



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release

Date: 25th June, 2023

Time of Issue: 1415 hours IST

Subject: i) Advance of Southwest monsoon into most parts of peninsular and central India and some more parts of west & northwest India (including Delhi) today, the 25th June 2023.
ii) Active monsoon conditions over Eastcentral, Northwest & West India during next 4-5 days.

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

Advance of Southwest Monsoon (Annexure II)

- ❖ The Southwest Monsoon has further advanced into remaining parts of Central Arabian Sea, some parts of north Arabian Sea, remaining parts of Maharashtra including Mumbai, Madhya Pradesh and Uttar Pradesh, Delhi, some parts of Gujarat, Rajasthan and Haryana, remaining parts of Uttarakhand and most parts of Himachal Pradesh and some more parts of Jammu, Kashmir and Ladakh, today, the 25th June.
- ❖ The Northern Limit of Monsoon (NLM) now passes through Lat. 20.5°N/ Long. 55°E, Lat. 20.5°N/ Long. 60°E, Lat. 20.5°N/ Long. 65°E, Veraval, Vallabh Vidyanagar, Udaipur, Narnaul, Ambala, Katra and Lat. 35.0°N/ Long. 74°E.
- ❖ Conditions are favourable for further advance of Southwest Monsoon into some more parts of Gujarat, Rajasthan, Haryana, Punjab and remaining parts of Jammu and Kashmir during next 2 days.

Significant Weather features, Forecast and Warning during next 5 days: (Annexure III)

Weather Forecast and Warning for rest parts of the country due to strengthening of the Southwest Monsoon Flow over the Indian subcontinent:

- ❖ Under the influence of cyclonic circulation over Northwest Bay of Bengal and adjoining Odisha-West Bengal coasts today a **Low Pressure Area** formed over the same region. It is very likely to move west-northwestwards across north Odisha & Jharkhand during next 2 days.
- ❖ An east-west trough runs from north Punjab to Northwest Bay of Bengal across Haryana, south Uttar Pradesh, northeast Madhya Pradesh, north Chhattisgarh and north Odisha in lower tropospheric levels.
- ❖ A cyclonic circulation in mid tropospheric levels lies over Northeast Arabian Sea & adjoining Gujarat coast.
- ❖ Under the influence of above meteorological features;

East & adjoining Northeast India:

- ❖ Fairly widespread to widespread light/moderate rainfall with isolated thunderstorm & lightning very likely to continue over the region during next 5 days.
- ❖ **Heavy to Very Heavy rainfall at a few places with Extremely Heavy Falls at isolated places** very likely over Odisha on 25th June.
- ❖ Isolated **Heavy to Very Heavy falls** very likely over Odisha on 26th; over Assam & Meghalaya on 28th & 29th; over Arunachal Pradesh on 29th June.
- ❖ Isolated **heavy rainfall** also likely over parts of East India during next 02 days and over northeast India during next 05 days..

Northwest India:

- ❖ Light/moderate fairly widespread to widespread rainfall with isolated thunderstorm & lightning very likely over Western Himalayan Region during 25th-28th; and over the plains of northwest India (except west Rajasthan) during 25th-28th June.
- ❖ Isolated **Heavy to Very Heavy rainfall with Extremely Heavy Falls** very likely over East Rajasthan on 28th June, heavy

to very heavy rainfall on 26th, 27th & 29th and heavy rainfall on 25th June.

- ❖ Isolated **heavy/heavy to very heavy rainfall** very likely over Uttarakhand during 25th to 269th; over West Uttar Pradesh & Himachal Pradesh on 25th & 26th June. Isolated **heavy rainfall** over many parts of northwest India during next 02 days.

Central India:

- ❖ Light/moderate fairly widespread to widespread rainfall with isolated **heavy falls**, thunderstorm & lightning over the region (Madhya Pradesh, Chhattisgarh & Vidarbha) during next 5 days.
- ❖ Isolated **extremely heavy rainfall** very likely over Chhattisgarh on 26th; East Madhya Pradesh on 26th & 27th; West Madhya Pradesh on 27th & 28th and over Vidarbha on 27th June.
- ❖ Isolated **heavy to very heavy rainfall** very likely over West Madhya Pradesh on 26th & 29th; over East Madhya Pradesh & Chhattisgarh on 25th and over Vidarbha on 26th

South India:

- ❖ Light/moderate scattered to fairly widespread rainfall during next 5 days and with isolated thunderstorm & lightning very likely over the region during next 2 days. **Isolated heavy to very heavy rainfall** also likely over Kerala & Mahe on 27th June. **Isolated heavy rainfall** also likely over Coastal Karnataka during 25th to 29th June.

West India:

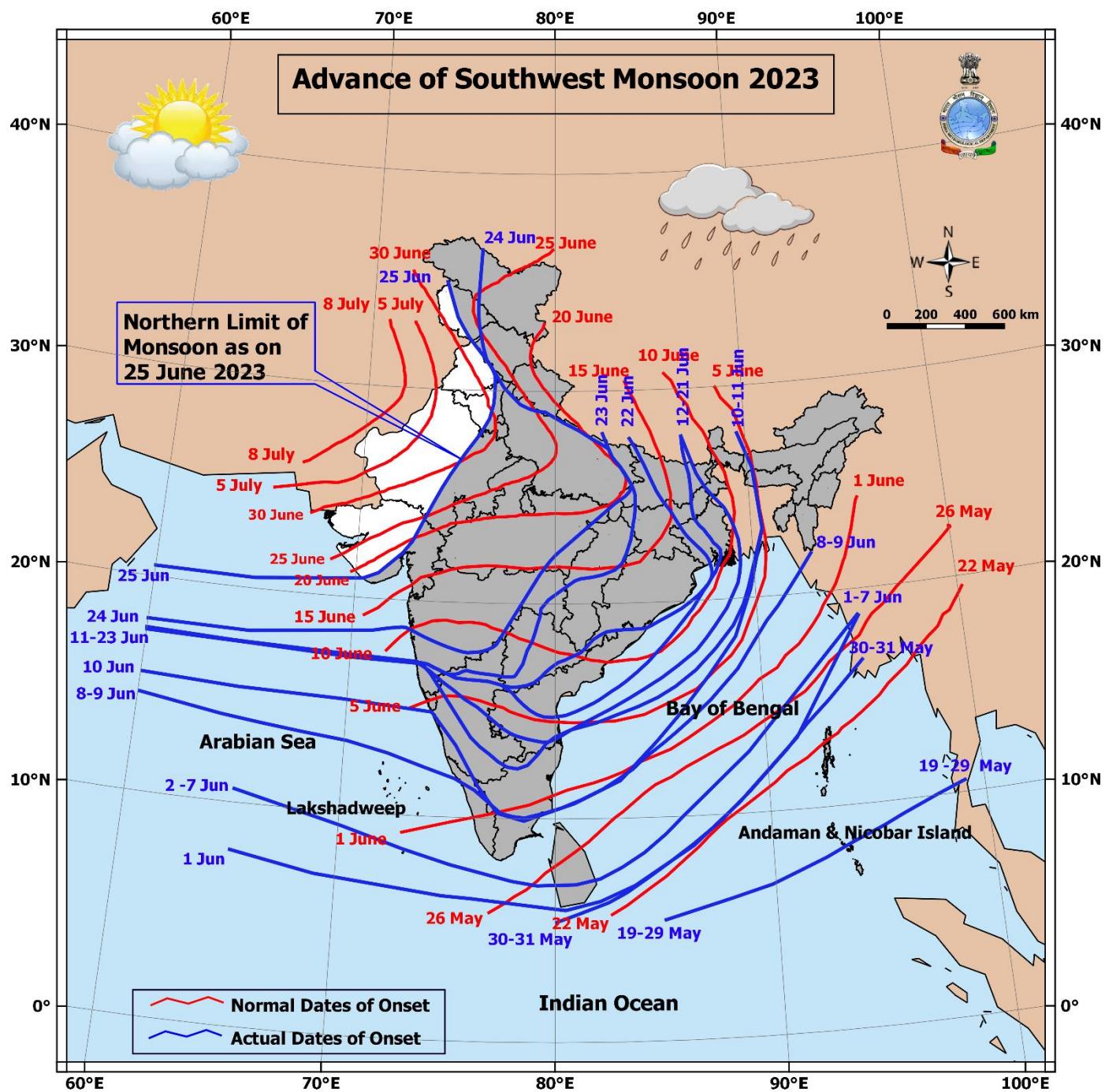
- ❖ Light/moderate fairly widespread to widespread rainfall during next 5 days and with thunderstorm & lightning very likely over Marathwada and Madhya Maharashtra on 25th June. **Isolated Heavy to very Heavy rainfall** is likely over Konkan & Goa and Ghat areas of Madhya Maharashtra during 25th to 29th June.
- ❖ Light/moderate fairly widespread to widespread rainfall over Gujarat Region and Saurashtra & Kutch during next 5 days. **Isolated Heavy rainfall/heavy rainfall** also likely over Gujarat State during 25th-29th June.

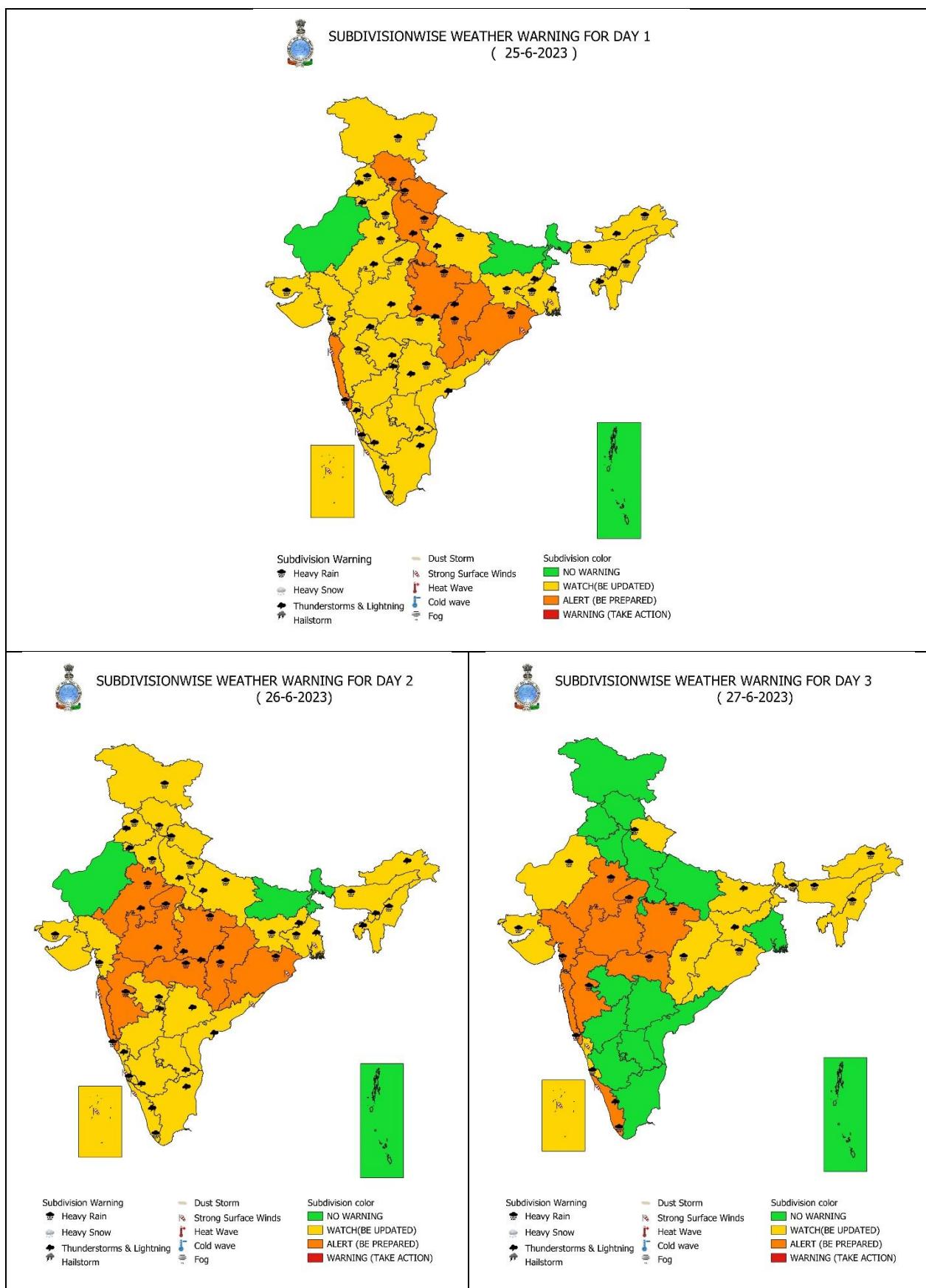
For more details kindly refer:

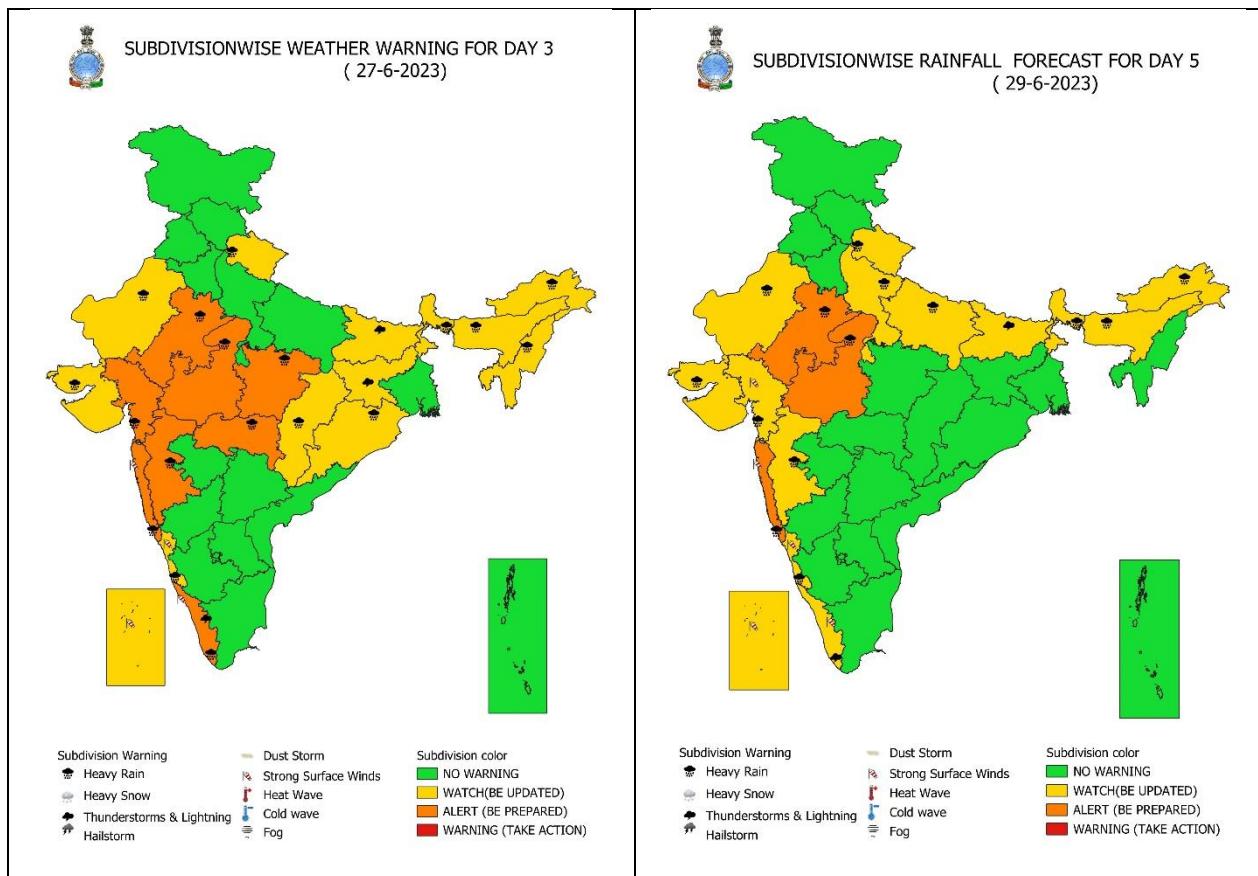
https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php

Weather Observations: (from 0830 hours IST of yesterday to 0830 hours IST of today):

- ❖ **Rainfall/thundershowers observed: at most places** over Odisha, Uttar Pradesh, Uttarakhand, Haryana-Chandigarh-Delhi, Himachal Pradesh, East Rajasthan, Konkan & Goa, Coastal & North Interior Karnataka; **at many places** over West Bengal & Sikkim, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, West Madhya Pradesh, Gujarat Region, Madhya Maharashtra, Marathwada, Vidarbha, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Telangana, Kerala & Mahe, Lakshadweep; **at a few places** over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Andaman & Nicobar Islands, Jharkhand, West Rajasthan, East Madhya Pradesh, Saurashtra & Kutch, South Interior Karnataka; **at isolated places** over Arunachal Pradesh, Bihar, Punjab, Rayalaseema, Tamil Nadu, Puducherry & Karaikal.
- ❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): Extremely heavy rainfall at isolated places over West Uttar Pradesh and Konkan & Goa; **Very heavy rainfall** at isolated places over Uttarakhand, Odisha and Himachal Pradesh and **heavy rainfall** at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, East Uttar Pradesh, Haryana-Chandigarh-Delhi, East Rajasthan, Madhya Pradesh, Gujarat State, Madhya Maharashtra, Marathwada, Vidarbha, Chhattisgarh and Coastal Karnataka.
- ❖ **Significant rainfall recorded (in cm)** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Konkan & Goa**: Santacruz - Imd Obsy (dist Mumbai Suburban) 18, Tala (dist Raigad) 15, Matheran (dist Raigad) 14, Harnai Imd Obsy (dist Ratnagiri) 14, Palghar_agri (dist Palghar) 14, Panvel_agri (dist Raigad) 13, Lanja (dist Ratnagiri) 12, Canacona (dist South Goa) 12, Kankavli (dist Sindhudurg) 11, Dapoli_agri (dist Ratnagiri) 11, Ratnagiri - Imd Obsy (dist Ratnagiri) 11, Mandangad (dist Ratnagiri) 11, Mangaon (dist Raigad) 10, Poladpur (dist Raigad) 10, Mahalaxmi_aws (dist Mumbai City) 9, Shriwardhan (dist Raigad) 9, Ambernath (dist Thane) 9, Devgad (dist Sindhudurg) 9, Malvan (dist Sindhudurg) 9, Sanguem (dist South Goa) 9, Roha (dist Raigad) 9, Colaba - Imd Obsy (dist Mumbai City) 9, Karjat_agri (dist Raigad) 9, Mhasla(dist Raigad) 8, Vasai (dist Palghar) 8, Khalapur (dist Raigad) 8, Wakwali_agri (dist Ratnagiri) 8, Guhagar (dist Ratnagiri) 7, Mulde_Agri (dist Sindhudurg) 7, Pen (dist Raigad) 7, Mapusa (dist North Goa) 7, Rameshwar_agri (dist Sindhudurg) 7, Vaibhavwadi (dist Sindhudurg) 7, Kudal (dist Sindhudurg) 7, Bhiwandi (dist Thane) 7, Dahanu - Imd Obsy (dist Palghar) 7; **Odisha**: Sambalpur (dist Sambalpur) 17, Pallahara (dist Angul) 15, Kuchinda (dist Sambalpur) 15, Hemgiri (dist Sundargarh) 14, Deogaon (dist Jharsuguda) 14, Dhankauda (dist Sambalpur) 13, Jamankira (dist Sambalpur) 13, Deogarh (dist Deogarh) 12, Banspal (dist Keonjhargarh) 11, Reamal (dist Deogarh) 11, Burla (dist Sambalpur) 11, Kankadahad (dist Dhenkanal) 10, Jharsuguda (dist Jharsuguda) 10, Dhenkanal (dist Dhenkanal) 10, Dhenkanal Pto (dist Dhenkanal) 10, Kolabira (dist Jharsuguda) 10, Altuma (dist Dhenkanal) 9, Kirmira (dist Jharsuguda) 9, Barkote (dist Deogarh) 9, Kamakhyanagar (dist Dhenkanal) 9, Rengali (dist Angul) 9, Mundali (dist Cuttack) 9, Chendipada (dist Angul) 9, Telkoi (dist Keonjhargarh) 9, Tangarpali (dist Sundargarh) 9, Laikera (dist Jharsuguda) 9, Keonjhargarh (dist Keonjhargarh) 8, Tensa (dist Sundargarh) 8, Parjang (dist Dhenkanal) 8, Sundargarh (dist Sundargarh) 8, Odagaon (dist Nayagarh) 8, Atabira (dist Bargarh) 8, Bargaon (dist Sundargarh) 8, **East Rajasthan**: Mandalgarh (dist Bhilwara) 9, Ladpura Sr (dist Kota) 9, Bijoliya Sr (dist Bhilwara) 9, Nagar Sr (dist Bharatpur) 9, Kotri (dist Bhilwara) 8, Kota-aero (dist Kota) 7, Jawaja (dist Ajmer) 7, Mandal Sr (dist Bhilwara) 7; **East Madhya Pradesh**: Churhat (dist Sidhi) 10, Mada (dist Singrauli) 7, Bina (dist Sagar) 7, Chauri (dist Chhindwara) 6; **West Madhya Pradesh**: Bhind-aws (dist Bhind) 7, Mehtaon (dist Bhind) 6; **Gujarat Region**: Godhra (dist Panchmahal) 9, Matar (dist Kheda) 9, Desar (dist Vadodara) 7, Anand (dist Anand) 7, Petlad (dist Anand) 7, Halol (dist Panchmahal) 6, Umreth (dist Anand) 6; **Saurashtra & Kutch**: Lodhika (dist Rajkot) 9; **Madhya Maharashtra**: Mahabaleshwar- Imd Obsy (dist Satara) 11, Gaganbawada (dist Kolhapur) 9, Shevgaon (dist Ahmednagar) 8, Sholapur - Imd Obsy (dist Sholapur) 7; **Marathwada**: Udgir - Imd Parttime (dist Latur) 7, Udgir (dist Latur) 6; **Chhattisgarh**: Pusaur (dist Raigarh) 10, Simga (dist Baloda Bazar) 9, Sarangarh (dist Raigarh) 7, Baloda Bazar (dist Baloda Bazar) 7; **Vidarbha**: Katol (dist Nagpur) 7; **Coastal Karnataka**: Kundapur (dist Udupi) 11, Kota (dist Udupi) 11, Manki (dist Uttara Kannada) 11, Shirali Pto (dist Uttara Kannada) 9, Gersoppa (dist Uttara Kannada) 8, Ankola (dist Uttara Kannada) 7, Karkala (dist Udupi) 7; **Haryana**: Ganaur (dist Sonepat) 11, Israna (dist Panipat) 9, Samalkha (dist Panipat) 7, Kharkoda (dist Sonepat) 7, Sohana (dist Gurgaon) 7, Madluda Rev (dist Panipat) 7, Bahadurgarh (dist Jhajjar) 7, Faridabad (dist Faridabad) 7, Khanpur Rev (dist Sonepat) 7, Naraingarh (dist Ambala) 7; **Assam & Meghalaya**: Dhansiri Arg (dist Karbi Anglong) 8, Halflong (dist N. C. Hills) 7; **Nagaland, Manipur, Mizoram & Tripura**: Mangkolemba (dist Mokokchung) 8; **East Uttar Pradesh**: Nawabganj Tehsil (dist Barabanki) 11, Varanasi-b.h.u. (dist Varanasi) 9, Bara Banki (dist Barabanki) 7; **West Uttar Pradesh**: Najibabad (t) (dist Bijnor) 21, Mawana (dist Meerut) 13, Dhampur (dist Bijnor) 11, Nagina (dist Bijnor) 11, Saharanpur (dist Saharanpur) 8, Behat (dist Saharanpur) 7.







Agromet advisories for rainfall, thunderstorms/gusty winds and heatwave likely over various parts of the country:

- Make arrangements for draining out excess water from crop fields to avoid water stagnation in Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Uttar Pradesh, East Rajasthan, Gangetic West Bengal, Odisha, Jharkhand, Madhya Pradesh, Chhattisgarh, Maharashtra, Goa, Gujarat, Kerala, Coastal Karnataka, Telangana and North Eastern States.
- Provide mechanical support to horticultural crops and staking to vegetables.

Impact & Action Suggested due to extremely heavy/very heavy rainfall over Odisha and Chhattisgarh on 25th & 26th ; over Himachal Pradesh, West Uttar Pradesh and Uttarakhand on 25th; over East Rajasthan and West Madhya Pradesh during 26th-29th; over East Madhya Pradesh during 25th-27th; over Gujarat Region 27th-28th; over Konkan & Goa during 25th-29th; over Madhya Maharashtra during 26th-28th; over Vidarbha on 26th & 27th;

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 kutch 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:** >204.4mm.
- ❖ **Region wise classification of meteorological Sub-Divisions:**
 - **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.
 - **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
 - **East India:** Bihar, Jharkhand, Sub-Himalaya West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
 - **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
 - **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
 - **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 Widespred (FWS/ Many Places) | 1-25 | Isolated (ISOL) |

| Subdivision Warning | Dust Storm | Subdivision color |
|---------------------------|----------------------|-----------------------|
| Heavy Rain | Strong Surface Winds | NO WARNING |
| Heavy Snow | Heat Wave | WATCH(BE UPDATED) |
| Thunderstorms & Lightning | Cold wave | ALERT (BE PREPARED) |
| Hailstorm | Fog | WARNING (TAKE ACTION) |

| Probabilistic Forecast | |
|------------------------|-------------------------------|
| Terms | Probability of Occurrence (%) |
| Unlikely | < 25 |
| Likely | 25 - 50 |
| Very Likely | 50 - 75 |
| Most Likely | > 75 |