



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 15th July, 2022
Time of Issue: 1320 hrs IST

Subject: i) A Well Marked Low Pressure Area lies over Northeast Arabian Sea & adjoining coastal areas of Saurashtra & Kutch.
ii) Rainfall intensity is likely to reduce over Konkan & Goa, Gujarat Region, Madhya Maharashtra and Saurashtra & Kutch from today, 15th July, 2022.
iii) Rainfall activity likely to increase over Himachal Pradesh, Uttarakhand, Uttar Pradesh, Bihar & Sub-Himalayan West Bengal and Northeastern States from 18th July for subsequent 5 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 Gujarat State, West Rajasthan, West Madhya Pradesh, Konkan & Goa, Madhya Maharashtra, South Interior Karnataka & Tamil Nadu; **heavy to very heavy rainfall** at isolated places occurred over Punjab, Himachal Pradesh, Chhattisgarh, East Rajasthan, Vidarbha, Odisha and Kerala and **heavy rainfall** at isolated places over East Madhya Pradesh, Haryana-Chandigarh and Coastal & North Interior Karnataka. (**Annexure I**).

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

- A **Well Marked Low Pressure Area** lies over Northeast Arabian Sea and adjoining coastal areas of Saurashtra & Kutch. The associated cyclonic circulation extends upto upper tropospheric levels. It is likely to move gradually westwards and concentrate into a **Depression** during next 24 hours.
- Another **Low Pressure Area** lies over coastal Odisha & neighbourhood with the associated cyclonic circulation extending upto upper tropospheric levels.
- The monsoon trough is active and south of its normal position. It is likely to shift gradually northwards from 17th July, 2022.
- 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** with isolated **heavy rainfall** very likely over Chhattisgarh, Vidarbha, Madhya Pradesh, Odisha, Konkan & Goa, Kerala & Mahe and Coastal Karnataka during next 5 days and over Madhya Maharashtra, Gujarat State and Interior Karnataka during next 2-3 days and reduce thereafter.
 - ✓ **Isolated very heavy rainfall** very likely over Gujarat region, ghat areas Madhya Maharashtra, Konkan & Goa & Coastal Karnataka on 15th; South Interior Karnataka, Saurashtra & Kutch and Odisha on 15th & 16th; Chhattisgarh during 15th-17th; West Madhya Pradesh on 15th & 19th and over East Madhya Pradesh on 18th & 19th; July, 2022.

- Scattered/fairly widespread light/moderate rainfall activity very likely over Coastal Andhra Pradesh & Yanam and Telangana and isolated/scattered rainfall activity over Rayalaseema Tamil Nadu, Puducherry & Karaikal during next 5 days.
 - ✓ Isolated **heavy to very heavy rainfall** also likely over Tamil Nadu, Puducherry & Karaikal on 15th & 16th July, 2022.
- Scattered to fairly widespread light/moderate rainfall with isolated **thunderstorm/lightning** very likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Rajasthan and isolated rainfall activity over Uttar Pradesh during next 3 days with increase in rainfall activity thereafter.
 - ✓ Isolated **heavy rainfall** very likely over Jammu & Kashmir on 15th; Himachal Pradesh on 15th & 16th; Punjab & Haryana on 15th & 19th; Rajasthan on 17th; Uttarakhand on 16th & 17th and over East Uttar Pradesh on 18th July, 2022. Isolated **heavy to very heavy rainfall** also likely over Rajasthan on 15th & 16th; Himachal Pradesh & Uttar Pradesh on 19th and over Uttarakhand on 18th & 19th July, 2022.
- **15 July: Squally weather** with wind speed reaching 40-50 kmph gusting to 60 kmph very likely over northeast Arabian Sea and along & off Gujarat, Maharashtra and Karnataka coasts. Fishermen are advised not to venture into these areas. (**Annexure III**)
- **16 July: Squally weather** with wind speed reaching 50-60 kmph gusting to 70 kmph very likely over northeast Arabian Sea and along & off Gujarat coast and 40-50 kmph along & off Maharashtra & Karnataka coasts. **Strong winds** with speed reaching 40-50 kmph gusting to 60 kmph very likely over eastcentral and adjoining south Arabian Sea. Fishermen are advised not to venture into these areas.

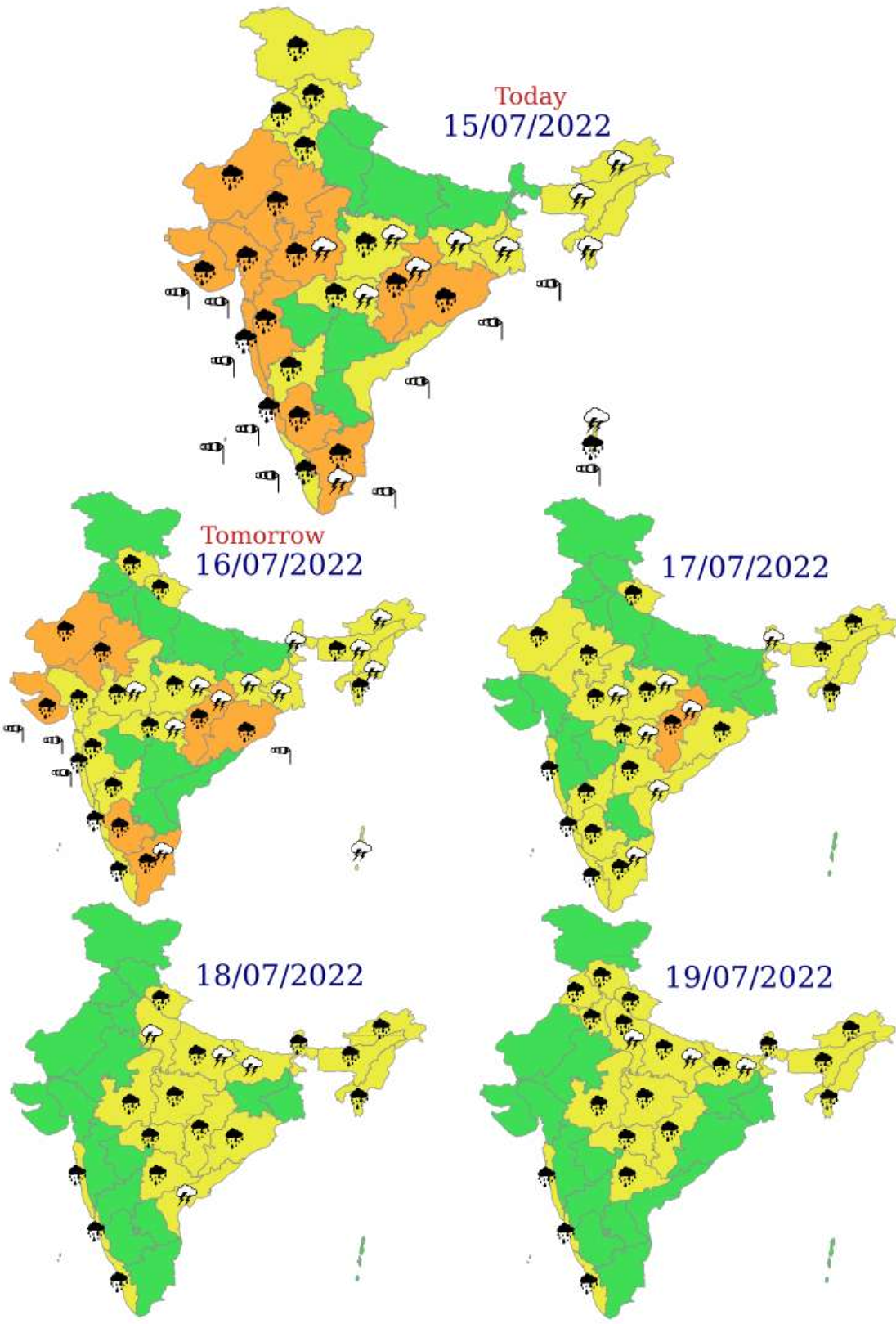
For more details kindly refer:

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

Rainfall (in cm):

- ❖ **Konkan & Goa:** Matheran (dist Raigad) 35, Jawhar (dist Palghar) 22, Karjat_agri (dist Raigad) 21, Mokheda - Fmo (dist Palghar) 19, Shahapur (dist Thane) 19, Vikramgad (dist Palghar) 17, Wada (dist Palghar) 16, Pen (dist Raigad) 16, Khalapur (dist Raigad) 14, Bhiwandi (dist Thane) 13, Palghar_agri (dist Palghar) 13, Murbad (dist Thane) 13, Talasari (dist Palghar) 13, Uran (dist Raigad) 12;
- ❖ **Tamil Nadu:** The Nilgiris: Upperbhawani-34, Avalanche-32, Gudalur Bazaar-17, Upper Gudalur-16, Devala-10, Coimbatore: Sholayar-13, Chinnakalar-11, Valparai Taluk Ofc-11, Valparai PTO-7;
- ❖ **West Rajasthan:** Sri Ganganagar: Sri Ganganagar Tehsil SR-26, Ganganagar-24, Jaisalmer: Ramgarh-8;
- ❖ **Gujarat Region:** Kaprada (dist Valsad) 25, Chikhli (dist Navsari) 24, Khanvel (dist Dadara & Nagar Haveli) 23, Gandevi (dist Navsari) 23, Silvassa (dist Dadara & Nagar Haveli) 23, Dharampur (dist Valsad) 21, Navsari (dist Navsari) 21, Navasari_aws (dist Navsari) 19, Jalalpor (dist Navsari) 18, Madhbun (dist Dadara & Nagar Haveli) 18, Vansda (dist Navsari) 17, Khergam (dist Navsari) 17, Dolvan (dist Tapi) 16, Valsad_Kvk Aws (dist Valsad) 14, Pardi (dist Valsad) 14, Waghai (dist Dangs) 13;
- ❖ **Saurashtra & Kutch:** Sutrapada (dist Gir Somnath) 24, Veraval (dist Gir Somnath) 13, Manavadar (dist Junagadh) 13, Talala (dist Gir Somnath) 12, Kutiana (dist Porbandar) 12, Ranavav (dist Porbandar) 11, Keshod (dist Junagadh) 10;
- ❖ **South Interior Karnataka:** Kottigehara (dist Chikkamagaluru) 24, Bhagamandala (dist Kodagu) 20, Sakleshpura (dist Hassan) 13, Hunchadakatte (dist Shivamogga) 11, Napoklu (dist Kodagu) 11, Sringeri Hms (dist Chikkamagaluru) 10, Ponnampet Pwd (dist Kodagu) 8, Jayapura (dist Chikkamagaluru) 7, Somwarpet (dist Kodagu) 7;
- ❖ **Madhya Maharashtra:** Lonavala_agri (dist Pune) 21, Igatpuri (dist Nashik) 17, Mahabaleshwar- Imd Obsy (dist Satara) 13, Ajra (dist Kolhapur) 11, Peth (dist Nashik) 11, Harsul - Fmo (dist Nashik) 10, Ozarkheda - Fmo (dist Nashik) 10, Gaganbawada (dist Kolhapur) 10;
- ❖ **West Madhya Pradesh:** Itarsi (dist Narmadapuram) 20, Dolariya (dist Narmadapuram) 13, Gulana (dist Shajapur) 9;
- ❖ **Kerala & Mahe:** Kozhikode: Peruvannamuzhi-18, Urumi-12, Wayanad:Padinjarathara_Dam-14, Mananthavady-10, Vythiri (VYT)-11; Malappuram: Karipur AP-10, Manjeri-8, Palakkad: Palakkad-9, Thrithala & Patambi-8 each, Idukki: Meencut-12, Ayyappankovil-10, Kannur: Ayyankunnu-12;
- ❖ **Odisha:** Sundargarh: Jharsuguda: Hemgiri-16, Deogaon-13, Lakhanpur-9, Deogarh: Reamal-7, Keonjhar: Ghasipura-8, Kandhamal:Chakapad-7, Kalinga-7;
- ❖ **Vidarbha:** Saoner (dist Nagpur) 14, Umrer (dist Nagpur) 11, Kuhi (dist Nagpur) 9, Bhiwapur (dist Nagpur) 9, Gondia (dist Gondia) 8, Arjuni Morgaon (dist Gondia) 8, Nagpur Aerodrome (dist Nagpur) 8, Korchi (dist Gadchiroli) 8;
- ❖ **Punjab:** Ferozepur Aws (dist Ferozepur) 13, Faridkot (dist Faridkot) 10, Phangota (dist Pathankot) 9, Muktsar Aws (dist Muktsar) 9, Muktsar (dist Muktsar) 8;
- ❖ **East Rajasthan:** Udaipur: Kherwara-12, Sirohi: Pindwara-11, Rajsamand: Amet-10, Jhalawar: Dug-9;
- ❖ **Chhattisgarh:** Tamnar (dist Raigarh) 12, Bijapur (dist Bijapur) 12, Katghora (dist Korba) 9, Dantewara (dist Dantewada) 8, Kartala (dist Korba) 8, Pandharia (dist Kabirdham) 8, Korba (dist Korba) 7, Sarangarh (dist Raigarh) 7;
- ❖ **Himachal Pradesh:** Kangra: Nurpur-12, Dehra Gopipur-11, Bilaspur: Ghumarwin-9;
- ❖ **East Madhya Pradesh:** Sausar (dist Chindwara) 12, Pandhurna (dist Chindwara) 10, Khairlanji (dist Balaghat) 9, Lalburra (dist Balaghat) 9, Umreth (dist Chindwara) 9, Birsa (dist Balaghat) 8, Junnardeo (dist Chindwara) 7;
- ❖ **Coastal Karnataka:** Siddapur (dist Uttara Kannada) 11, Belthangadi (dist Dakshina Kannada) 11, Yellapur (dist Uttara Kannada) 9, Dharmasthala (dist Dakshina Kannada) 8, Kadra (dist Uttara Kannada) 7;
- ❖ **North Interior Karnataka:** Londa (dist Belagavi) 10;

- ❖ **Haryana-Chandigarh:** Uklana Rev (dist Hisar) 9, Rajaund (dist Kaithal) 7, Uchana (dist Jind) 7, Nilokheri (dist Karnal) 7;



EXPECTED IMPACT & ACTION SUGGESTED DUE TO-

Isolated very heavy rainfall over Gujarat region, ghat areas Madhya Maharashtra, Konkan & Goa & Coastal Karnataka on 15th; Rajasthan, Tamil Nadu, South Interior Karnataka, Saurashtra & Kutch and Odisha on 15th & 16th; Chhattisgarh during 15th-17th; West Madhya Pradesh on 15th & 19th; Himachal Pradesh & Uttar Pradesh on 19th and over Uttarakhand & East Madhya Pradesh on 18th & 19th; July, 2022.

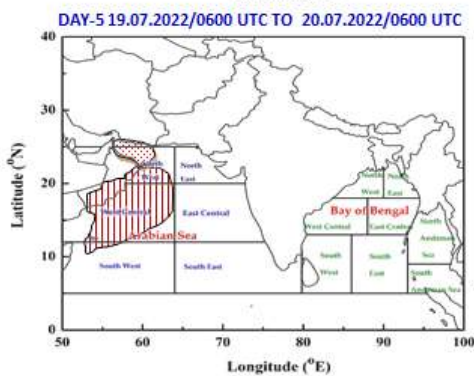
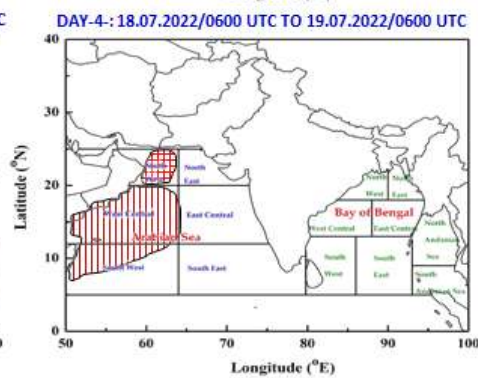
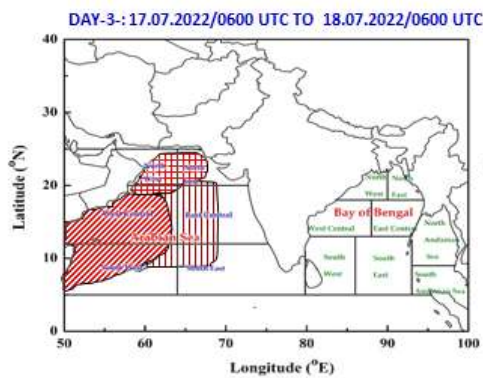
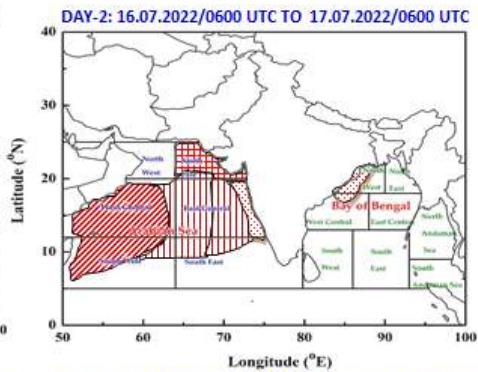
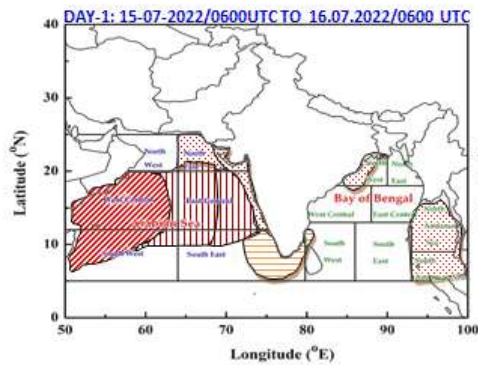
A. Impact Expected

- 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

