarh: Daspalla, Nuagaon And Odagaon-15 Each, Angul: Pallahara-9, Bargarh: Gaisilet-8, Bolangir: Saintala-19, Bolangir-12, Cuttack: Mahanga-13,
- ❖ **Madhya Maharashtra:** Igatpuri (dist Nashik) 13, Lonavala_agri (dist Pune) 12, Mahabaleshwar- Imd Obsy (dist Satara) 11, Ajra (dist Kolhapur) 10, Radhanagari (dist Kolhapur) 9, Gaganbawada (dist Kolhapur) 7,
- ❖ **Tamil Nadu:** The Nilgiris: Upperbhavani and Avalanche-7 each;
- ❖ **Kerala & Mahe:** Malappuram: Perinthalamanna-11, Angadipuram-9, Manjeri-8, Karipur-7, Palakkad: Adakkaputhur-10, Mankara, Mannarkkad And Ottapalam-7 Each, Kozhikode: Quilandi-9, Kakkayam-7, Pathanamthitta: Konni-8, Wynad: Padinjarathara Dam-8, Cannur: Mattannur-7;
- ❖ **Coastal Karnataka:** Castle Rock (dist Uttara Kannada) 23, Gersoppa (dist Uttara Kannada) 18, Mulki (dist Dakshina Kannada) 16, Manki (dist Uttara Kannada) 13, Ankola (dist Uttara Kannada) 12, Karwar Obsy (dist Uttara Kannada) 12, Yellapur (dist Uttara Kannada) 11, Shirali Pto (dist Uttara Kannada) 10, Kollur (dist Udupi) 10, Honavar Obsy (dist Uttara Kannada) 10, Gokarna (dist Uttara Kannada) 9, Kumta (dist Uttara Kannada) 9, Siddapura (dist Udupi) 8, Sulya (dist Dakshina Kannada) 8, Kota (dist Udupi) 8, Belthangadi (dist Dakshina Kannada) 7, Kundapur (dist Udupi) 7, Udupi (dist Udupi) 7,
- ❖ **Assam & Meghalaya:** Cachar: Amraghat-18, Dholai-10, Karimganj: Karimganj-9, B P Ghat -7, Udalguri: Udalguri-8, Sonitpur: Tezpur-7, East Khasi Hills: Shora-7,
- ❖ **South Interior Karnataka:** Bhagamandala (dist Kodagu) 14, Linganamakki Hms (dist Shivamogga) 11, Sringeri Hms (dist Chikkamagaluru) 8, Jayapura (dist Chikkamagaluru) 7, Virajpet (dist Kodagu) 7,
- ❖ **Arunachal Pradesh:** Namsai: Namsai-9,
- ❖ **East Rajasthan:** Ajmer: Srinagar SR-7,
- ❖ **East Madhya Pradesh:** Waraseoni (dist Balaghat) 11, Lanji (dist Balaghat) 9, Balaghat-aws (dist Balaghat) 7,
- ❖ **West Uttar Pradesh:** Orai: Orai-7,
- ❖ **Konkan & Goa:** Ponda (dist North Goa) 19, Matheran (dist Raigad) 12, Pernem (dist North Goa) 11, Dodamarg (dist Sindhudurg) 9, Dabolim N.a.s.- Navy (dist South Goa) 9, Mormugao - Pmo Imd (dist South Goa) 9, Kudal (dist Sindhudurg) 8, Karjat_agri (dist Raigad) 8, Canacona (dist South Goa) 7, Sawantwadi (dist Sindhudurg) 7, Sanguem (dist South Goa) 7, Jawhar (dist Palghar) 7, Panjim - Imd Obsy (dist North Goa) 7, Lanja (dist Ratnagiri) 7,
- ❖ **Punjab:** Derabassi(basi) (dist Sas Nagar (mohali)) 9, Bhatinda laf (dist Bhatinda) 9, Chamkor Sahib Arg (dist Rupnagar) 8, Halwara laf (dist Ludhiana) 8, Fatehgarh Sahib Aws (dist Fatehgarh Sahib) 7, Patiala (dist Patiala) 7,
- ❖ **Haryana:** Rajaund (dist Kaithal) 11, Assandh (dist Karnal) 11, Paundri Rev (dist Kaithal) 11, Beri (dist Jhajjar) 9, Panipat (dist Panipat) 8,
- ❖ **Chhattisgarh:** Mahasamund (dist Mahasamund) 20, Rajim (dist Gariaband) 9, Balod (dist Balod) 9, Takhatpur (dist Bilaspur) 8, Charama (dist Kanker) 8, Chhura (dist Gariaband) 7;
- ❖ **Himachal Pradesh:** Solan: Kasauli-16,
- ❖ **Coastal Andhra Pradesh:** Velairpad (dist West Godavari) 9, Koyalagudem (dist West Godavari) 9, Kukunoor (dist West Godavari) 8, Mandasa (dist Srikakulam) 7, Chintur (dist East Godavari) 7,
- ❖ **Telangana:** Pinapaka (dist B. Kothagudem) 9, Govindaraopet (dist Mulugu) 9, Manuguru (dist B. Kothagudem) 8,



EXPECTED IMPACT & ACTION SUGGESTED DUE TO-

Isolated very heavy rainfall over Himachal Pradesh and Uttar Pradesh on 20th ; Vidarbha on 17th & 18th; Odisha , Chhattisgarh, Telangana, Coastal & South Interior Karnataka on 17th; Uttarakhand during 19th-21st and East Rajasthan & West Madhya Pradesh on 19th July, 2022.

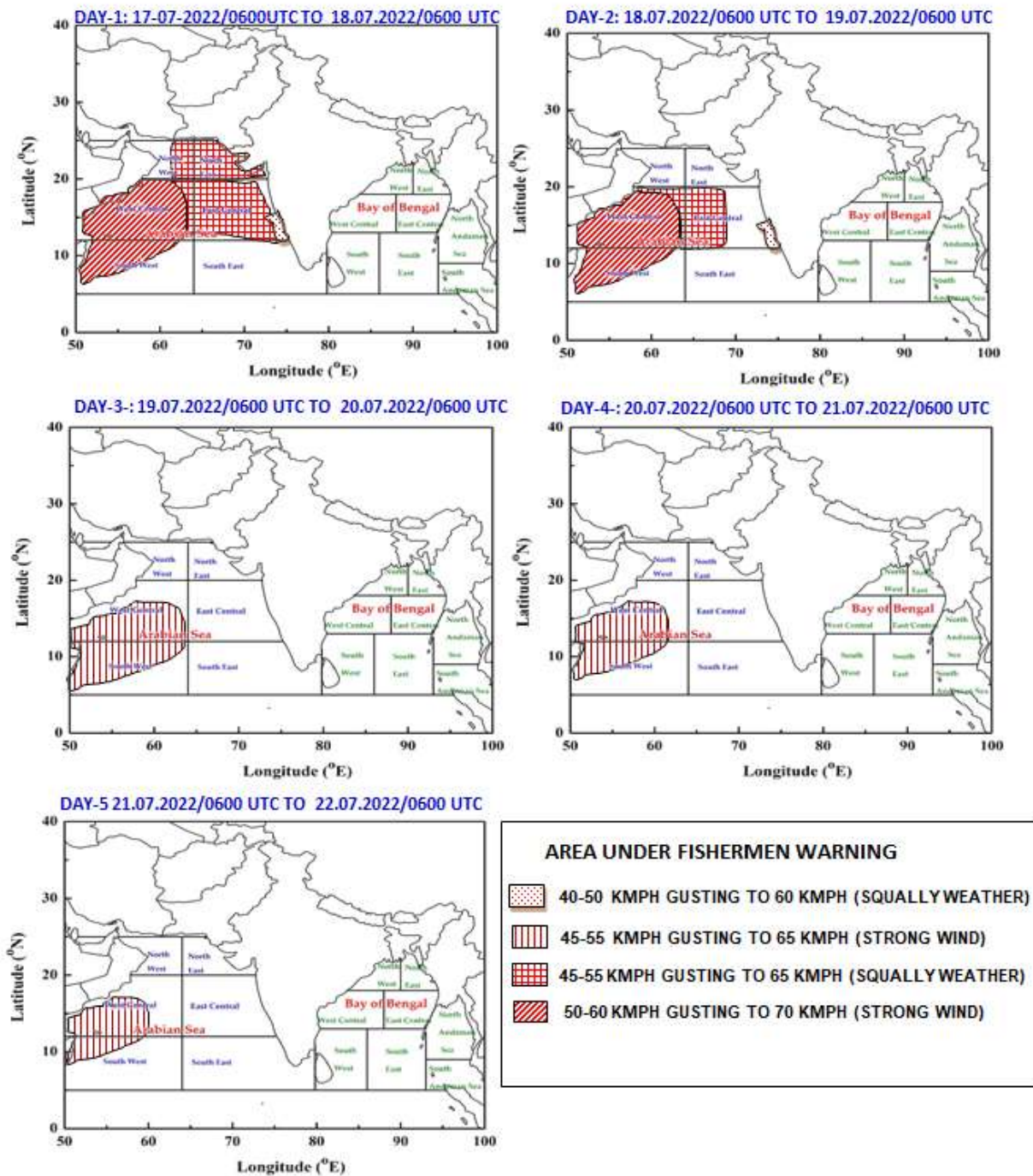
A. Impact Expected

- 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.

**INDIA METEOROLOGICAL DEPARTMENT
FISHERMAN WARNING FOR BAY OF BENGAL AND ARABIAN SEA**



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

