



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

**Press Release**

**Date: 30<sup>th</sup> June, 2023**

**Time of Issue: 1300 hours IST**

**Subject: A fresh spell of heavy to very heavy rainfall likely over south Peninsular India from 02<sup>nd</sup> July, 2023.**

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

**Advance of Southwest Monsoon (Annexure II)**

- ❖ Conditions are favourable for further advance of Southwest Monsoon into remaining parts of the country (i.e. remaining parts of Rajasthan and Haryana and Punjab) during next 2 days.

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

- ❖ A cyclonic circulation lies over central parts of south Uttar Pradesh & neighbourhood in lower & middle levels.
- ❖ An east-west trough runs from northwest Rajasthan to Nagaland and another from the cyclonic circulation over central parts of south Uttar Pradesh to Northeast Arabian Sea in lower levels.
- ❖ The off-shore trough at mean sea level runs from Maharashtra coast to Kerala coast.
- ❖ A cyclonic circulation lies over Southeast Bay of Bengal in middle levels.

**Weather Forecast and Warning:**

**Northwest India:** Light/moderate scattered to fairly widespread rainfall very likely to continue over the region during next 2 days. Isolated **Heavy rainfall** very likely over Uttarakhand on 30<sup>th</sup> June, 03<sup>rd</sup> & 04<sup>th</sup> July; West Rajasthan, West Uttar Pradesh on 30<sup>th</sup> June, East Uttar Pradesh and East Rajasthan on 30<sup>th</sup> June & 01<sup>st</sup> July.

**Isolated Heavy to very Heavy rainfall** is very likely over East Uttar Pradesh and East Rajasthan on 30<sup>th</sup> June.

**Central India:** Light/moderate fairly widespread to widespread rainfall with isolated **heavy falls very likely** over Madhya Pradesh during next 2 days.

**West India:** Light/moderate fairly widespread to widespread rainfall with **isolated Heavy to very Heavy rainfall** is very likely over Konkan & Goa and Ghat areas of Madhya Maharashtra during next 5 days and Gujarat State during next 2 days.

**East & adjoining Northeast India:** Fairly widespread to widespread light/moderate rainfall with isolated **Heavy to Very Heavy falls** very likely over Sub-Himalayan West Bengal & Sikkim, Bihar, Assam & Meghalaya, Arunachal Pradesh during next 5 days. Isolated **heavy rainfall** also likely over Gangetic West Bengal on 30<sup>th</sup> June & 03<sup>rd</sup> July; Jharkhand on 03<sup>rd</sup> and Odisha on 03<sup>rd</sup> & 04<sup>th</sup> July.

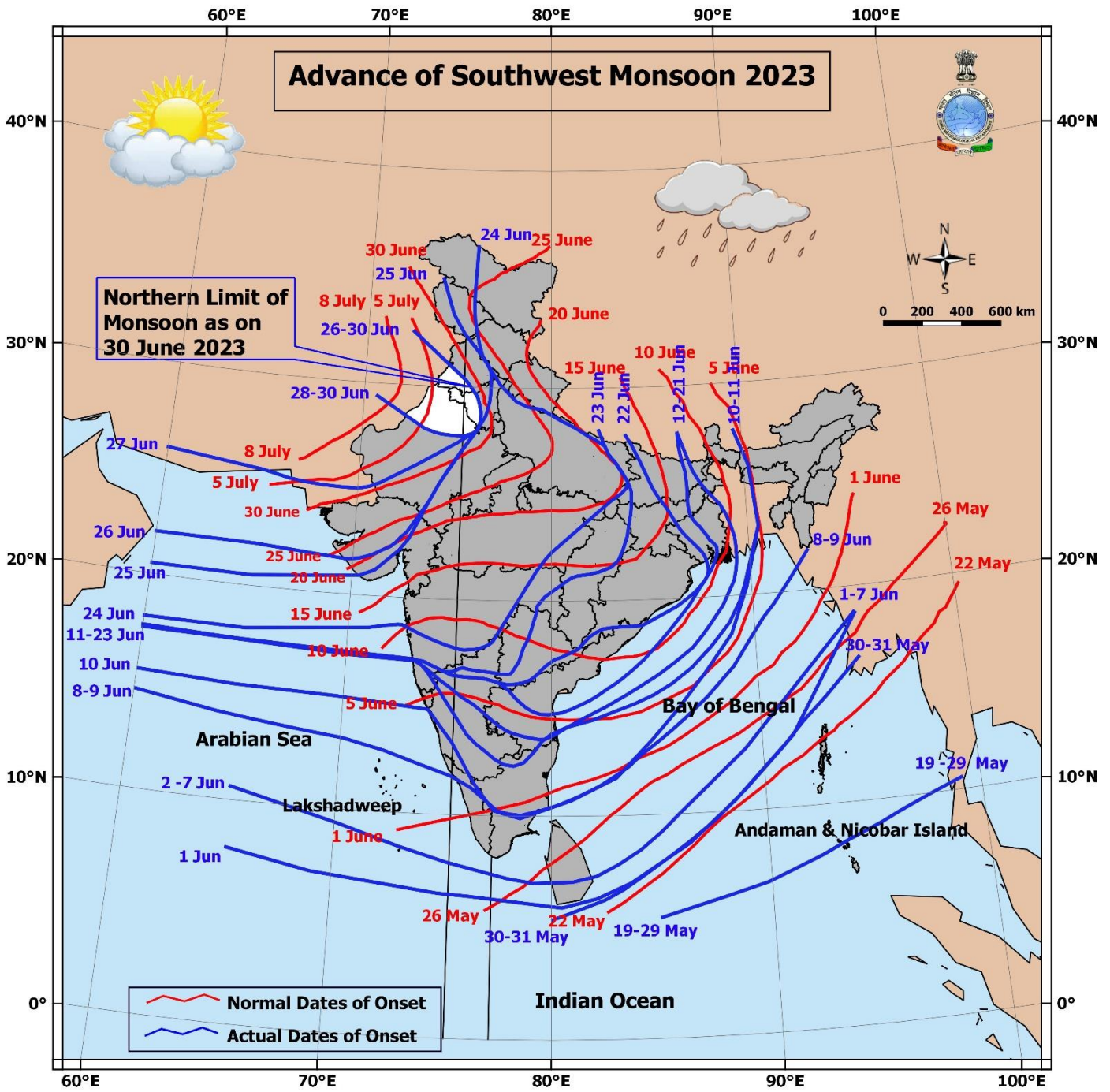
**South India:** Light/moderate scattered to widespread rainfall very likely over Kerala & Mahe, Coastal & South Interior Karnataka during next 5 days. **Isolated heavy rainfall** also likely over Coastal Karnataka & Kerala during next 5 days; South Interior Karnataka & Tamil Nadu during 02<sup>nd</sup>-04<sup>th</sup> July; Coastal Andhra Pradesh & Rayalaseema on 03<sup>rd</sup> & 04<sup>th</sup> July; Telangana on 04<sup>th</sup> July. Isolated **very heavy rainfall** also likely over Coastal Karnataka, Kerala and Tamil Nadu on 03<sup>rd</sup> & 04<sup>th</sup> July.

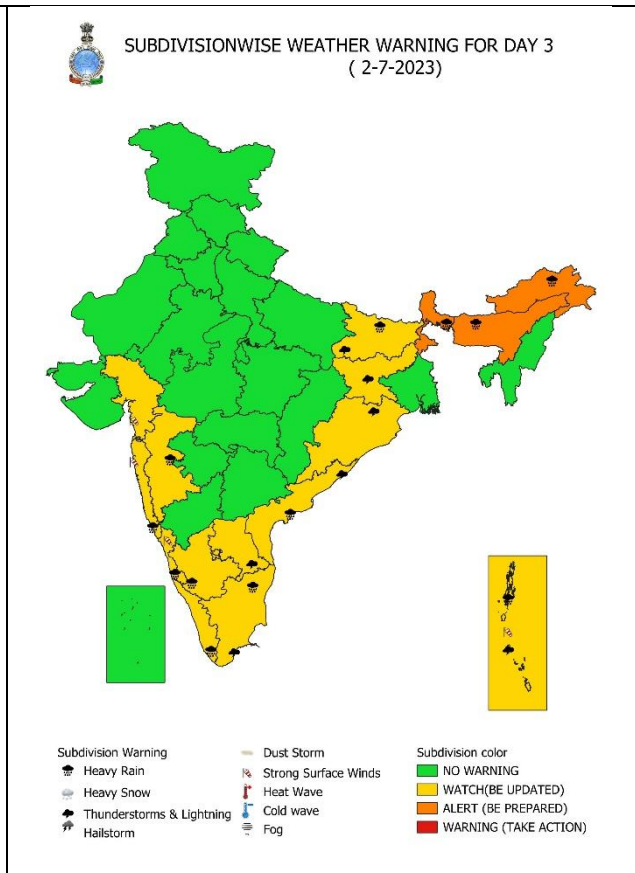
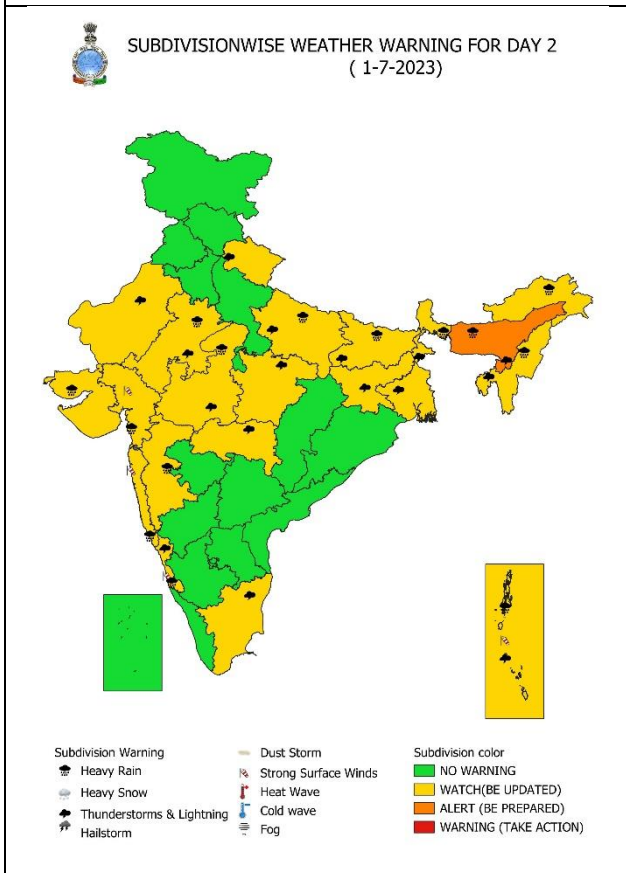
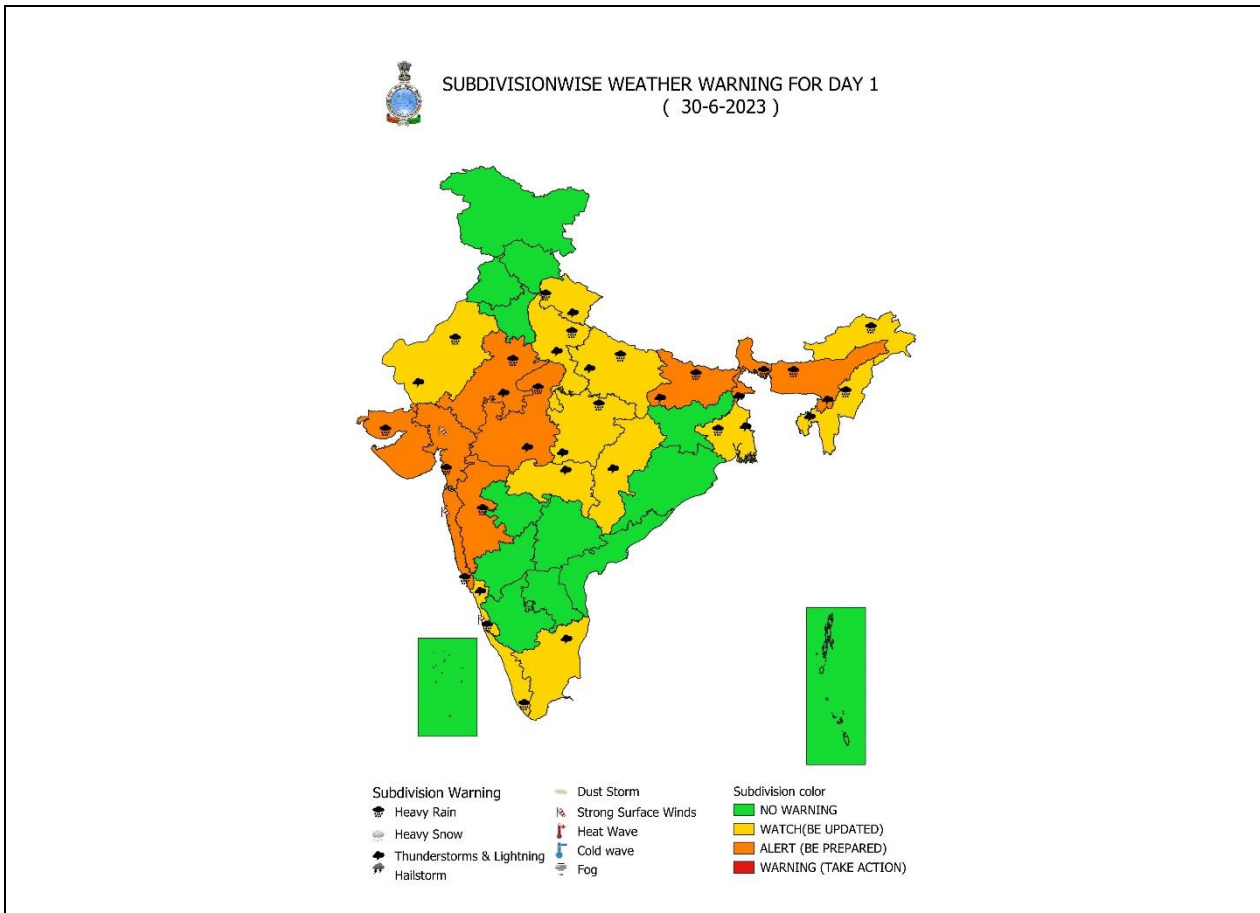
For more details kindly refer:

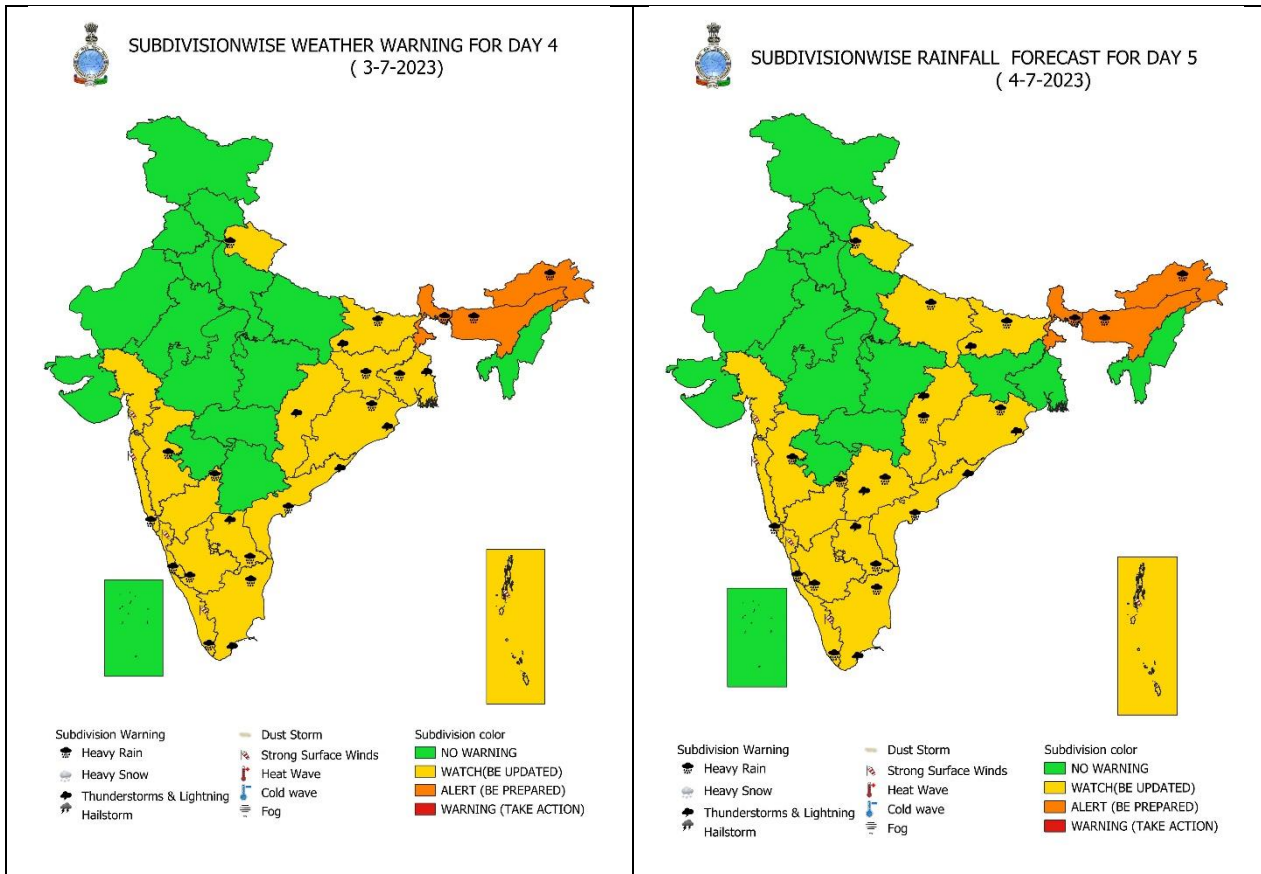
[https://mausam.imd.gov.in/responsive/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php)

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

- **Rainfall/thundershowers observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): **at most places** over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Sub-Himalayan West Bengal & Sikkim, East Uttar Pradesh, Jharkhand, Bihar, Uttarakhand, East Rajasthan, Madhya Pradesh, Gujarat, Konkan & Goa, Vidarbha, South Interior Karnataka, Coastal Karnataka, Kerala & Mahe, Lakshadweep; **at many places** over Assam & Meghalaya, Gangetic West Bengal, West Uttar Pradesh, Haryana-Chandigarh-Delhi, Himachal Pradesh, Madhya Maharashtra, North Interior Karnataka; **at a few places** over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan, Chhattisgarh.
- **Heavy Rainfall observed: Heavy to Very heavy with Extremely heavy rainfall** at isolated places over Gujarat state, Meghalaya; **Heavy to Very heavy rainfall** at isolated places over Bihar, Sub-Himalayan West Bengal & Sikkim, Assam, Konkan & Goa, Madhya Maharashtra, Madhya Pradesh, Haryana and **Heavy rainfall** at isolated places over Uttarakhand, Punjab, Uttar Pradesh, Rajasthan, Chhattisgarh, Jharkhand, Gangetic West Bengal, Tripura and Coastal Karnataka.
- **Significant rainfall recorded (in cm)** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Gujarat Region:** Valod (dist Tapi) 23, Mahuva (dist Surat) 23, Vyara (dist Tapi) 19, Dolvan (dist Tapi) 18, Bayad\_arg (dist Aravalli) 16, Bardoli (dist Surat) 14, Navasari\_aws (dist Navsari) 13, Tilakwada (dist Narmada) 13, Vansda (dist Navsari) 13, Chikhli (dist Navsari) 12, Bayad (dist Aravalli) 12, Gandevi (dist Navsari) 12, Songadh (dist Tapi) 12, Khergam (dist Navsari) 12, Kukarmunda (dist Tapi) 12, Jalalpor (dist Navsari) 12, Ukai (dist Surat) 12, Subir (dist Dangs) 12, **Saurashtra & Kutch:** Junagadh (dist Junagadh) 26, Junagarh\_aws (dist Junagadh) 22, Anjar (dist Kutch) 19, Talala (dist Gir Somnath) 17, Sutrapada (dist Gir Somnath) 16, Mendarda (dist Junagadh) 16, Jamkandorna (dist Rajkot) 16, Visavadar (dist Junagadh) 15, Bhesan (dist Junagadh) 15, Kandla New (dist Kutch) 15, Dhoraji (dist Rajkot) 14, Chotila (dist Surendranagar) 14, Vadia (dist Amreli) 13, Jetpur (dist Rajkot) 13, Una (dist Gir Somnath) 13, Upleta (dist Rajkot) 13, Vanthali (dist Junagadh) 12, **Konkan & Goa:** Pen (dist Raigad) 16, Uran (dist Raigad) 15, Mapusa (dist North Goa) 15, Mormugao - Pmo Imd (dist South Goa) 14, Dabolim N.a.s.- Navy (dist South Goa) 14, Vikramgad (dist Palghar) 13, Dapoli\_agri (dist Ratnagiri) 12, Panjim - Imd Obsy (dist North Goa) 12, **Madhya Maharashtra:** Akkalkuwa (dist Nandurbar) 17, Mahabaleshwar- Imd Obsy (dist Satara) 12, Dhadgaon/akrani- Hydro (dist Nandurbar) 11, Igatpuri (dist Nashik) 11, Gaganbawada (dist Kolhapur) 9, Taloda (dist Nandurbar) 9, Harsul - Fmo (dist Nashik) 8, Navapur (dist Nandurbar) 8, Lonavala\_agri (dist Pune) 8, **Bihar:** Purnea-17, Khagaria-14, Katihar, Patna, Bhagalpur-14 each, Saran-12, Vaishali-10; **East Madhya Pradesh:** Badamalhera (dist Chhatarpur) 13, Amanganj (dist Panna) 9, Dheemarkheda (dist Katni) 7, West Madhya Pradesh: Chachoda (dist Guna) 12, Depalpur (dist Indore) 10, Moman Badodiya (dist Shajapur) 9, Shivpuri (dist Shivpuri) 8, Ratlam-aws (dist Ratlam) 8, Badnawar (dist Dhar) 8, Pansemal (dist Barwani) 8, Gwalior (dist Gwalior) 8, Tonkhurd (dist Dewas) 7, Meghnagar (dist Jhabua) 7, **Sub-Himalaya West Bengal & Sikkim:** Jalpaiguri-17; **Gangetic West Bengal:** Bhirbhim, Burdwan-7 each; **Assam & Meghalaya:** Mawsynram (dist East Khasi Hills) 19, Cherrapunji(rkm) (dist East Khasi Hills) 15, Mawkyrwat\_arg (dist South West Khasi Hills) 15, Cherrapunji (dist East Khasi Hills) 13, Mawkyrwat (dist South West Khasi Hills) 13, Shella (dist East Khasi Hills) 8, Nongstein **Rajasthan:** Sahada Sr (dist Bhilwara) 11, Sajjangarh Sr (dist Banswara) 9, Bagidora Sr (dist Banswara) 9, Khushalgarh (dist Banswara) 8, Sarara (dist Udaipur) 8, Banswara Sr (dist Banswara) 7, Chotan (dist Barmer) 7, **Jharkhand:** Rajmahal-11, Sahibganj, Kolebira-7 each; **Chhattisgarh:** Sonhat (dist Koriya) 9, Katghora (dist Korba) 7, **Uttarakhand:** Chalthi-10, Loharkhet/Khatima, Tanakpur-9 each, Song, Bhimtal, Haldwani -7 each, **East Uttar Pradesh:** Patti-11, Sultanpur-9, Jaunpur, Ghazipur, Rajghat-7 each; **West Uttar Pradesh:** Maudaha-7; **Haryana:** Khanpur Rev (dist Sonapat) 13, Faridabad (dist Faridabad) 7; **Punjab:** Doraha Irr (dist Ludhiana) 8; **Coastal Karnataka:** Kumta (dist Uttara Kannada) 9, Gokarna (dist Uttara Kannada) 9, Honavar Obsy (dist Uttara Kannada) 8, Shirali Pto (dist Uttara Kannada) 7, Karwar Obsy (dist Uttara Kannada) 7; Odisha: Dhenkanal-7; **Tamil Nadu:** IAF Tambaram (dist Chengalpattu) 6,







**Agromet advisories for rainfall, thunderstorms likely over various parts of the country:**

- Drain out excess water from crop fields to avoid water stagnation in Uttarakhand, Uttar Pradesh, Rajasthan, Andaman & Nicobar Islands, West Bengal, Sikkim, Bihar, Madhya Pradesh, Konkan & Goa, Madhya Maharashtra, Gujarat, Kerala, Coastal Karnataka and North Eastern States.
- Provide staking to vegetables.

**Impact & Action Suggested due to extremely heavy/very heavy rainfall** over Sub-Himalaya West Bengal & Sikkim, Assam & Meghalaya during 29<sup>th</sup> June-03<sup>rd</sup> July; Konkan & Goa, Madhya Maharashtra, Gujarat, East Rajasthan, Bihar on 30<sup>th</sup>; Arunachal Pradesh during 02<sup>nd</sup>-04<sup>th</sup> July.

#### **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 kutchra 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.

<b>SPATIAL DISTRIBUTION</b> (% 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)

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)

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