



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 29th June, 2023
Time of Issue: 1300 hours IST

Subject: Active monsoon conditions likely to continue over Central & adjoining Northwest India during next 2 days and along west coast during next 3 days.

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)

- ❖ The **Low Pressure Area** now lies over central parts of north Madhya Pradesh & neighbourhood.
- ❖ An east-west trough runs from northwest Rajasthan to Nagaland across the centre of Low Pressure Area in lower tropospheric levels.
- ❖ The off-shore trough at mean sea level runs from Maharashtra coast to Kerala coast.
- ❖ A cyclonic circulation lies over south Gujarat & neighbourhood in middle tropospheric levels.

Weather Forecast and Warning:

Northwest India: Light/moderate fairly widespread to widespread rainfall very likely the region during next 3 days. Isolated **Heavy rainfall** very likely over Himachal Pradesh, Haryana on 29th; East Rajasthan during 29th June -03rd July and Uttarakhand & West Rajasthan on 29th & 30th June.

Central India: Light/moderate fairly widespread to widespread rainfall with isolated **heavy to very heavy falls very likely** over Madhya Pradesh on today and isolated heavy for subsequent 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. Isolated **extremely heavy rainfall** also very likely over Konkan and Gujarat region on 29th June.

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, Assam & Meghalaya, Arunachal Pradesh during next 5 days. Isolated **heavy rainfall** also likely over Gangetic West Bengal on 29th & 30th and Bihar on 29th, 30th June & 03rd July.

South India: Light/moderate fairly widespread 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; Coastal Andhra Pradesh on 02nd & 03rd July and South Interior Karnataka & Tamil Nadu on 03rd July. Isolated **very heavy rainfall** also likely over Coastal Karnataka & Kerala on 03rd July.

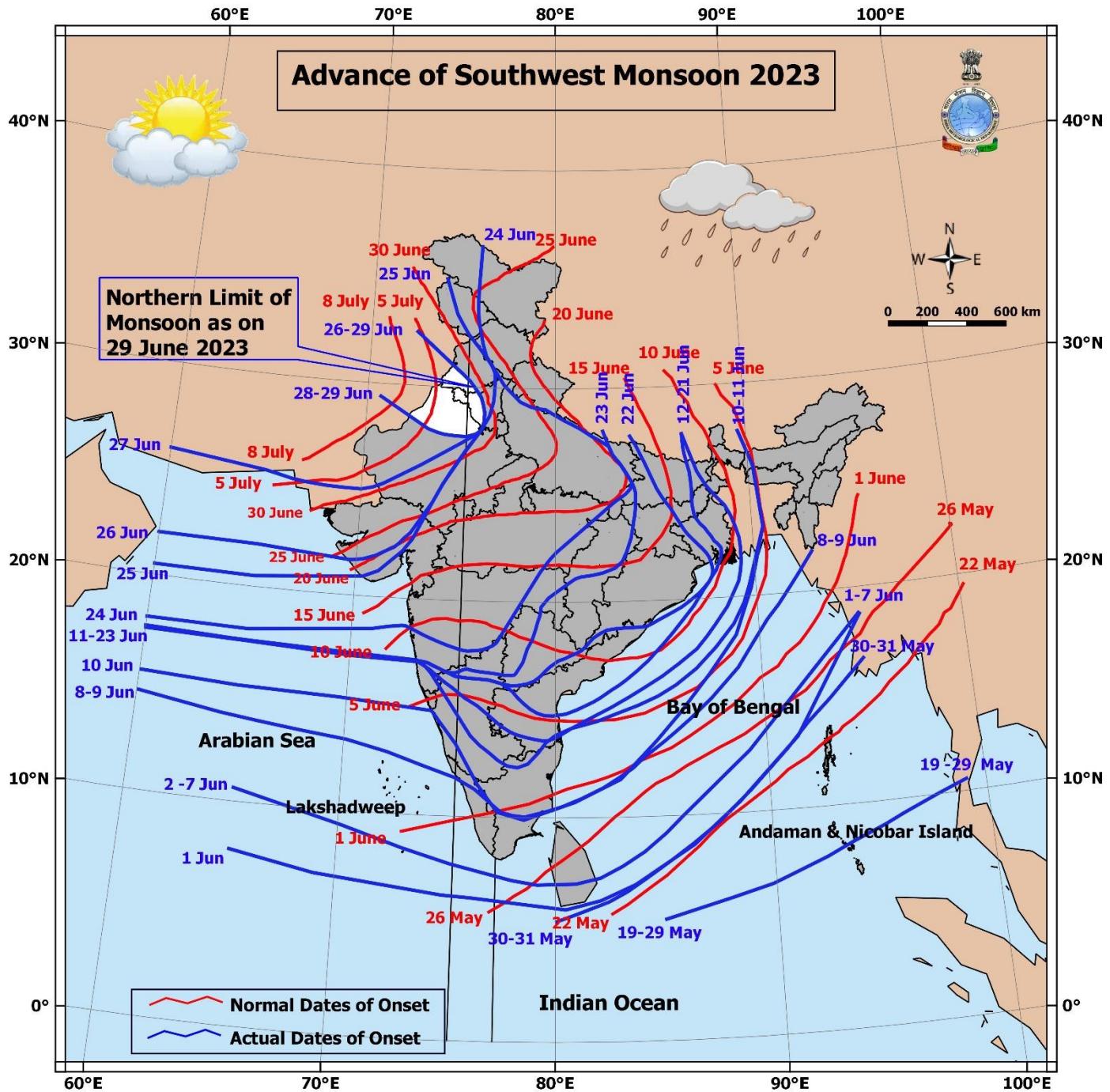
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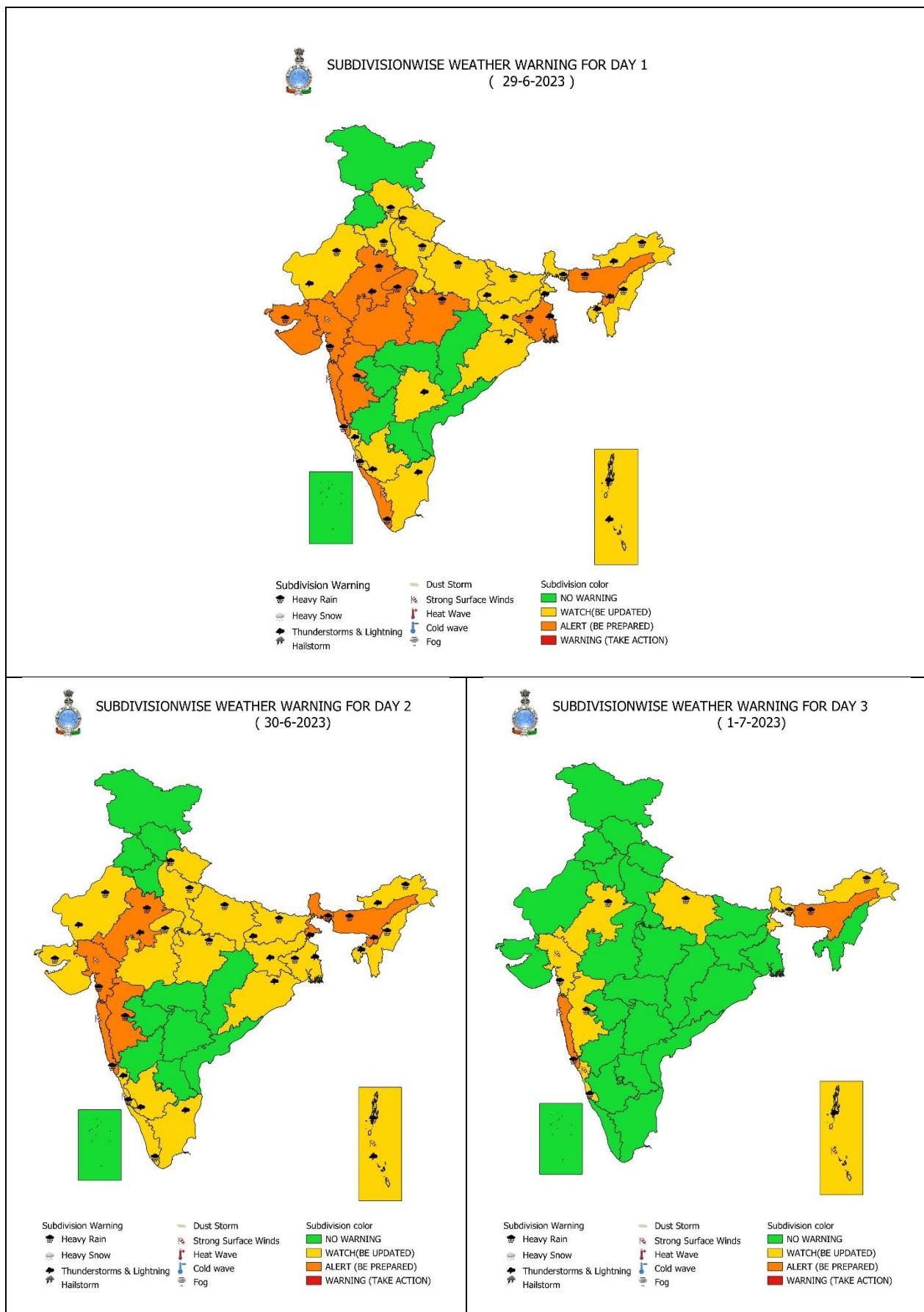
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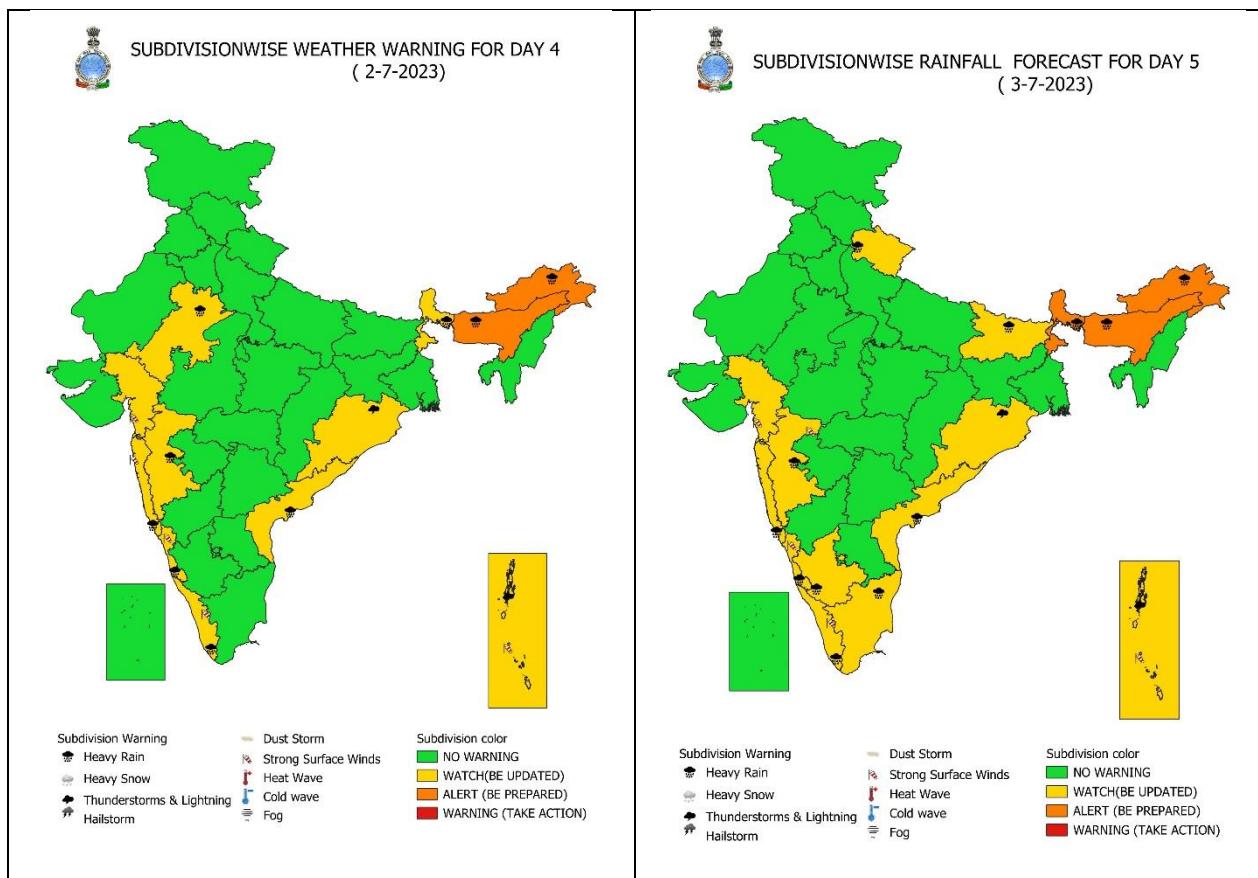
Weather Observations: (from 0830 hours IST of yesterday to 0830 hours IST of today):

- **Rainfall/thundershowers observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): **at most places** over Andaman & Nicobar Islands, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, West Bengal & Sikkim, East Uttar Pradesh, East Madhya Pradesh, Saurashtra & Kutch, Konkan & Goa, Coastal Karnataka, Kerala & Mahe, Lakshadweep; **at many places** over Assam & Meghalaya, Bihar, West Uttar Pradesh, Uttarakhand, East Rajasthan, West Madhya Pradesh, Gujarat Region, Madhya Maharashtra, Vidarbha, Chhattisgarh, Telangana; **at a few places** over Odisha, Haryana-Chandigarh-Delhi, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, West Rajasthan, Marathwada.
- **Heavy Rainfall observed: Heavy to Very heavy with Extremely heavy rainfall** at isolated places over Konkan & Goa; **Heavy to Very heavy rainfall** at isolated places over Gangetic West Bengal, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Madhya Maharashtra, West Madhya Pradesh, Gujarat and **Heavy rainfall** at isolated places over Uttarakhand, Haryana, Uttar Pradesh, Rajasthan, Chhattisgarh, Tripura, Kerala and Coastal Karnataka.
- **Significant rainfall recorded (in cm)** (from 0830 hours IST of yesterday to 0830 hours IST of today 29th June): **Konkan & Goa:** Palghar_agri (dist Palghar) 25, Tbia (dist Thane) 20, Wada (dist Palghar) 19, Shriwardhan (dist Raigad) 19, Dahanu - Imd Obsy (dist Palghar) 18; Palghar_agri (dist Palghar) 25, Tbia Imd Part Time (dist Thane) 20, Wada (dist Palghar) 19, Shriwardhan (dist Raigad) 19, Dahanu - Imd Obsy (dist Palghar) 18, Bhiwandi (dist Thane) 18, Ulhasnagar (dist Thane) 17, Ambernath (dist Thane) 16, Colaba - Imd Obsy (dist Mumbai City) 15, Vasai (dist Palghar) 15, Vikramgad (dist Palghar) 15, Murud (dist Raigad) 14, Uran (dist Raigad) 14, Tala (dist Raigad) 14, Shahapur (dist Thane) 14, Guhagarh (dist Ratnagiri) 13, Devgad (dist Sindhudurg) 12, Santacruz - Imd Obsy (dist Mumbai Suburban) 12, Sudhagad Pali (dist Raigad) 12; **East Madhya Pradesh:** Panna-aws (dist Panna) 21, Damoh-aws (dist Damoh) 14, Gonour (dist Panna) 12, Bina (dist Sagar) 12, Jabera (dist Damoh) 11, Devendranagar (dist Panna) 11, Pawai (dist Panna) 10, Khajuraho Aero (dist Chhatarpur) 10, Shahpura (dist Jabalpur) 10, Barela (dist Jabalpur) 9, **West Madhya Pradesh:** Pathari (dist Vidisha) 16, Lateri (dist Vidisha) 15, Ashoknagar-aws (dist Ashoknagar) 9; **Gujarat Region:** Pardi (dist Valsad) 17, Kamrej (dist Surat) 15, Khergam (dist Navsari) 15, Valsad (dist Valsad) 14, Palsana (dist Surat) 14, Dharampur (dist Valsad) 14, Vapi (dist Valsad) 13, Umergam (dist Valsad) 13, Valsad_Kvk Aws (dist Valsad) 12, Valod (dist Tapi) 12, Daman (dist Daman) 11, Daman Fmo (dist Daman) 11, Ukai (dist Surat) 11, Mandvi (dist Surat) 11, Vyara (dist Tapi) 10, **Madhya Maharashtra:** Igatpuri (dist Nashik) 16, Mahabaleshwar- Imd Obsy (dist Satara) 11, Navapur (dist Nandurbar) 7, Lonavala_agri (dist Pune) 7, Akkalkuwa (dist Nandurbar) 7; **Gangetic West Bengal:** East Midnapore-20, 24 North Parganas-11; **Sub-Himalaya West Bengal & Sikkim:** Darzeling-12, East Sikkim-10; **Assam & Meghalaya:** Mawkyrwat_arg (dist South West Khasi Hills) 18, Mawkyrwat (dist South West Khasi Hills) 17, Cherrapunji (dist East Khasi Hills) 17, Cherrapunji(rkm) (dist East Khasi Hills) 17, Shella (dist East Khasi Hills) 16. **Kerala:** Cherthala (dist Alapuzha) 10, **Coastal Karnataka:** Kundapur (dist Udupi) 7, **Rajasthan:** Niwai (dist Tonk) 11, Dechu 11, Marwar Junction (dist Pali) 7, Barmer (dist Barmer) 7, **Chhattisgarh:** Rajpur (dist Balrampur) 9, Bagicha (dist Jashpur) 7, Sitapur (dist Surguja) 7, Dharamjaigarh (dist Raigarh) 7, **East Uttar Pradesh:** Banda-17; **West Uttar Pradesh:** Lalitpur-9; **Haryana:** Nilokheri (dist Karnal) 7.

Annexure II







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

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

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