

2025-07-13

Time of Issue: 13:59:00 hours IST  
(Mid-Day)

## ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

### Significant Weather Features

#### Weather Forecast and Warnings

##### Northwest India:

- **Extremely heavy rainfall ( $\geq 21$  cm)** very likely at isolated places over East Rajasthan during 13<sup>th</sup>-15<sup>th</sup> July
- and West Rajasthan on 14<sup>th</sup> & 15<sup>th</sup> July
- Isolated **heavy rainfall** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh during 13<sup>th</sup>-17<sup>th</sup>; Uttarakhand during 13<sup>th</sup>-19<sup>th</sup>; Punjab on 16<sup>th</sup>; Haryana, Chandigarh & Delhi on 13<sup>th</sup> & 14<sup>th</sup>; West Uttar Pradesh on 13<sup>th</sup>, 17<sup>th</sup> & 18<sup>th</sup>; East Uttar Pradesh during 15<sup>th</sup> - 18<sup>th</sup>; Rajasthan during 13<sup>th</sup>-18<sup>th</sup> July with **very heavy rainfall over East Uttar Pradesh on 16<sup>th</sup>, Rajasthan during 13<sup>th</sup>-16<sup>th</sup> July.**
- Light/moderate rainfall at most/many places accompanied with thunderstorm, lightning likely over western Himalayan region and some/many places over the plains during next 7 days.

##### East & Central India:

- **Extremely heavy rainfall ( $\geq 21$  cm)** very likely at isolated places over west Madhya Pradesh on 13<sup>th</sup> July.
- Isolated **heavy rainfall** very likely to continue over West Madhya Pradesh during 13<sup>th</sup>-17<sup>th</sup>, East Madhya Pradesh, Odisha during 13<sup>th</sup>-19<sup>th</sup>, Chhattisgarh, Bihar during 14<sup>th</sup>-17<sup>th</sup>, Vidarbha on 17<sup>th</sup>, Andaman & Nicobar Islands during 14<sup>th</sup>-16<sup>th</sup>, West Bengal & Sikkim during 13<sup>th</sup>-15<sup>th</sup>, Jharkhand during 13<sup>th</sup>-16<sup>th</sup> July **with very heavy rainfall over West Madhya Pradesh on 13<sup>th</sup>, 14<sup>th</sup>, East Madhya Pradesh on 13<sup>th</sup> and during 17<sup>th</sup>-19<sup>th</sup>, Gangetic West Bengal on 14<sup>th</sup>, Jharkhand during 14<sup>th</sup>-16<sup>th</sup>, Odisha on 13<sup>th</sup> & 14<sup>th</sup> July.**
- Light/moderate rainfall at most/many places accompanied with thunderstorm & lightning likely over the region during next 7 days.

##### West India:

- **Heavy rainfall** likely at isolated places over Konkan & Goa, Ghat areas of Madhya Maharashtra, Saurashtra & Kutch on 13<sup>th</sup> & 14<sup>th</sup> and Gujarat Region during 13<sup>th</sup> -16<sup>th</sup> July **with very heavy rainfall over Gujarat Region on 13<sup>th</sup> & 14<sup>th</sup> July.**
- Light/moderate rainfall at many/some places very likely over the region during next 5 days.

##### Northeast India:

- Light/moderate rainfall at many places accompanied with **thunderstorm, lightning** likely to continue over Northeast India during next 7 days.
- Isolated **heavy rainfall** very likely over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Arunachal Pradesh during 13<sup>th</sup>-19<sup>th</sup> July with very heavy rainfall over Meghalaya on 15<sup>th</sup> July.

##### South Peninsular India:

- Isolated **heavy rainfall** likely over Kerala & Mahe, Coastal & South Interior Karnataka during 13<sup>th</sup>-19<sup>th</sup>; Tamil Nadu during 15<sup>th</sup>-19<sup>th</sup>, Lakshadweep, Coastal Andhra Pradesh & Yanam, Rayalaseema on 18<sup>th</sup> & 19<sup>th</sup> July **with very heavy rainfall over Kerala & Mahe, and Coastal Karnataka during 16<sup>th</sup>-18<sup>th</sup> July.**
- **Strong surface winds** (speed reaching 40-50 kmph) very likely over South Peninsular India during next 5 days.
- Light/moderate rainfall at many/some places over Kerala & Mahe, Lakshadweep, Karnataka, Rayalaseema; isolated to scattered rainfall over Coastal Andhra Pradesh & Yanam, Telangana during next 7 days.

##### Hot & Humid weather Warnings:

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- Hot & Humdi weather conditions very likely in isolated pockets of Tamil Nadu on 13<sup>th</sup> & 14<sup>th</sup>; Coastal Andhra Pradesh & Yanam and Rayalaseema during 13<sup>th</sup>-15<sup>th</sup> July.

### Main Weather Observations:

❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0830 hours IST of today): **at most places** over Konkan & Goa, Coastal Karnataka and Lakshadweep; **at many places** over East Uttar Pradesh, West Uttar Pradesh, Uttarakhand, Himachal Pradesh, West Madhya Pradesh, East Madhya Pradesh, Gujarat Region, South Interior Karnataka and Kerala & Mahe; **at a few places** over Andaman & Nicobar Islands, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Odisha, Jharkhand, Haryana-Chandigarh-Delhi, East Rajasthan, Saurashtra & Kutch, Madhya Maharashtra, Vidarbha, Chhattisgarh and North Interior Karnataka; **at isolated places** over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Bihar, Punjab, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema and Tamil Nadu, Puducherry & Karaikal;

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0830 hours IST of today): **East Madhya Pradesh:** Bijawar (dist Chhatarpur) 30; Tikamgarh-aws (dist Tikamgarh) 21; Orchha (dist Niwari), Mohangarh (dist Tikamgarh), Lidhora (dist Tikamgarh) 20 Each; Baldevgarh (dist Tikamgarh), Khargapur (dist Tikamgarh) 19 Each; Nowgong (dist Chhatarpur), Badamalhera (dist Chhatarpur) 17 Each; Khajuraho AP (dist Chhatarpur), Palera (dist Tikamgarh) 16 Each; Rahatgarh (dist Sagar) 13; Prithvipur (dist Niwari) 12; Chahtarpur-aws (dist Chhatarpur), Jatara (dist Tikamgarh), Niwari (dist Niwari) 11 Each; Banda (dist Sagar) 10; Khurai (dist Sagar), Badagaon Dhasan (dist Tikamgarh) 9 Each; Jaisinagar (dist Sagar) 8; Rajnagar (dist Chhatarpur), Shahgarh (dist Sagar) 7 Each; **Gujarat Region:** Dantiwada (dist Banaskantha) 17; Palanpur (dist Banaskantha), Dantewada AWS (dist Banaskantha) 13 Each; Deesa (dist Banaskantha) 12; Vadgam (dist Banaskantha), Danta (dist Banaskantha) 8 Each; **West Uttar Pradesh:** Mahroni (dist Lalitpur) 16; Lalitpur (dist Lalitpur) 15; Auraiya (CWC) (dist Auraiya) 10; Talbehat (dist Lalitpur) 9; Bijnor (dist Bijnor), Jhansi (dist Jhansi) 8 Each; **East Uttar Pradesh:** Fatehpur Tehsil (dist Barabanki) 14; Ankinghat (dist Kanpur City) 12; Beberu (dist Banda) 11; Kannauj (dist Kannauj), Lalganj Aara (dist Pratapgarh) 9 Each; Varanasi/Bab AP (dist Varanasi) 7; **East Rajasthan:** Manohar Thana (dist Jhalawar) 11; Sallopat SR (dist Banswara) 9; Sapau SR (dist Dholpur) 7; **West Madhya Pradesh:** Khaniyadana (dist Shivpuri), Pathari (dist Vidisha) 10 Each; Chanderi (dist Ashoknagar), Biaora (dist Rajgarh), Karera (dist Shivpuri), Pichhore (dist Shivpuri), Mau (dist Bhind) 9 Each; Kurwai (dist Vidisha) 8; Ashoknagar-aws (dist Ashoknagar), Sironj (dist Vidisha), Mihona (dist Bhind), Ghatigaon (dist Gwalior), Bamori (dist Guna) 7 Each; **West Rajasthan:** Jaswantpura (dist Jalore) 8; **Haryana-Chandigarh-Delhi:** Manethi REV (dist Rewari) 8; **Jharkhand:** Manoharpur Phc (dist West Singhbhum) 8; **Coastal Karnataka:** Udupi (dist Udupi), Siddapura (dist Udupi), Gokarna (dist Uttara Kannada), Manki (dist Uttara Kannada) 7 Each; **Saurashtra & Kutch:** Palitana (dist Bhavnagar), Umralla (dist Bhavnagar) 7 Each.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Extremely heavy rain** at isolated places over East Madhya Pradesh. **Heavy to very heavy rain** at isolated places over East Uttar Pradesh, West Uttar Pradesh, East Madhya Pradesh and Gujarat Region. **Heavy rain** at isolated places over Odisha, Jharkhand, Haryana-Chandigarh-Delhi, West Rajasthan, East Rajasthan, West Madhya Pradesh, Saurashtra & Kutch and Coastal Karnataka.

❖ **Minimum Temperature Departures (as on 13-07-2025):** **markedly above normal(> 5.1°C)** at few places over Assam & Meghalaya; at isolated places over Sub Himalayan West Bengal & Sikkim, Bihar, Himachal Pradesh, West Madhya Pradesh and Tamil Nadu, Puducherry & Karaikal. **appreciably above normal(3.1°C to 5.0°C)** at few places over East Madhya Pradesh and Gujarat Region; at isolated places over Andaman & Nicobar Islands, Gangetic West Bengal, Odisha, West Uttar Pradesh, Uttarakhand, Saurashtra & Kutch and Coastal Andhra Pradesh & Yanam. **above normal(1.6°C to 3.0°C)** at most places over Arunachal Pradesh; at few places over Nagaland, Manipur, Mizoram & Tripura, Punjab, Rayalaseema, Coastal Karnataka and Lakshadweep; at isolated places over Jharkhand, East Uttar Pradesh, Haryana-Chandigarh-Delhi, Vidarbha, Chhattisgarh, Telangana and South Interior Karnataka. **near normal(-1.5°C to 1.5°C)** at many places over East Rajasthan; at most places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan, Konkan & Goa, Madhya Maharashtra, Marathwada, North Interior Karnataka and Kerala & Mahe. **The lowest minimum temperature** of 18.2°C is reported at KHARGONE (MADHYA PRADESH) over the Plains of India.

❖ **Maximum Temperature Departures (as on 12-07-2025):** **markedly above normal(> 5.1°C)** at few places over

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Arunachal Pradesh, Assam & Meghalaya and Sub Himalayan West Bengal & Sikkim; at isolated places over Odisha and Coastal Andhra Pradesh & Yanam. **appreciably above normal(3.1°C to 5.0°C)** at many places over Bihar; at few places over Tamil Nadu, Puducherry & Karaikal; at isolated places over Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, East Uttar Pradesh, Uttarakhand, Madhya Maharashtra, Chhattisgarh, Telangana and Kerala & Mahe. **above normal(1.6°C to 3.0°C)** at few places over Konkan & Goa, Marathwada, Vidarbha, Rayalaseema, Coastal Karnataka and North Interior Karnataka; at isolated places over Andaman & Nicobar Islands, West Uttar Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad and South Interior Karnataka. **near normal(-1.5°C to 1.5°C)** at many places over Punjab and Gujarat Region; at most places over Saurashtra & Kutch and Lakshadweep; at few places over Jharkhand, Haryana-Chandigarh-Delhi, Himachal Pradesh, West Rajasthan, East Rajasthan and West Madhya Pradesh. **The highest maximum temperature** of 41.5°C was reported at MADURAI (A) (TAMIL NADU).



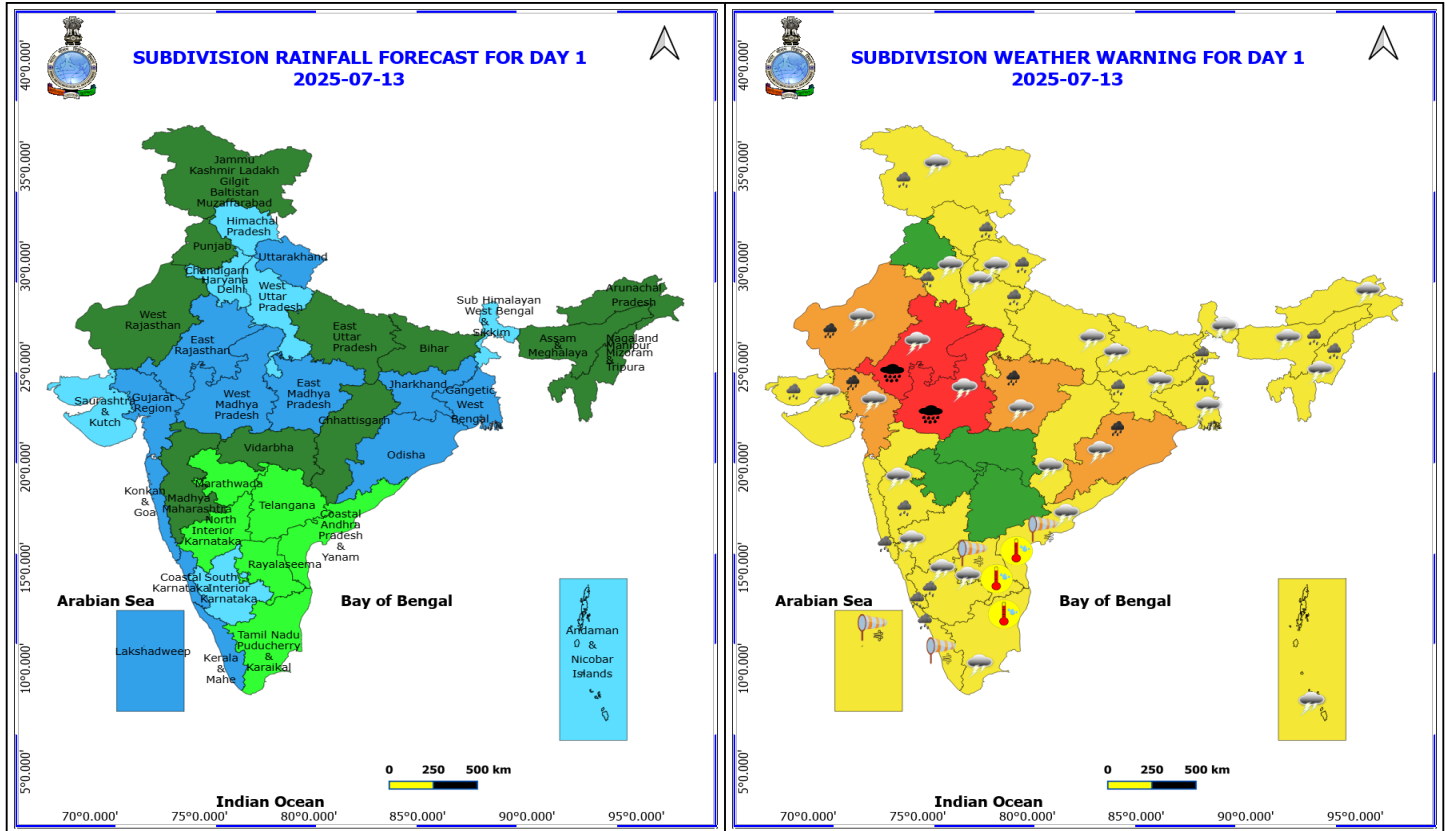
#### Meteorological Analysis (Based on 0830 hours IST)

- The **upper air cyclonic circulation** over northwest Bay of Bengal adjoining West Bengal and north Odisha coasts lay over north Bay of Bengal and extends upto 5.8 km above mean sea level tilting southwestwards with height. Under its influence, a low-pressure area is likely to form over northwest Bay of Bengal and adjoining coastal areas of West Bengal and Odisha during next 24 hours.
- The **upper air Cyclonic circulation** over northeast Madhya Pradesh lay over central parts of north Madhya Pradesh & neighbourhood and extends upto 7.6 km above mean sea level. Under its influence, a low-pressure area is likely to form over northwest Madhya Pradesh and neighbourhood during next 24 hours.
- The **monsoon trough** at mean sea level now passes through Bikaner, Gwalior, Banda, Sidhi, Jamshedpur, Digha and thence southeastwards to northeast Bay of Bengal and extends upto 3.1km above mean sea level tilting southwestward with height.
- A fresh **Western Disturbance** seen as a trough in middle tropospheric levels with its axis at 5.8 km above mean sea level roughly along Long. 62°E to the north of Lat. 30°N.
- The **trough** from central parts of East Rajasthan to cyclonic circulation over northwest Bay of Bengal & adjoining north Odisha and West Bengal between 0.9 & 3.1 km above mean sea level has merged with the monsoon trough.
- The **Western Disturbance** as a trough in middle tropospheric levels with its axis at 5.8 km above mean sea level roughly along Long. 75°E to the north of Lat. 30°N has moved away east-northeastwards.
- The **upper air cyclonic circulation** over northeast Assam at 0.9 km above mean sea level has become less marked.

#### Weather Outlook for subsequent 3 days

- Fairly widespread to widespread rainfall very likely over East, Northeast & South Peninsular India, Himachal Pradesh, Uttarakhand, Uttar Pradesh and Islands.
- Isolated to Scattered rainfall very likely over rest parts of the country.





### 13 July (Day 1)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** very likely at isolated places over East Rajasthan and West Madhya Pradesh.
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over East Madhya Pradesh, Gujarat Region, Odisha and West Rajasthan.
- ❖ **Heavy Rainfall** very likely at isolated places over Assam & Meghalaya, Coastal Karnataka, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Kerala & Mahe, Konkan & Goa, Madhya Maharashtra, Nagaland, Manipur, Mizoram and Tripura, Saurashtra & Kutch, South Interior Karnataka, Uttarakhand, West Bengal & Sikkim and West Uttar Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over South Interior Karnataka and West Madhya Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Bihar, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, North Interior Karnataka, Odisha, Sub Himalayan West Bengal & Sikkim, Uttarakhand and West Rajasthan.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, East Madhya Pradesh, East Rajasthan, Gangetic West Bengal, Gujarat State, Haryana, Chandigarh & Delhi, Madhya Maharashtra, Nagaland, Manipur, Mizoram and Tripura, Tamil Nadu Puducherry & Karaikal and Uttar Pradesh.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh, Kerala & Mahe and Lakshadweep.
- ❖ **Hot and Humid weather** very likely at isolated places over Andhra Pradesh and Tamil Nadu Puducherry &

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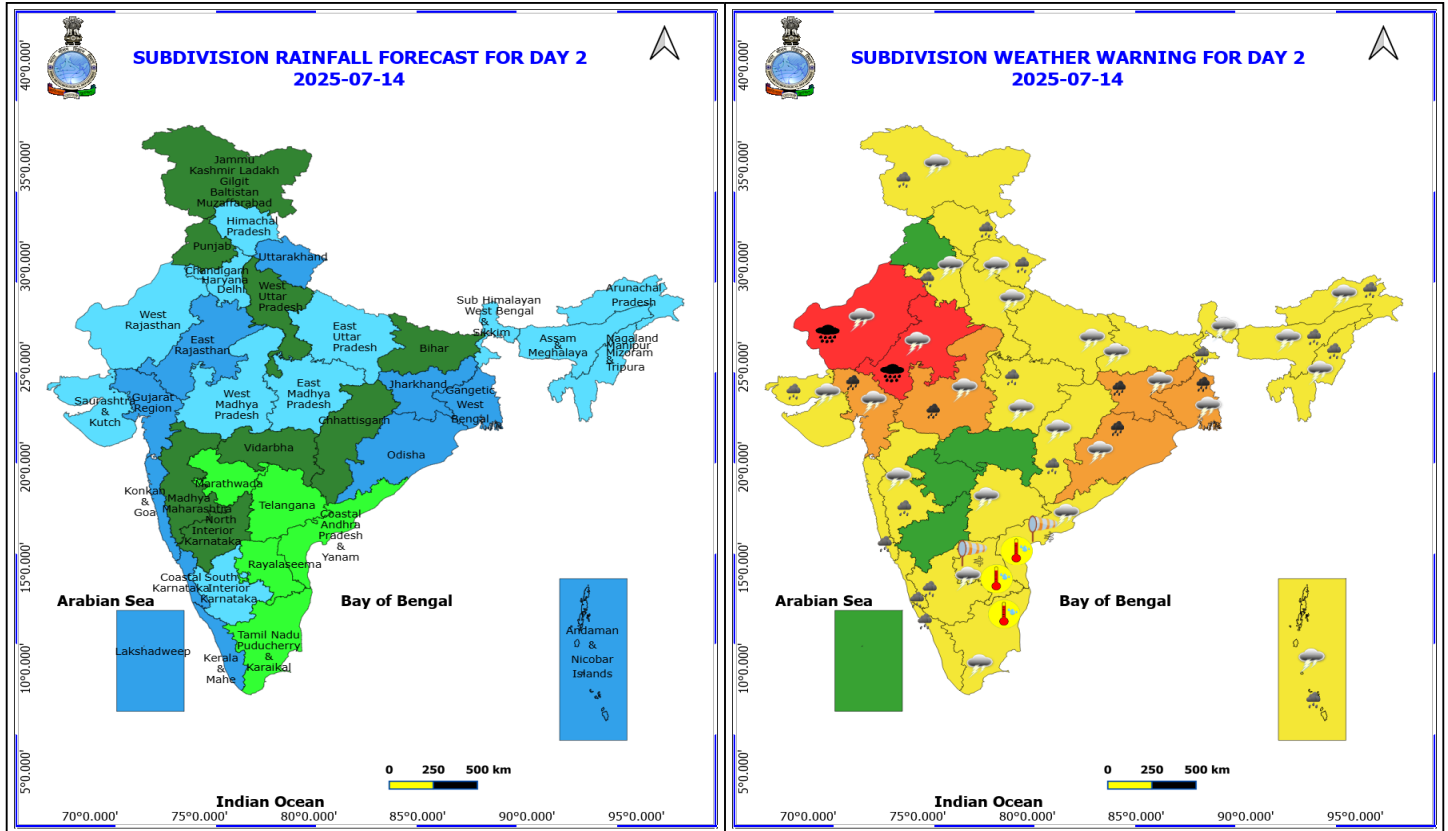
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Karaikal.

- ❖ Squally wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail along and off Somalia, Oman & adjoining Yemen coasts, most parts of westcentral Arabian Sea, northern parts of southwest Arabian Sea, Gulf of Mannar.
- ❖ Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph likely to prevail over many parts of westcentral Arabian Sea, adjoining parts of eastcentral, southwest Arabian, Comorin area, some southern parts of south Bay of Bengal, some parts of southwest and westcentral Bay of Bengal.



#### 14 July (Day 2)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** very likely at isolated places over Rajasthan.
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Gangetic West Bengal, Gujarat Region, Jharkhand, Odisha and West Madhya Pradesh.
- ❖ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Coastal Karnataka, East Madhya Pradesh, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Kerala & Mahe, Konkan & Goa, Madhya Maharashtra, Nagaland, Manipur, Mizoram and Tripura, Saurashtra & Kutch, South Interior Karnataka, Sub Himalayan West Bengal & Sikkim and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over West Madhya Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Bihar, Jharkhand, Odisha, Sub Himalayan West Bengal & Sikkim, Telangana, Uttarakhand and West Rajasthan.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, East Madhya Pradesh, East Rajasthan, Gangetic West Bengal, Gujarat State, Haryana, Chandigarh & Delhi, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Madhya Maharashtra, Nagaland, Manipur, Mizoram and Tripura, Tamil Nadu Puducherry & Karaikal and Uttar Pradesh.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh.

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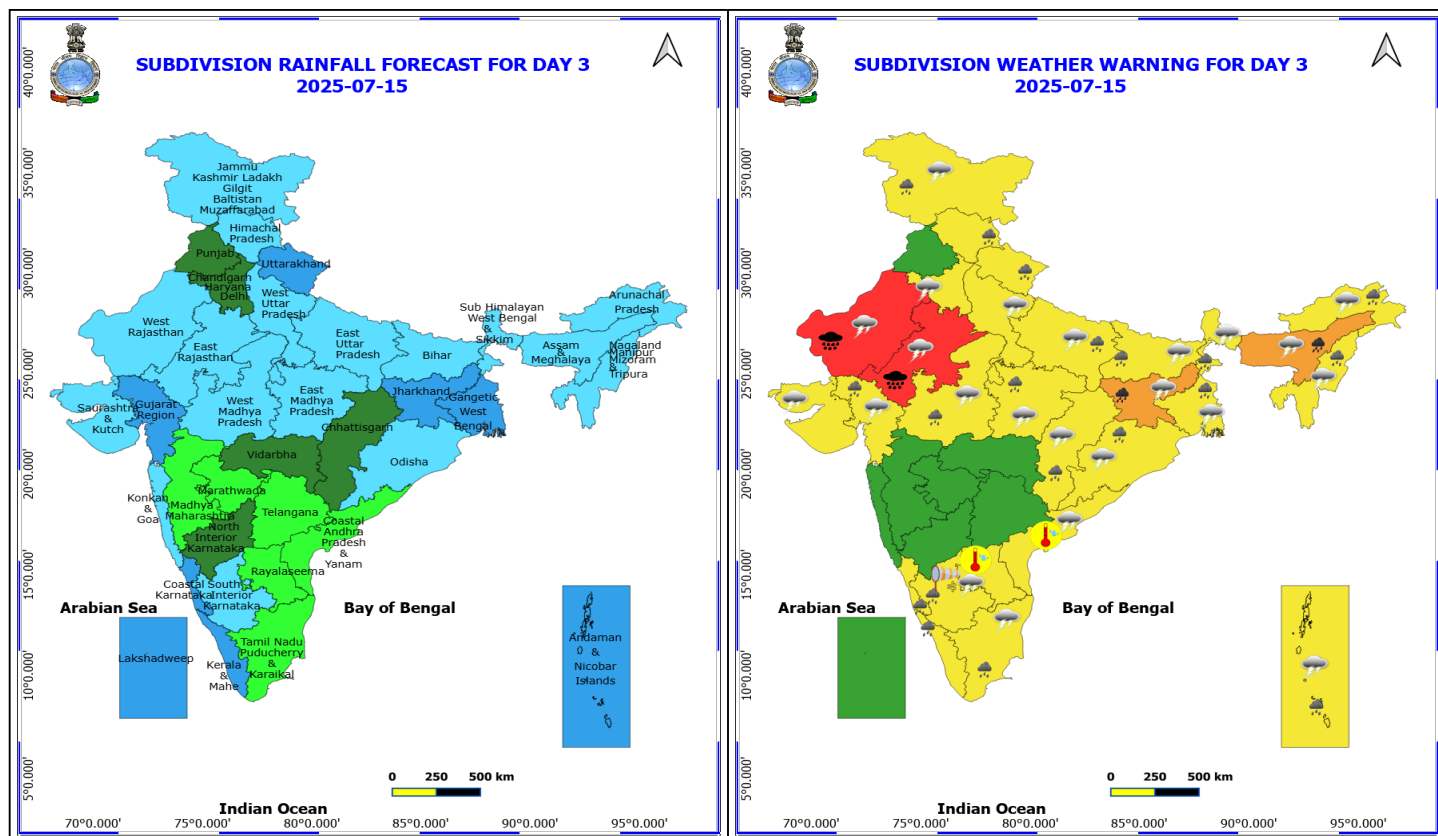
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❖ **Hot and Humid weather** very likely at isolated places over Andhra Pradesh and Tamil Nadu Puducherry & Karaikal.

❖ Squally wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail along and off Somalia, Oman & adjoining Yemen coasts, most parts of westcentral Arabian Sea & adjoining, some parts of eastcentral Arabian Sea, northern parts of southwest Arabian Sea, Gulf of Mannar.

❖ Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph likely to prevail over many parts of eastcentral, westcentral Arabian Sea and adjoining south Arabian Sea, along and off Kerala, Karnataka coasts, Lakshadweep area, Comorin area, over some parts of southwest & westcentral Bay of Bengal, some southern parts of south Bay of Bengal.



### 15 July (Day 3)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** very likely at isolated places over Rajasthan.
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Assam & Meghalaya and Jharkhand.
- ❖ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Arunachal Pradesh, Bihar, Chhattisgarh, Coastal Karnataka, East Uttar Pradesh, Gujarat Region, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Kerala & Mahe, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Odisha, South Interior Karnataka, Tamil Nadu Puducherry & Karaikal, Uttarakhand and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Bihar, Jharkhand, Odisha, Sub Himalayan West Bengal & Sikkim and West Rajasthan.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, East Rajasthan, Gangetic West Bengal, Gujarat State, Haryana, Chandigarh & Delhi, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Tamil Nadu Puducherry & Karaikal and Uttar Pradesh.
- ❖ **Strong Surface Winds** very likely at isolated places over South Interior Karnataka.
- ❖ **Hot and Humid weather** very likely at isolated places over Andhra Pradesh.
- ❖ Squally wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail along and off Somalia, Oman & adjoining Yemen coasts, most parts of westcentral Arabian Sea & adjoining, some parts of eastcentral Arabian Sea, northern parts of southwest Arabian Sea, Gulf of Mannar.

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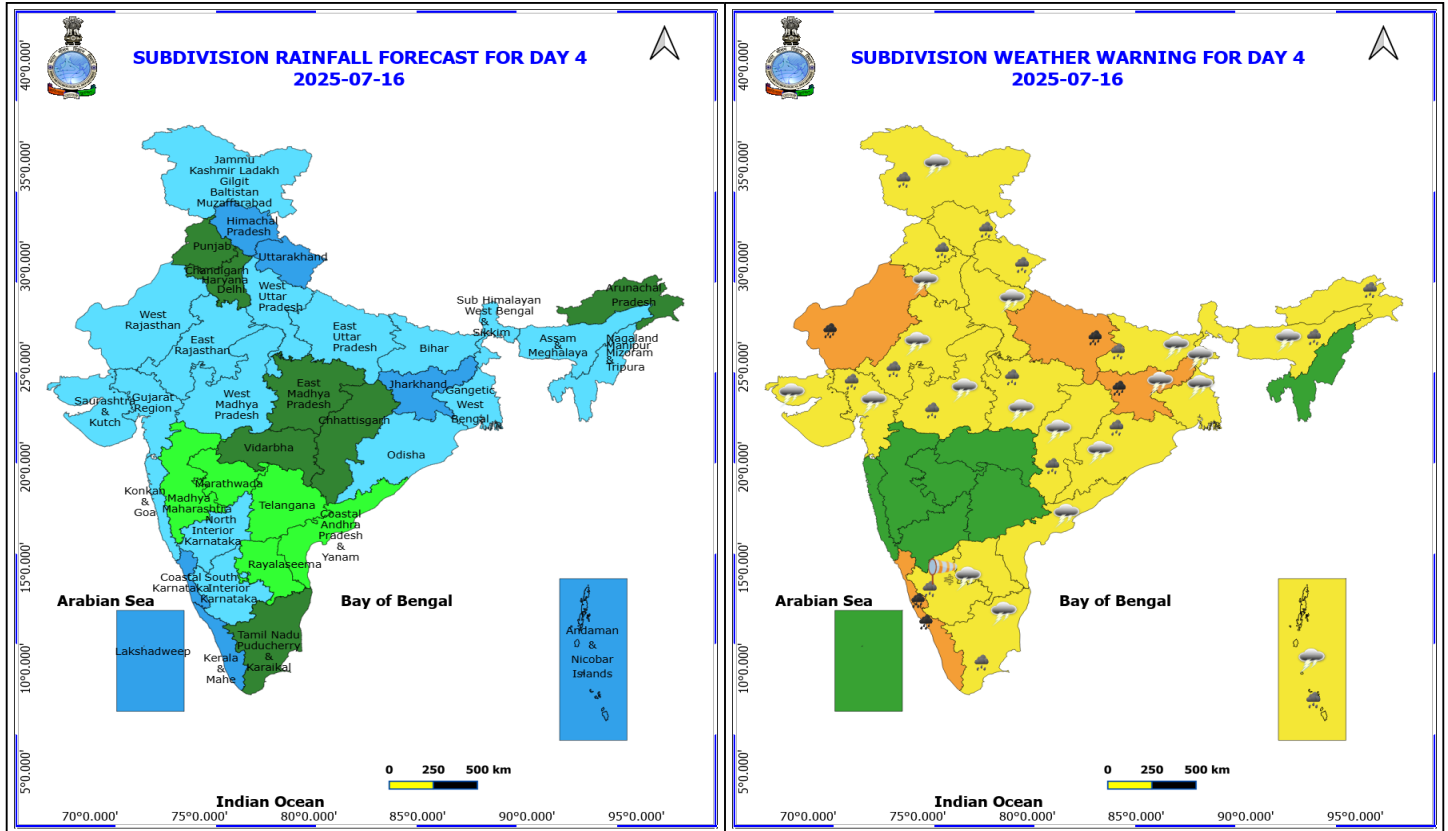
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❖ Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph likely to prevail over many parts of eastcentral, westcentral Arabian Sea and adjoining south Arabian Sea, along and off Kerala, Karnataka, Goa, Konkan, south Gujarat coasts, some parts of northeast Arabian Sea, Lakshadweep area, Comorin area, over some parts of southwest & westcentral Bay of Bengal, some southern parts of south Bay of Bengal.



#### 16 July (Day 4)

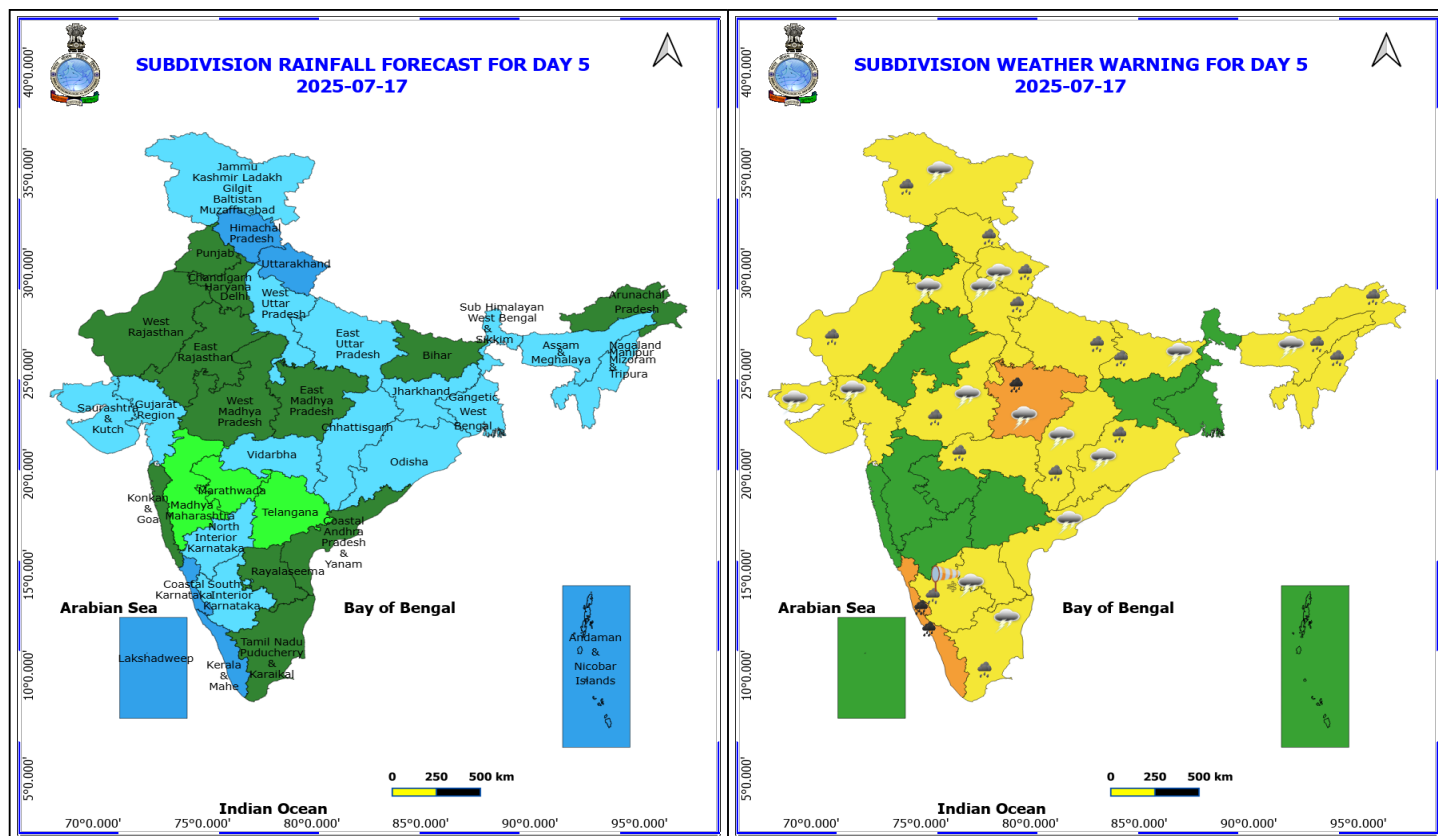
- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Coastal Karnataka, East Uttar Pradesh, Jharkhand, Kerala & Mahe and West Rajasthan.
- ❖ **Heavy Rainfall** likely at isolated places over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Bihar, Chhattisgarh, East Rajasthan, Gujarat Region, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Madhya Pradesh, Odisha, Punjab, South Interior Karnataka, Tamil Nadu Puducherry & Karaikal and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar, Jharkhand, Odisha and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Assam & Meghalaya, Chhattisgarh, East Rajasthan, Gangetic West Bengal, Gujarat State, Haryana, Chandigarh & Delhi, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Madhya Pradesh, Tamil Nadu Puducherry & Karaikal and West Uttar Pradesh.
- ❖ **Strong Surface Winds** likely at isolated places over South Interior Karnataka.
- ❖ Squally wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail along and off Somalia, Oman & adjoining Yemen coasts, most parts of westcentral Arabian Sea & adjoining, some parts of eastcentral Arabian Sea, northern parts of southwest Arabian Sea, Gulf of Mannar.
- ❖ Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph likely to prevail over many parts of eastcentral, westcentral Arabian Sea and adjoining south Arabian Sea, along and off Kerala, Karnataka coasts, Lakshadweep area, Comorin area, over few parts of southwest & westcentral Bay of Bengal, some southern parts of southwest Bay of Bengal.

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## 17 July (Day 5)

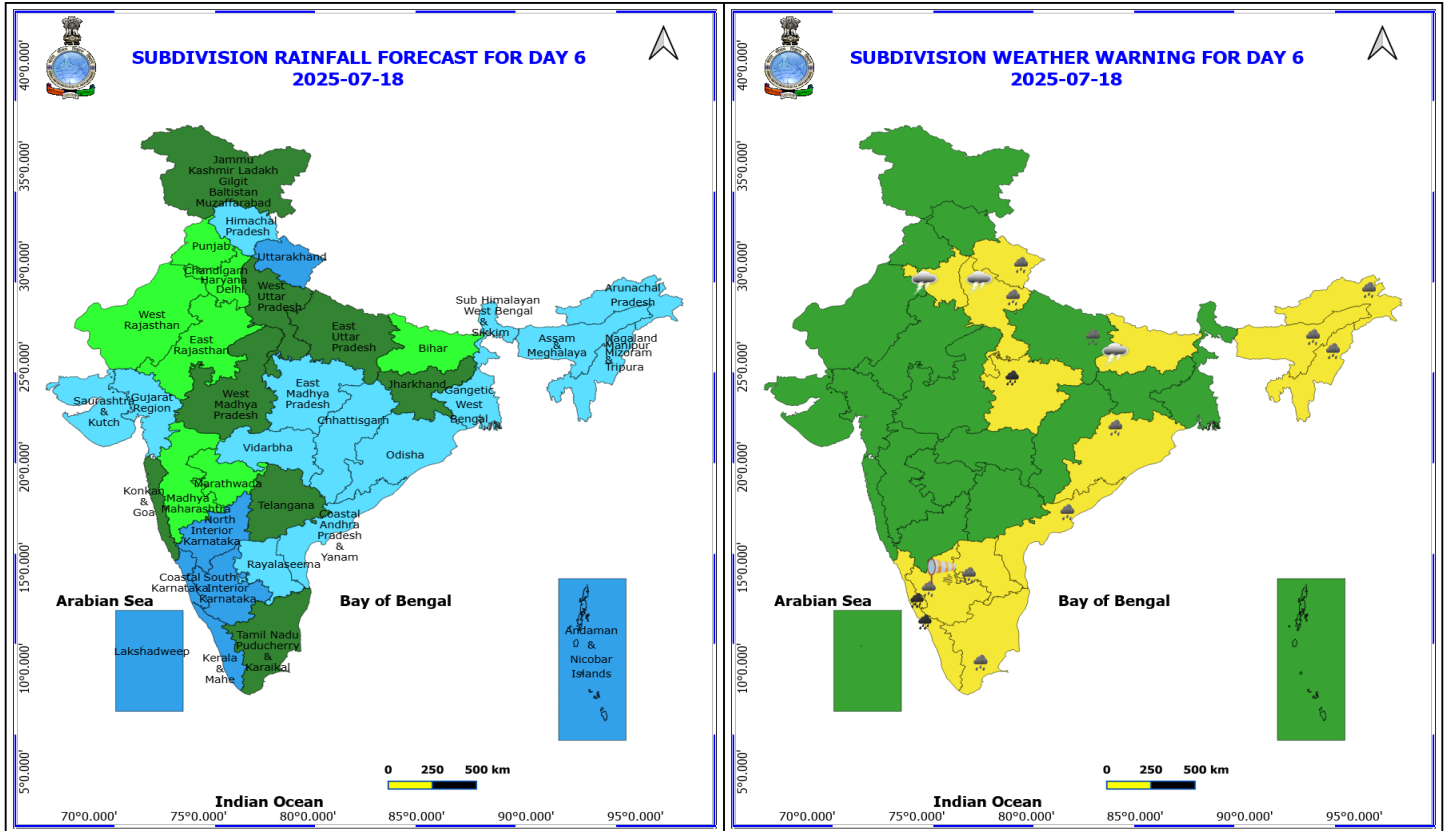
- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Coastal Karnataka, East Madhya Pradesh and Kerala & Mahe.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar, Chhattisgarh, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Nagaland, Manipur, Mizoram and Tripura, Odisha, South Interior Karnataka, Tamil Nadu Puducherry & Karaikal, Uttar Pradesh, Uttarakhand, Vidarbha, West Madhya Pradesh and West Rajasthan.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar and Odisha.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Andhra Pradesh, Assam & Meghalaya, Chhattisgarh, Gujarat State, Haryana, Chandigarh & Delhi, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Madhya Pradesh, Tamil Nadu Puducherry & Karaikal, Uttarakhand and West Uttar Pradesh.
- ❖ **Strong Surface Winds** likely at isolated places over South Interior Karnataka.
- ❖ Squally wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail along and off Somalia, Oman & adjoining Yemen coasts, most parts of westcentral Arabian Sea & adjoining, some parts of eastcentral Arabian Sea, northern parts of southwest Arabian Sea, Gulf of Mannar.
- ❖ Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph likely to prevail over many parts of eastcentral, westcentral Arabian Sea and adjoining south Arabian Sea, along and off Kerala, Karnataka coasts, Lakshadweep area, Comorin area, over few parts of southwest & westcentral Bay of Bengal, some southern parts of southwest Bay of Bengal.

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## 18 July (Day 6)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Coastal Karnataka, East Madhya Pradesh and Kerala & Mahe.
- ❖ **Heavy Rainfall** likely at isolated places over Andhra Pradesh, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram and Tripura, Odisha, South Interior Karnataka, Tamil Nadu Puducherry & Karaikal, Uttar Pradesh and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Haryana, Chandigarh & Delhi and West Uttar Pradesh.
- ❖ **Strong Surface Winds** likely at isolated places over South Interior Karnataka.

**No Fishermen Warning**

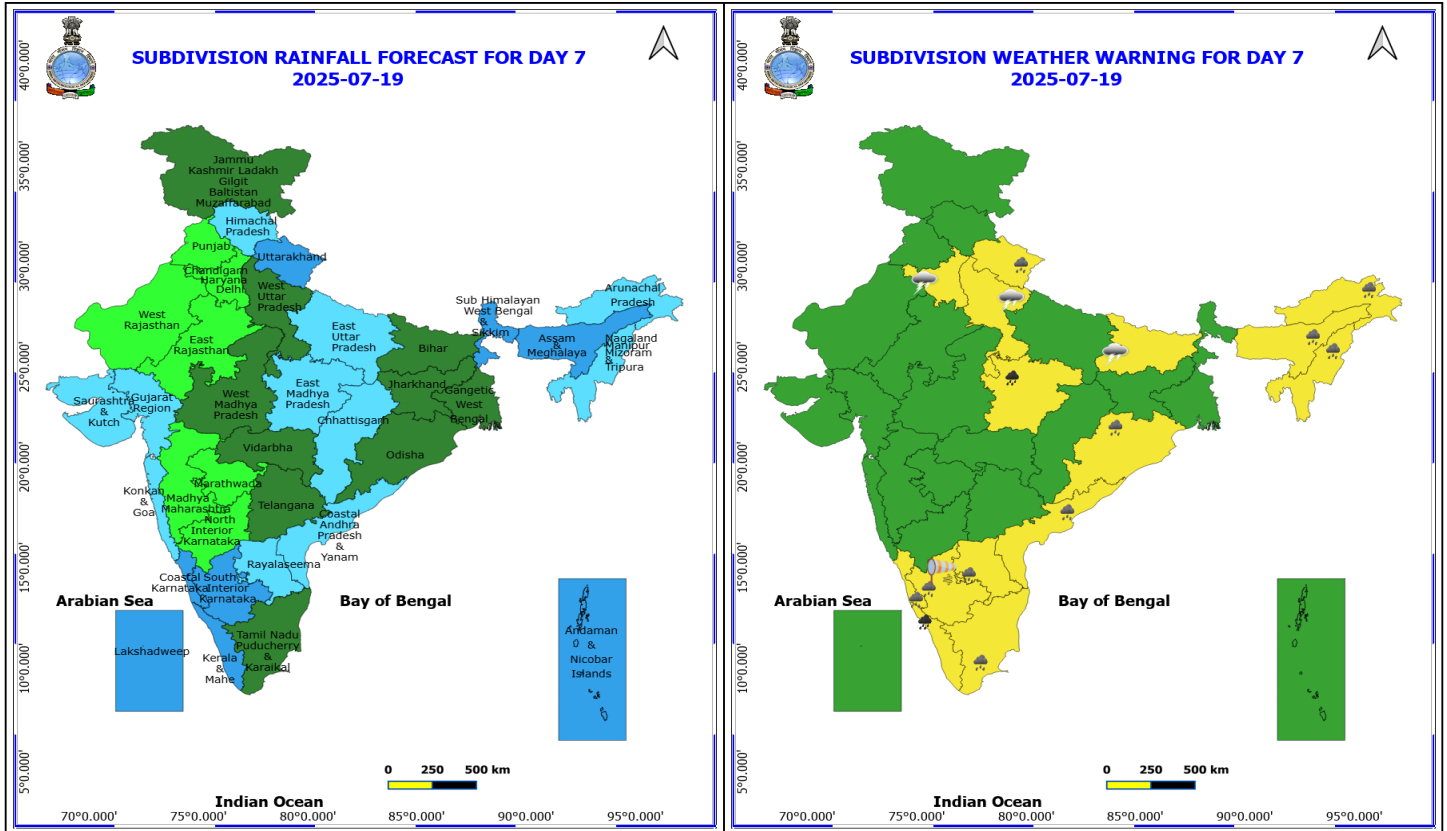
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## 19 July (Day 7)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Coastal Karnataka, East Madhya Pradesh and Kerala & Mahe.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar, Chhattisgarh, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Nagaland, Manipur, Mizoram and Tripura, Odisha, South Interior Karnataka, Tamil Nadu Puducherry & Karaikal, Uttar Pradesh, Uttarakhand, Vidarbha, West Madhya Pradesh and West Rajasthan.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar and Odisha.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Andhra Pradesh, Assam & Meghalaya, Chhattisgarh, Gujarat State, Haryana, Chandigarh & Delhi, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Madhya Pradesh, Tamil Nadu Puducherry & Karaikal, Uttarakhand and West Uttar Pradesh.
- ❖ **Strong Surface Winds** likely at isolated places over South Interior Karnataka.

**No Fishermen Warning**

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## Flash Flood Warnings

24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 14-07-2025 :

**Moderate flash flood risk** likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

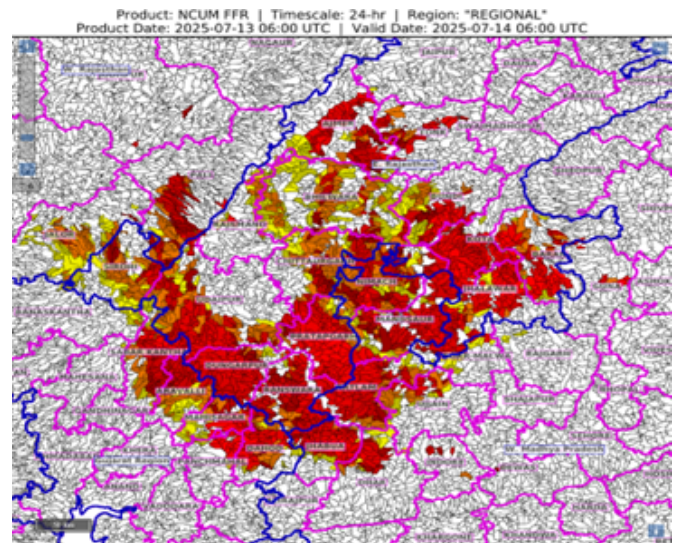
**East Rajasthan** - Ajmer, Banswara, Baran, Bhilwara, Bundi, Chittaurgarh, Dungarpur, Jhalawar, Kota, Pratapgarh, Rajsmand, Sirohi, Tonk and Udaipur districts.

**West Rajasthan** - Jalor and Pali districts.

**West Madhya Pradesh** - Agar-Malwa, Dhar, Guna, Indore, Jhabua, Mandsaur, Nimach, Rajgarh, Ratlam and Ujjain districts.

**Gujarat Region** - Aravalli, Banaskantha, Dahod, Mahisagar, Panchmahal and Sabar Kantha districts.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over Area of Concern (AoC) as shown in map due to expected rainfall occurrence in next 24 hours



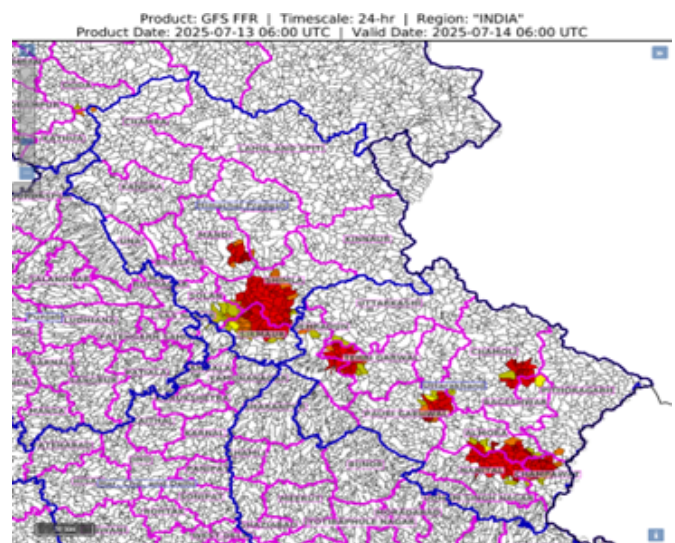
24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 14-07-2025 :

**Low to Moderate flash flood risk** likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

**Himachal Pradesh** - Mandi, Shimla, Sirmaur and Solan districts.

**Uttarakhand** - Almora, Bageshwar, Chamoli, Champawat, Dehradun, Nanital, Pauri Garhwal, Pithoragarh, Tehri Garwal and Uttarkashi districts.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over Area of Concern (AoC) as shown in map due to expected rainfall occurrence in next 24 hours.



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# Table-1

## 7 Days Rainfall Forecast

S.No.	Subdivision	13- Jul	14- Jul	15- Jul	16- Jul	17- Jul	18- Jul	19- Jul
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	FWS	WS	WS	WS	WS	WS	WS
2	ARUNACHAL PRADESH	SCT	FWS	FWS	SCT	SCT	FWS	FWS
3	ASSAM & MEHGHALAYA	SCT	FWS	FWS	FWS	FWS	FWS	WS
4	N. M. M. & T.	SCT	FWS	FWS	FWS	FWS	FWS	FWS
5	S.H. WEST BENGAL & SIKKIM	FWS	FWS	FWS	FWS	FWS	FWS	WS
6	GANGETIC WEST BENGAL	WS	WS	WS	FWS	FWS	FWS	SCT
7	ODISHA	WS	WS	FWS	FWS	FWS	FWS	SCT
8	JHARKHAND	WS	WS	WS	WS	FWS	SCT	SCT
9	BIHAR	SCT	SCT	FWS	FWS	SCT	ISOL	SCT
10	EAST UTTAR PRADESH	SCT	FWS	FWS	FWS	FWS	SCT	FWS
11	WEST UTTAR PRADESH	FWS	SCT	FWS	FWS	FWS	SCT	SCT
12	UTTARAKHAND	WS	WS	WS	WS	WS	WS	WS
13	HARYANA, CHD & DELHI	FWS	FWS	SCT	SCT	SCT	ISOL	ISOL
14	PUNJAB	SCT	SCT	SCT	SCT	SCT	ISOL	ISOL
15	HIMACHAL PRADESH	FWS	FWS	FWS	WS	WS	FWS	FWS
16	JAMMU AND KASHMIR AND LADAKH	SCT	SCT	FWS	FWS	FWS	SCT	SCT
17	WEST RAJASTHAN	SCT	FWS	FWS	FWS	SCT	ISOL	ISOL
18	EAST RAJASTHAN	WS	WS	FWS	FWS	SCT	ISOL	ISOL
19	WEST MADHYA PRADESH	WS	FWS	FWS	FWS	SCT	SCT	SCT
20	EAST MADHYA PRADESH	WS	FWS	FWS	SCT	SCT	FWS	FWS
21	GUJRAT REGION	WS	WS	WS	FWS	FWS	FWS	FWS
22	SAURASHTRA & KUTCH	FWS	FWS	FWS	FWS	FWS	FWS	FWS
23	KONKAN & GOA	WS	WS	FWS	FWS	SCT	SCT	FWS
24	MADHYA MAHARASHTRA	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
25	MARATHWADA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
26	VIDARBHA	SCT	SCT	SCT	SCT	FWS	FWS	SCT
27	CHATTISGARH	SCT	SCT	SCT	SCT	FWS	FWS	FWS
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	ISOL	ISOL	SCT	FWS	FWS
29	TELANGANA	ISOL	ISOL	ISOL	ISOL	ISOL	SCT	SCT
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	SCT	FWS	FWS
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	SCT	SCT	SCT	SCT
32	COSTAL KARNATAKA	WS	WS	WS	WS	WS	WS	WS
33	NORTH INTERIOR KARNATAKA	ISOL	SCT	SCT	FWS	FWS	WS	ISOL
34	SOUTH INTERIOR KARNATAKA	FWS	FWS	FWS	FWS	FWS	WS	WS
35	KERALA	WS	WS	WS	WS	WS	WS	WS
36	LAKSHDWEAP	WS	WS	WS	WS	WS	WS	WS

Legend	Category	%Stations
WS	Widespread/Most Places	76-100
FWS	Fairly Widespread/Many Places	51-75
SCT	Scattered/ A Few Places	26-50
ISOL	Isolated Places	1-25
DRY	No Rain	0

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Fig. 1: Maximum Temperatures Dated 2025-07-13

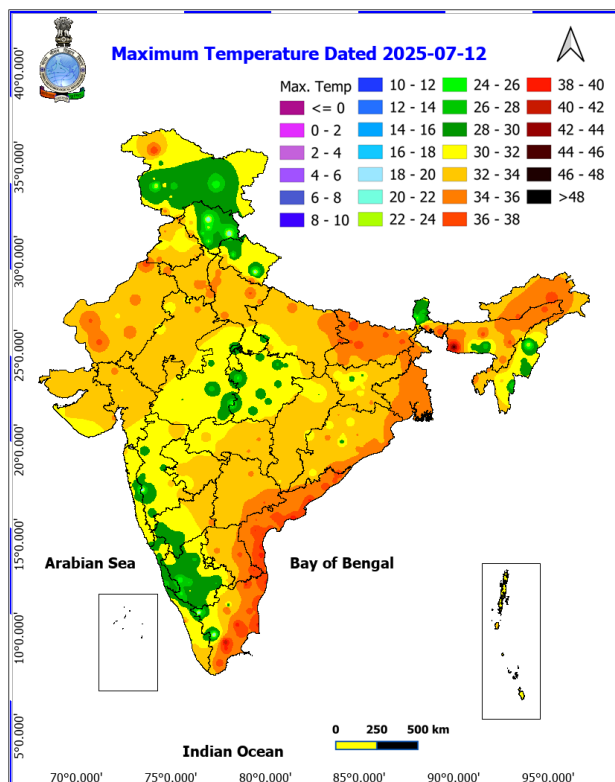


Fig. 2: Departure of Maximum Temp. Dated 2025-07-13

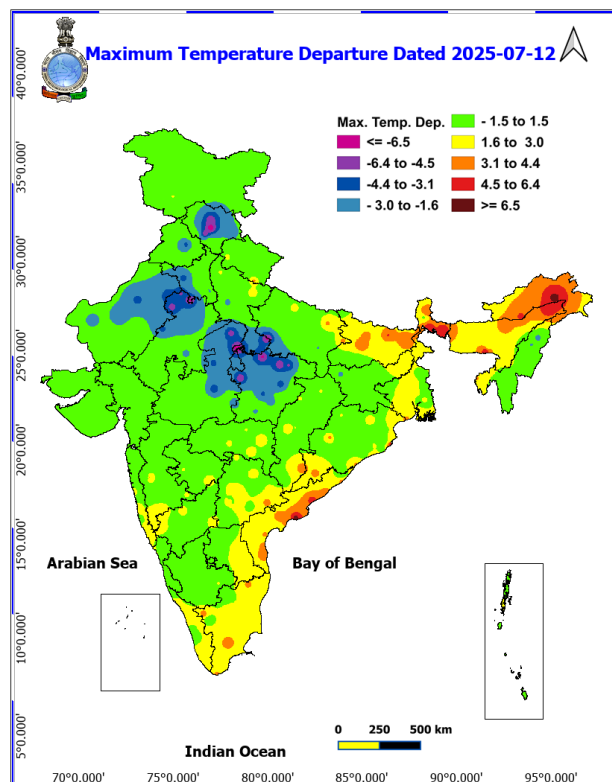


Fig. 3: Minimum Temperatures Dated 2025-07-13

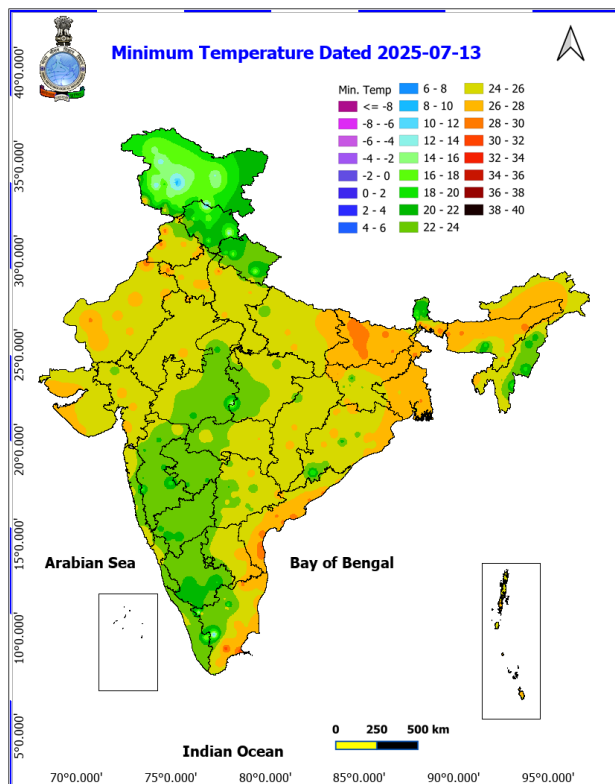
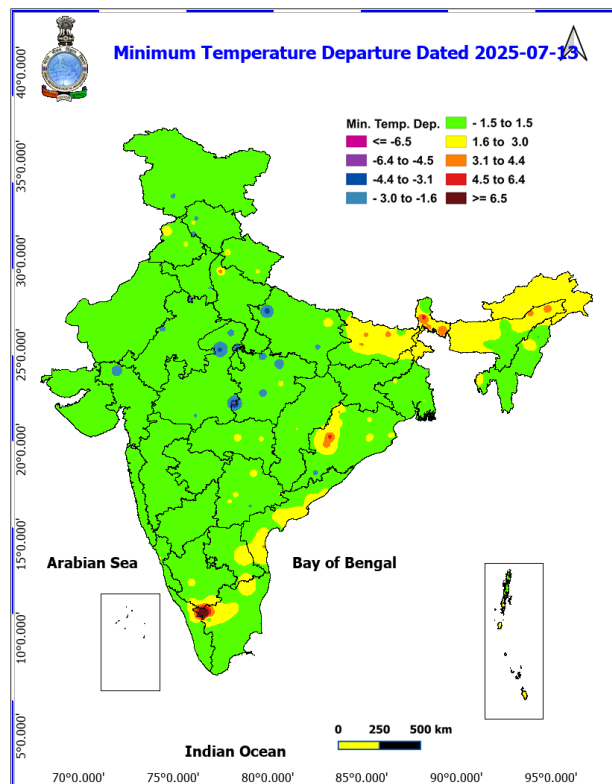
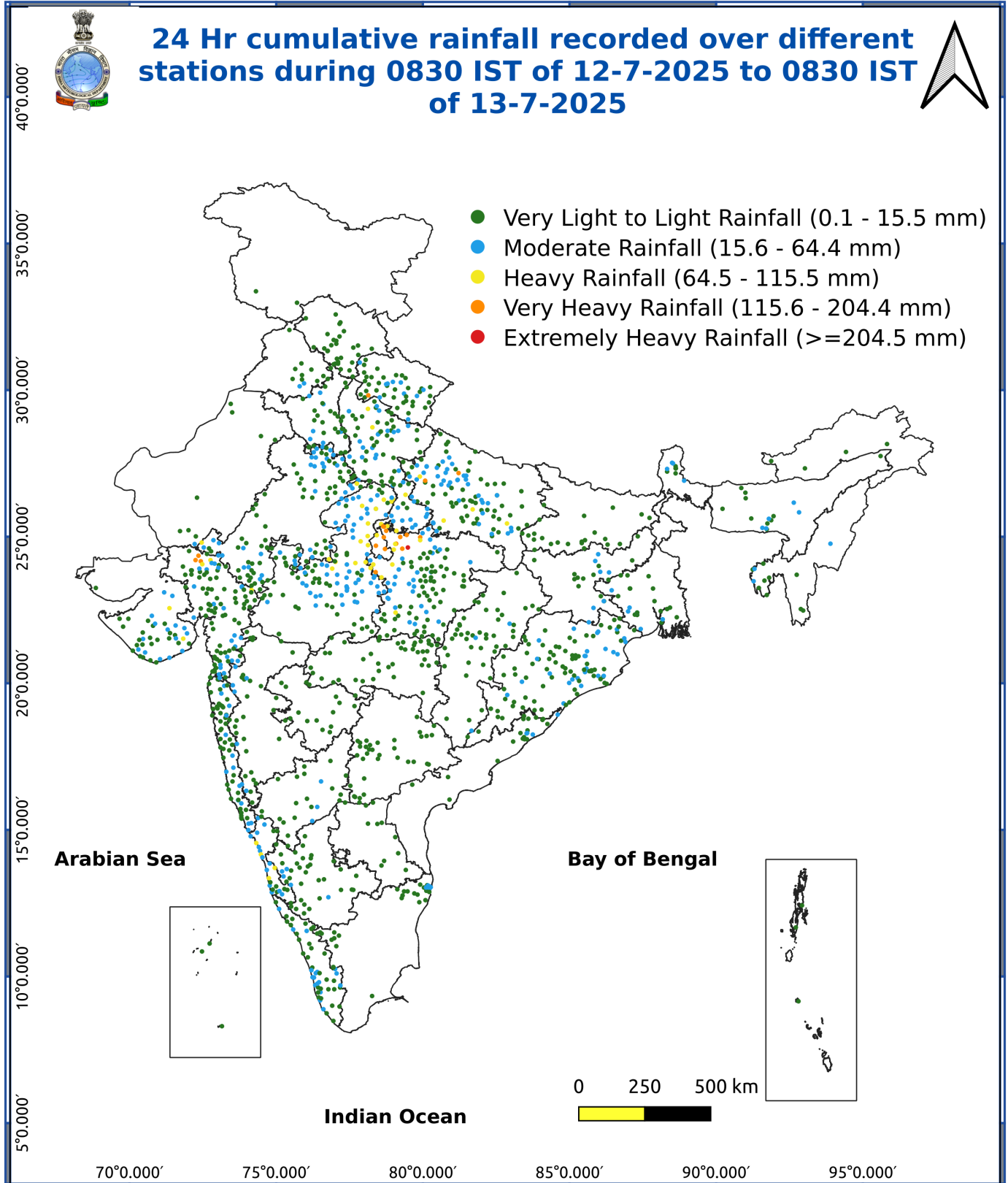


Fig. 4: Departure of Minimum Temp. Dated 2025-07-13





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### Impact & Action Suggested

- **Extremely heavy rainfall ( $\geq 21$  cm) very likely at isolated places over** West Rajasthan on 14<sup>th</sup> & 15<sup>th</sup>, East Rajasthan during 13<sup>th</sup>-15<sup>th</sup> and West Madhya Pradesh on 13<sup>th</sup> July.
- **Very heavy rainfall over Rajasthan during 13<sup>th</sup>-16<sup>th</sup> July. West Madhya Pradesh, Gujarat Region on 13<sup>th</sup> & 14<sup>th</sup>, East Madhya Pradesh on 13<sup>th</sup> and during 17<sup>th</sup>-19<sup>th</sup>, Gangetic West Bengal on 14<sup>th</sup>, Jharkhand during 14<sup>th</sup>-16<sup>th</sup>, Odisha on 13<sup>th</sup> & 14<sup>th</sup>, East Uttar Pradesh on 16<sup>th</sup>, Kerala & Mahe, and Coastal Karnataka during 16<sup>th</sup>-18<sup>th</sup> July**

### Impact Expected

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of (**Rajasthan and West Madhya Pradesh**) 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/landslips/mudslips/landsinks/mudsinks.
- 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)

### 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.

### Agromet advisories for various parts of the country

#### Agromet advisories for likely impact of Heavy / Heavy to Very Heavy Rainfall

- In **East Rajasthan**, ensure proper drainage of excess water from rice nurseries and fields of maize, soybean, and black gram in the **Southeastern Humid Plain Zone**. In **Flood-Prone Eastern Plain Zone**, provide drainage in fields of pearl millet, sesame, black gram, and vegetables. In **Southern Humid Plain Zone**, postpone the sowing of soybean, maize, cotton, and groundnut, and ensure drainage of excess water from standing crops. In **Sub-Humid Southern Plains Zone**, postpone sowing of maize, soybean, green gram, black gram, and groundnut, and ensure drainage of excess water from standing crops. In **West Rajasthan**, postpone sowing of green gram, cluster bean, moth bean, sesame etc and make provision to drain out excess water from *kharif crops* in **Transitional Plain of Luni basin**.
- In **Madhya Pradesh**, postpone sowing of *kharif* crops in regions with excessive rainfall. Drain out excess water from rice nurseries and fields of soybean, maize and vegetables in **Kymore Plateau and Satpura Hill Zone**; and from rice nurseries and sugarcane in **Central Narmada Valley Zone**. Ensure proper drainage facilities in the fields of maize, soybean and vegetables in **Satpura Plateau zone**; soybean and vegetables in **Vindhya Plateau Zone**; soybean and pearl millet in **Malwa Plateau Zone**; and soybean, maize, cotton and black gram in **Jhabua Hills Zone**. In **Central Narmada Valley Zone**, avoid sowing of soybean and maize crop till the cessation of heavy rains.
- In **Uttar Pradesh**, make proper arrangements for drainage in standing crops and vegetable nurseries in **Eastern Plain Zone**; fields of rice, pulses (black gram, pigeon pea etc.) and groundnut in **Central Plain Zone**; and fields of paddy, spring sugarcane, pigeon pea, maize and vegetables in **South Western Semi-Arid Zone**. In **Chitrakoot district**, avoid sowing of sesame and pearl millet and nursery sowing of vegetables (chilli, brinjal, tomato, cabbage and bitter gourd) during heavy rainfall.
- In **Coastal Karnataka**, drain out excess water from rice nurseries, transplanted rice fields and plantations of

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arecanut and coconut in **Coastal Zone**; and from rice nurseries and fields of maize, cotton and ginger and plantations of arecanut in **Hill Zone**.

- In **Odisha**, ensure proper drainage from already sown rice nurseries, fields of maize and vegetables to prevent waterlogging.
- In **Jharkhand**, make necessary arrangements to drain out excess water from maize fields, rice and vegetable nurseries. Cover the vegetable nurseries with polythene sheets.
- In **Gujarat region**, drain out excess water from rice nurseries, sugarcane fields, banana and mango plantations to prevent waterlogging. Provide support to sugarcane with strong bamboo or tie the leaves together to prevent lodging. In **Saurashtra & Kutch**, drain out excess water from fields of groundnut, soybean, cotton and vegetables and horticultural plantations. Undertake propping in sugarcane with strong bamboo or tie the leaves together in a clump to protect against wind and heavy rain.

#### Livestock / Fishery

- Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- Store feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain out excess water, thereby preventing fish from escaping in case of overflow.
- **Agromet advisories for likely impact of Thunderstorm / Gusty Winds / Squally Winds**
- Provide mechanical support to horticultural crops and staking or support to vegetables and young fruit plants / fruit-bearing plants to avoid lodging due to strong winds.

## LEGENDS

- 1 अंडमान और निकोबार द्वीप समुह
- 2 अरुणाचल प्रदेश
- 3 असम और मेघालय
- 4 नागालैंड मनीपुर मीजोरम और त्रिपुरा
- 5 उप हिमालय पश्चिम बंगाल एवं सिक्किम
- 6 पश्चिम बंगाल
- 7 ओडिसा
- 8 झारखंड
- 9 बिहार
- 10 पूर्वी उत्तर प्रदेश
- 11 पश्चिम उत्तर प्रदेश
- 12 उत्तराखंड
- 13 हरियाणा चंडीगढ़ एवं दिल्ली
- 14 पंजाब
- 15 हिमाचल प्रदेश
- 16 जम्मू एवं कश्मीर एवं लद्दाख
- 17 पश्चिम राजस्थान
- 18 पूर्वी राजस्थान
- 19 पश्चिम मध्य प्रदेश
- 20 पूर्वी मध्य प्रदेश
- 21 गुजरात क्षेत्र
- 22 सौराष्ट्र एवं कच्छ
- 23 कोंकण एवं गोवा
- 24 मध्य महाराष्ट्र
- 25 मराठावाड़ा
- 26 विदर्भ
- 27 छत्तीसगढ़
- 28 तटीय आंध्र प्रदेश एवं यनम
- 29 तेलंगाना
- 30 रायलसीमा
- 31 तमिलनाडु, पुदुचेरी एवं कराईकल
- 32 तटिय कर्नाटक
- 33 आंतरिक उत्तरी कर्नाटक
- 34 आंतरिक दक्षिणी कर्नाटक
- 35 केरल एवं माहे
- 36 लक्षद्वीप



1. Andaman & Nicobar Islands
2. Arunachal Pradesh
3. Assam & Meghalaya
4. Nagaland, Manipur, Mizoram & Tripura
5. Sub-Himalayan West Bengal & Sikkim
6. Gangetic West Bengal
7. Orissa
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Chd & Delhi
14. Punjab
15. Himachal Pradesh
16. Jammu & Kashmir and Ladakh
17. West Rajasthan
18. East Rajasthan
19. West Madhya Pradesh
20. East Madhya Pradesh
21. Gujarat
22. Saurashtra
23. Konkan & Goa
24. Madhya Maharashtra
25. Marathawada
26. Vidharbha
27. Chhattisgarh
28. Coastal Andhra Pradesh & Yanam
29. Telangana
30. Rayalaseema
31. Tamilnadu, Puducherry & Karaikal
32. Coastal Karnataka
33. North Interior Karnataka
34. South Interior Karnataka
35. Kerala & Mahe
36. 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)


## Subdivision Colour


- NO WARNING
- WATCH (BE UPDATED)
- ALERT (BE PREPARED TO TAKE ACTION)
- WARNING (TAKE ACTION)


## Probabilistic Forecast


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


-  Heavy Rain


 Thunderstorm & Lightning


 Strong surface winds


 Cold Wave


 Hot & Humid


 Very Heavy Rain


 Hailstorm


 Heat Wave


 Cold Day


 Extremely Heavy Rain


 Dust Storm


 Hot Day

 Ground Frost

 Heavy Snow

 Dust Raising Winds

 Warm Night

 Fog

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## LEGENDS

### WARNING

<b>WARNING (TAKE ACTION)</b>
<b>ALERT (BE PREPARED)</b>
<b>WATCH (BE UPDATED)</b>
<b>NO WARNING (NO ACTION)</b>

### Probabilistic Forecast

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



Heavy: 64.5 to 115.5 mm/cm \*  
Very Heavy: 115.6 to 204.4 mm/cm \*  
Extremely Heavy: > 204.4 mm/cm \*



When maximum temperature of a station reaches  $\geq 40^{\circ}\text{C}$  for plains and  $\geq 30^{\circ}\text{C}$  for hilly regions  
(a) Based on Departure from normal

Heat Wave: Maximum Temperature Departure from normal  $4.5^{\circ}\text{C}$  to  $6.4^{\circ}\text{C}$ .  
Severe Heat Wave: Maximum Temperature Departure from normal  $\geq 6.5^{\circ}\text{C}$

(b). Based on Actual maximum temperature

Heat Wave: When actual maximum temperature  $\geq 45^{\circ}\text{C}$ .  
Severe Heat Wave: When actual maximum temperature  $\geq 47^{\circ}\text{C}$

(c). Criteria for heat wave for coastal stations

When maximum temperature departure is  $> 4.5^{\circ}\text{C}$  from normal. Heat Wave may be described provided maximum temperature  $\geq 37^{\circ}\text{C}$



When maximum temperature remains  $40^{\circ}\text{C}$

Warm Night: When minimum temperature departure  $4.5^{\circ}\text{C}$  to  $6.4^{\circ}\text{C}$ .  
Severe Warm Night: When minimum temperature departure  $> 6.4^{\circ}\text{C}$ .



When minimum temperature of a station  $\leq 10^{\circ}\text{C}$  for plains and  $\leq 0^{\circ}\text{C}$  for hilly regions.

(a). Based on departure

Cold Wave: Minimum Temperature Departure from normal  $-4.5^{\circ}\text{C}$  to  $-6.4^{\circ}\text{C}$ .  
Severe Cold Wave: Minimum Temperature Departure from normal  $\leq -6.5^{\circ}\text{C}$

(b) Based on actual Minimum Temperature (for Plains only)

Cold Wave: When Minimum Temperature is  $\leq 4.0^{\circ}\text{C}$   
Severe Cold Wave: When Minimum Temperature is  $\leq 2.0^{\circ}\text{C}$

(c) For Coastal Stations

When Minimum Temperature departure is  $\leq -4.5^{\circ}\text{C}$  & actual Minimum Temperature is  $\leq 15^{\circ}\text{C}$



When minimum temperature of a station  $\leq 10^{\circ}\text{C}$  for plains and  $\leq 0^{\circ}\text{C}$  for hilly regions  
Based on departure

Cold Day: Maximum Temperature Departure from normal  $-4.5^{\circ}\text{C}$  to  $-6.4^{\circ}\text{C}$ .  
Severe Cold Day: Maximum Temperature Departure from normal  $\leq -6.5^{\circ}\text{C}$



Phenomenon of small droplets suspended in air and the horizontal visibility  $< 1\text{km}$

Moderate Fog: When the visibility between 500-200 metres  
Dense Fog: when the visibility between 50-200 metres  
Very Dense Fog: when the visibility  $< 50$  metres



Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)



An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.



Ice deposits on ground

Air temperature  $\leq 4^{\circ}\text{C}$  (over Plains)



A strong wind that rises suddenly, lasts for at least 1 minute.

Moderate: Wind speed 52-61 kmph  
Severe: Wind speed 62-87 kmph  
Very Severe: Wind speed  $> 87$  kmph



Effect of various waves in the sea over specific area

Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre  
High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre  
Phenomenal: Wind speed  $> 117$  kmph ( $> 63$  knots) & Wave height  $> 14$  metre



Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots)

Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots)  
Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64-89 knots)  
Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90-119 knots)  
Super Cyclone Storm: Wind speed  $> 220$  kmph ( $> 119$  knots)

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