



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

**Press Release
Date: 18th July, 2022
Time of Issue: 1250 hrs IST**

Subject: Rainfall activity likely to increase over Northwest India from 19th July and over Northeastern States & Sub-Himalayan West Bengal from 18th July for subsequent 3 days.

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

- **Heavy to very heavy rainfall** at isolated places occurred over Madhya Pradesh, Vidarbha, Chhattisgarh, Coastal Andhra Pradesh and Coastal & South Interior Karnataka and **heavy rainfall** at isolated places over West Rajasthan, Madhya Maharashtra, Assam & Meghalaya, Odisha, Gujarat Region, Telangana and Tamil Nadu. (**Annexure I**).

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

- Yesterday's **Depression** over Northeast Arabian Sea off Saurashtra-Kutch coast has weakened into a **Well Marked Low Pressure Area** over central parts of north Arabian Sea with the associated cyclonic circulation extending upto middle tropospheric levels.
- A Low Pressure Area lies over northeast Vidarbha & neighbourhood with the associated cyclonic circulation extends upto middle tropospheric levels.
- The monsoon trough has shifted slightly northwards and is very likely to continue to shift further northwards towards its normal position during next 2-3 days.
- **Under the influence of above systems;**
 - Fairly widespread to widespread light/moderate rainfall with **isolated heavy falls** and **thunderstorm/lightning** very likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Uttar Pradesh during 19th-22nd July, 2022.
 - ✓ **Isolated to scattered very heavy rainfall very likely over Uttarakhand on 20th July, 2022.**
 - ✓ **Isolated very heavy rainfall also likely over Himachal Pradesh, Punjab, Haryana, Chandigarh & Uttar Pradesh on 20th July, 2022.**
 - ✓ **Isolated heavy rainfall very likely over East Rajasthan on 18th and isolated very heavy rainfall also likely on 19th July, 2022.**
 - Widespread light/moderate rainfall with **heavy falls** very likely over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during next 5 days.
 - ✓ **Isolated very heavy falls also likely over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh and Assam & Meghalaya on 18th & 19th July, 2022.**
 - Fairly widespread/widespread light/moderate rainfall & **thunderstorm/lightning** very likely over Chhattisgarh, Vidarbha, Madhya Pradesh, Konkan & Goa, Kerala & Mahe, Coastal Karnataka and Lakshadweep during next 5 days.

- ✓ **Isolated heavy rainfall** very likely over Konkan & Goa on 18th & 19th; Coastal Karnataka during 18th-20th; East Madhya Pradesh on 19th & 20th; West Madhya Pradesh on 21st & 22nd; Vidarbha during 20th-22nd; Chhattisgarh during 19th-22nd and over Kerala & Mahe during 18th-22nd July, 2022.
- ✓ **Isolated very heavy rainfall also likely over Vidarbha on 18th & 19th; West Madhya Pradesh during 18th-20th and over East Madhya Pradesh on 18th, 21st & 22nd July, 2022.**
- Scattered to fairly widespread rainfall very likely over Odisha, Gujarat State, Madhya Maharashtra, Marathwada, Tamil Nadu, Puducherry & Karaikal, Interior Karnataka, Coastal Andhra Pradesh & Yanam and Telangana during next 5 days.
 - ✓ **Isolated heavy rainfall** very likely over Marathawada & north Coastal Andhra Pradesh & Yanam on 18th; Gujarat region, Madhya Maharashtra & South Interior Karnataka on 18th & 19th; Tamil Nadu during 18th-20th and over Telangana on 18th & 22nd July, 2022.

Fishermen Warnings:

- ✓ **18th July:** Strong winds with speed reaching 45-55 kmph gusting to 65 kmph are very likely over westcentral and adjoining southwest Arabian Sea and 40-50 kmph gusting to 60 kmph are very likely over eastcentral & adjoining southeast Arabian Sea. Squally weather with wind speed reaching 40-50 kmph gusting to 60 kmph is likely over Comorin and Maldives areas. Squally weather with wind speed reaching 40-50 kmph gusting to 60 kmph is likely along & off South Odisha and adjoining North Andhra Pradesh coasts.
- ✓ **19th July:** Strong winds with speed reaching 45-55 kmph gusting to 65 kmph are very likely over westcentral and adjoining southwest Arabian Sea and 40-50 kmph gusting to 60 kmph are very likely over eastcentral and adjoining southeast Arabian Sea. Fishermen are advised not to venture into these areas. **(Annexure III)**

For more details kindly refer:

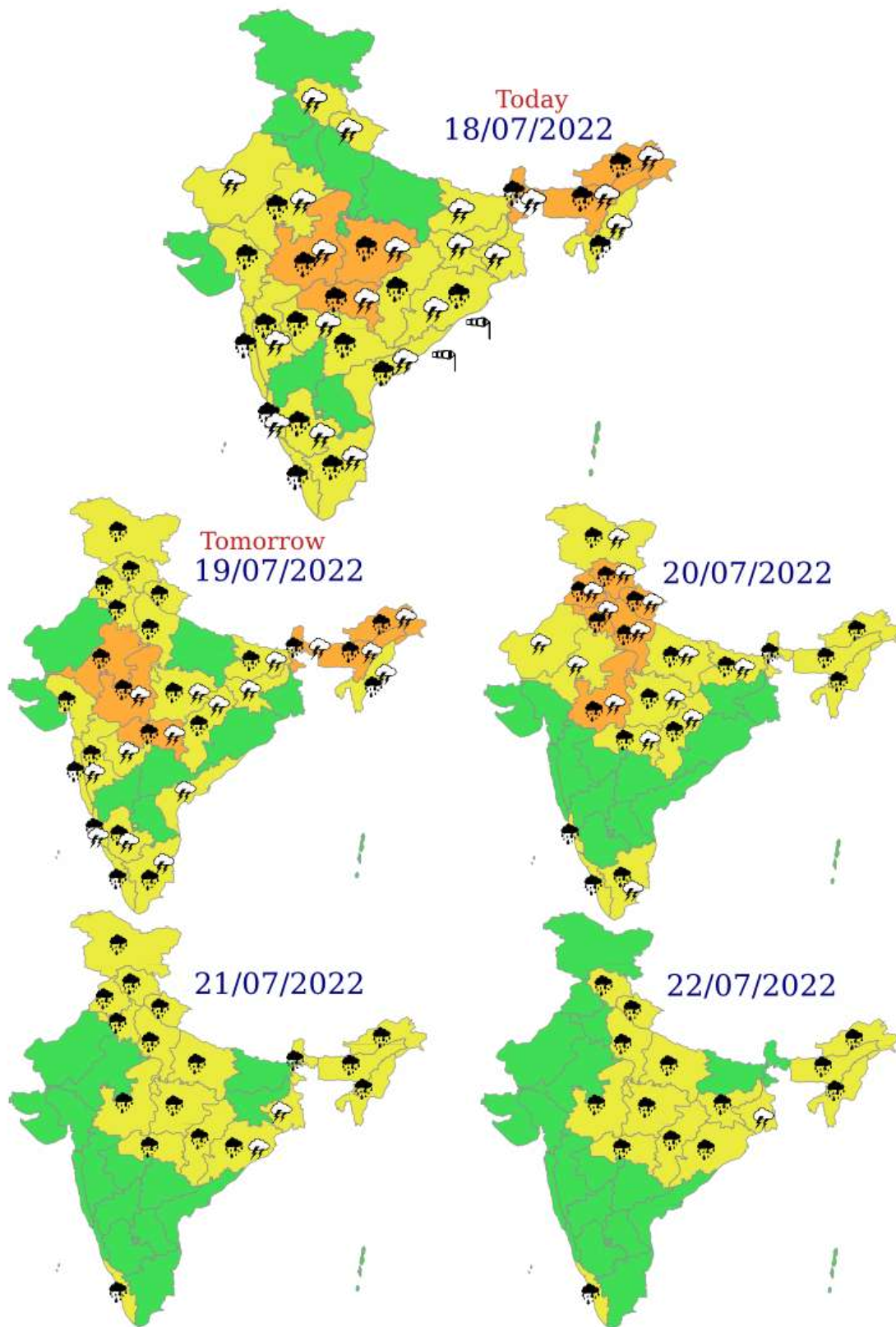
https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php

Annexure I

Rainfall (in cm):

- ❖ **East Madhya Pradesh:** Barghat (dist Seoni) 19, Kareli (dist Narsinghpur) 15, Katangi (dist Balaghat) 11, Harrai (dist Chindwara) 11, Kurai (dist Seoni) 11, Pushprajgarh (dist Anuppur) 10, Seoni (dist Seoni) 9, Ghansore (dist Seoni) 8, Waraseoni (dist Balaghat) 8, Tirodi (dist Balaghat) 7;
- ❖ **Vidarbha:** Hinganghat (dist Wardha) 19, Samudrapur (dist Wardha) 19, Gadchiroli (dist Gadchiroli) 16, Ralegaon (dist Yeotmal) 15, Saoli (dist Chandrapur) 14, Wardha (dist Wardha) 14, Etapalli (dist Gadchiroli) 13, Desaiganj (dist Gadchiroli) 13, Bhamragad (dist Gadchiroli) 13, Deoli (dist Wardha) 13, Bhiwapur (dist Nagpur) 13, Kalamb (dist Yeotmal) 13, Selu (dist Wardha) 13, Chimur (dist Chandrapur) 13, Lakhandur (dist Bhandara) 13, Chamorshi (dist Gadchiroli) 12, Dhanora (dist Gadchiroli) 11, Armori (dist Gadchiroli) 11, Pauni (dist Bhandara) 11, Kurkheda (dist Gadchiroli) 10, Babulgaon (dist Yeotmal) 10, Ner (dist Yeotmal) 10, Umrer (dist Nagpur) 10, Mul (dist Chandrapur) 10, Bramhapuri (dist Chandrapur) 9,

- ❖ **West Madhya Pradesh:** Seoni Malwa (dist Narmadapuram) 19, Salwani (dist Raisen) 12, Kalapipal (dist Shajapur) 11, Godadongri (dist Betul) 11, Pachore (dist Rajgarh) 11, Shyampur (dist Sehore) 11, Nalkheda (dist Agar-malwa) 11, Dolariya (dist Narmadapuram) 10, Timarni (dist Harda) 10, Pachmarhi (dist Narmadapuram) 10, Chicholi (dist Betul) 10, Atner (dist Betul) 9;
- ❖ **Coastal Karnataka:** Subramanya (dist Dakshina Kannada) 16, Karkala (dist Udupi) 9, Puttur Hms (dist Dakshina Kannada) 8, Belthangadi (dist Dakshina Kannada) 8, Dharmasthala (dist Dakshina Kannada) 8, Gersoppa (dist Uttara Kannada) 7;
- ❖ **Chhattisgarh:** Pakhanjur (dist Kanker) 15, Dhamtari (dist Dhamtari) 14, Bijapur (dist Bijapur) 12, Manpur (dist Rajnandgaon) 10, Mohla (dist Rajnandgaon) 9, Gurur (dist Balod) 8, Magarlod (dist Dhamtari) 8, Bhairamgarh (dist Bijapur) 8, Kurud (dist Dhamtari) 8, Dondilohara (dist Balod) 8, Narayanpur (dist Narayanpur) 7;
- ❖ **Coastal Andhra Pradesh:** Repalle (dist Guntur) 12, Bheemavaram (dist West Godavari) 7, Tanuku (dist West Godavari) 7;
- ❖ **Telangana:** Gandhari (dist Kamareddy) 9, Varni (dist Nizamabad) 9, Tadwai (dist Kamareddy) 9, Banswada (dist Kamareddy) 8, Bodhan (dist Nizamabad) 8, Kamareddy (dist Kamareddy) 8, Kammar Palle (dist Nizamabad) 7,
- ❖ **Tamil Nadu:** The Nilgiris: Naduvattam-8, Sivagangai: Thiruppuvanam-7;
- ❖ **West Rajasthan:** Bikaner: Kajuwala SR-8;
- ❖ **South Interior Karnataka:** Jayapura (dist Chikkamagaluru) 7, Sringeri Hms (dist Chikkamagaluru) 7, Koppa (dist Chikkamagaluru) 7, Bhagamandala (dist Kodagu) 7;
- ❖ **Gujarat Region:** Dholka (dist Ahmedabad) 7;
- ❖ **Odisha:** Boudhgarh-12, Sonepuir-9, Angul-7;
- ❖ **Madhya Maharashtra:** Mahabaleshwar- Imd Obsy (dist Satara) 7;
- ❖ **Assam & Meghalaya:** Mawsynram-8;



EXPECTED IMPACT & ACTION SUGGESTED DUE TO-

Isolated very heavy rainfall over Uttarakhand, Himachal Pradesh, Punjab, Haryana, Chandigarh & Uttar Pradesh on 20th ; Vidarbha on 18th & 19th; West Madhya Pradesh during 18th-20th; East Madhya Pradesh on 18th, 21st & 22nd; East Rajasthan on 19th; Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh and Assam & Meghalaya on 18th & 19th July, 2022.

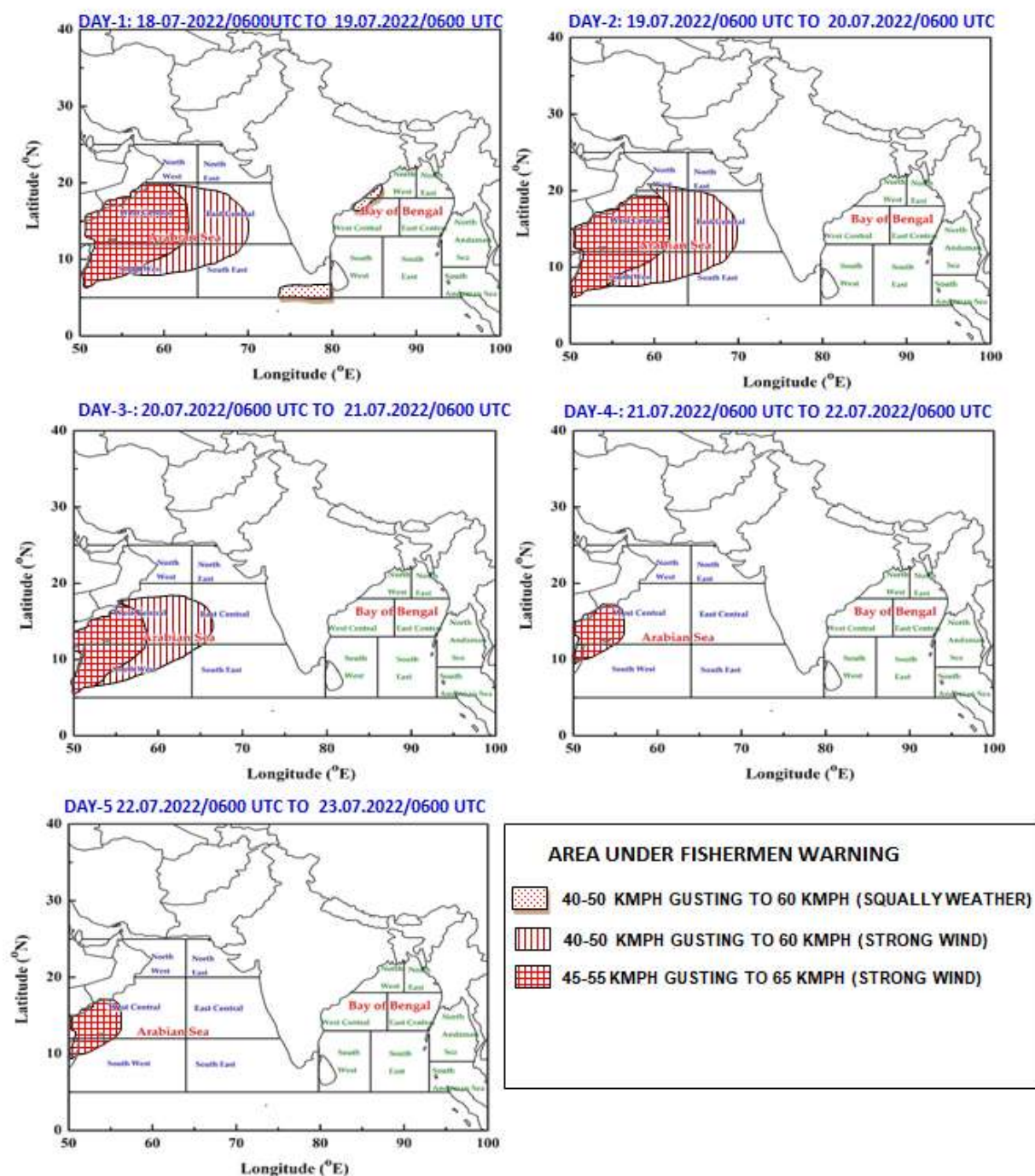
A. Impact Expected

- 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

