Government of India

Earth System Science Organization

Ministry of Earth Sciences

India Meteorological Department

Press Release: Dated: 17th July, 2025

Subject: Current Weather Status and Extended range Forecast for the next two weeks (17th to 30th July 2025)

1. Salient Observed Features for the week ending 16th July 2025:

- **Third consecutive week of Excess to Large Excess rainfall activities over the most meteorological sub-divisions of northwest and adjoining central India (**see Fig. 6**) with weekly rainfall departure was more than 60% for West Rajasthan (196%), East Rajasthan (85%), East Madhya Pradesh (77%), Jharkhand (92%), and Gangetic West Bengal (61%). All-India rainfall departure was 9% during the week.** It was mainly due to (a) monsoon trough was near its normal position during most days of the week, and (b) formation of twin low pressure systems and their further intensifications into depressions with one formed as a **Low Pressure Area** over north Bay of Bengal & adjoining coastal areas of Bangladesh, West Bengal & north Odisha on 13th July which moved as a **Depression** over southeast Gangetic West Bengal & adjoining Bangladesh in a west-northwestward direction to north Jharkhand and adjoining south Bihar at 0830 hrs IST of 15th July and then weakened into a **Well-Marked Low Pressure Area** and then to southwest Bihar & adjoining east Uttar Pradesh at 0830 hrs IST of 16th July and another as a **Low Pressure Area** formed over northwest Madhya Pradesh & neighbourhood on 13th July, which concentrated into a **Depression** and lay centred at 0830 hrs IST of 15th July, over central parts of north Rajasthan and then weakened into a **Well-Marked Low Pressure Area** over northwest Rajasthan and neighbourhood at 0530 hrs IST of 16th July. It moved north-northwestwards and weakened into a **Low Pressure Area** over central parts of Pakistan & adjoining northwest Rajasthan at 1730 hrs IST of 16th July.
- **Heavy to very heavy rainfall with extremely heavy rainfall** at isolated places was recorded over East Madhya Pradesh on 12th & 13th July, East Uttar Pradesh, Coastal Karnataka on 12th July, Odisha on 14th July, Uttarakhand, Konkan & Goa, Madhya Maharashtra on 16th July.
- **Heavy to very heavy rainfall** was recorded at isolated places Jammu & Kashmir on 10th & 16th July, Himachal Pradesh on 10th & 12th July, Punjab on 10th & 11th July, West Uttar Pradesh on 10th & 13th July, East Rajasthan on 10th, 14th & 15th July, Chhattisgarh on 10th & 16th July, Uttarakhand, Haryana, on 10th July, East Uttar Pradesh on 11th, 13th & 14th July, East Madhya Pradesh on 11th July; Gujarat Region on 13th July, Jharkhand during 14th – 16th July, West Rajasthan

on 14th & 15th July, West Madhya Pradesh on 14th July, Assam & Meghalaya on 15th & 16th July, Gangetic West Bengal, Sub-Himalayan West Bengal & Sikkim, Odisha, Kerala & Mahe, Coastal Karnataka, Konkan & Goa, Madhya Maharashtra on 15th July, Bihar on 16th July.

- **Heavy rainfall** was recorded at isolated places over West Rajasthan on 10th, 12th, 13th & 16th July, West Madhya Pradesh during 10th – 13th July, East Madhya Pradesh on 10th, 15th & 16th July, Vidarbha on 10th July, Madhya Maharashtra on 10th & 14th July, Gangetic West Bengal on 10th, 11th & 14th July, Sub-Himalayan West Bengal & Sikkim on 10th, 14th, 15th & 16th July, Coastal Karnataka on 10th, 11th, 13th, 14th & 16th July, South Interior Karnataka on 10th, 12th, 14th, 15th & 16th July, Odisha on 10th, 13th & 16th July, Jharkhand on 10th, 11th & 13th July, Assam & Meghalaya on 10th, 11th & 14th July, Nagaland, Manipur, Mizoram & Tripura on 10th, 12th, 14th, 15th & 16th July, Himachal Pradesh on 11th & 14th July, Haryana and West Uttar Pradesh on 11th, 12th & 14th July, East Rajasthan during 11th – 13th July, Chhattisgarh on 11th, 12th, 14th & 15th July, Kerala & Mahe on 11th, 12th & 16th July, Bihar on 11th & 15th July, Tamil Nadu, Puducherry & Karaikal on 12th, 14th & 15th July, Saurashtra & Kutch on 13th & 14th July, Uttarakhand on 14th July, Gujarat Region during 14th – 16th July, East Uttar Pradesh and Punjab on 15th July, Arunachal Pradesh on 15th & 16th July, Coastal Andhra Pradesh on 16th July.
- **Weekly Average Maximum temperature** was above normal by 2-4°C over parts of northeast and southeast peninsular India, below normal by 2-4°C over parts of north, west, northwest, central and east India, and nearly normal over remaining parts of the country during the week. **Weekly Average Minimum temperature** was above normal by 1-3°C over parts of northeast India, and nearly normal over remaining parts of the country during the week.
- **Temperature Scenario:** The lowest minimum temperature of **17.8 °C** had been recorded at **Khargone (West Madhya Pradesh)** on **12th July, 2025** and the highest maximum temperature of **41.5 °C** had been recorded at **Madurai (Tamil Nadu)** on **12th July, 2025** over the plains of the country during the week.

- **Analysis of weekly overall rainfall distribution during the week-ending on 16th July and Monsoon Season's Rainfall Scenario (1st June– 16th July 2025):** The country as a whole, the weekly cumulative All India Rainfall (for 10th July to 16th July 2025) is -11% departure from its long period average (LPA). All India Seasonal cumulative rainfall departure during this year's monsoon Season Rainfall (01st June to 16th July 2025) is +9%. Details of the rainfall distribution over the four broad geographical regions of India are given in Table 1, and Meteorological sub-division-wise rainfall for week and season are given in Annexure I & II, respectively.

Table 1: Rainfall status (Week and season)

Region	Week			Season		
	10.07.2025 TO 16.07.2025			01.06.2025 TO 16.07.2025		
	Actual (mm)	Normal (mm)	Departure (%)	Actual (mm)	Normal (mm)	Departure (%)
EAST & NORTHEAST INDIA	**70.4**	**100.3**	**-30%**	**437.1**	**554.3**	**-21%**
NORTHWEST INDIA	**67.1**	**51.1**	**+31%**	**233.2**	**176.6**	**+32%**
CENTRAL INDIA	**62.6**	**71.7**	**-13%**	**429.6**	**326.8**	**+31%**
SOUTH PENINSULA	**26.2**	**46.9**	**-44%**	**233.6**	**262.3**	**-11%**
THE COUNTRY AS A WHOLE	**58.1**	**65.1**	**-11%**	**331.9**	**304.2**	**+9%**

2. Large scale features:

❖ Currently, Neutral El Niño–Southern Oscillation (ENSO) conditions prevail over the Equatorial Pacific Ocean. Forecasts from the latest Monsoon Mission Climate Forecast System (MMCFS) and other climate models suggest that these neutral conditions likely to persist till the end of the monsoon season.

❖ At present, neutral Indian Ocean Dipole (IOD) conditions are observed over the Indian Ocean. The latest MMCFS forecast indicates that weak negative IOD conditions are likely to develop during the monsoon season.

❖ Madden Julian Oscillation (MJO) is currently in phase 5 with an amplitude greater than 1. Most of the model forecasts have a consensus and suggest that the MJO is likely to continue in phase 5 during the first half of week 1, with the amplitude remaining greater than 1. Thereafter, it is likely to propagate eastwards across phases 6 and 7 during remaining part of the forecast period. Hence, MJO is likely to support enhancement of convective activity over the North Bay of Bengal (BoB) and land areas of eastern parts of India during first half of week 1. Thereafter, it is not likely to support the enhancement of convective activity over the North Indian Ocean (NIO) including the BoB and the Arabian Sea (AS) from second half of week 1.

Forecast for next two week

Weather systems & associated Precipitation during Week 1 (17 to 23 July, 2025) and Week 2 (24 to 30 July, 2025)

Weather systems & associated Precipitation during Week 1 (17 to 23 July, 2025):

❖ The **Monsoon trough** is active and runs near its normal position at mean sea level.

❖ A **Depression** lay centred at 0830 hrs IST of today, the 17th, over Southeast Uttar Pradesh, 40 km southwest of Prayagraj, 100 km northeast of Satna, 120 km east-

southeast of Banda and 160km east of Khajuraho. It is likely to move west-northwestwards across south Uttar Pradesh and adjoining north Madhya Pradesh during next 2days.

- ❖ A **Western Disturbance** as a trough in middle tropospheric levels runs roughly along Long. 70°E to the north of Lat. 30°N.
- ❖ An **upper air cyclonic circulation** lies over central parts of Pakistan in lower tropospheric levels.
- ❖ An **east-west trough** runs roughly along Lat. 10°N in middle tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over North Interior Karnataka and neighbourhood in lower tropospheric levels.
- ❖ Under the influence of these systems, the following weather is likely:

Northwest India:

- ✓ **Extremely heavy rainfall (≥21 cm)** very likely at isolated places over Uttar Pradesh on 17th and Rajasthan on 18th July.
- ✓ Isolated **heavy rainfall** likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, East Uttar Pradesh during 17th-23rd; Punjab, Haryana on17th, during 21st-23rd; Rajasthan during 17th-19thJuly with **very heavy rainfall over Uttarakhand on 17th and during 20th-23rd; West Uttar Pradesh on 18th, 20th & 21st; East Rajasthan on 17th and Himachal Pradesh during 21st- 23rd 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.

South Peninsular India:

- ✓ **Extremely heavy rainfall (≥21 cm)** very likely at isolated places over Kerala on 17th, 19th & 20th; Coastal Karnataka on 17th and South Interior Karnataka on 17th & 18th July.
- ✓ Isolated **heavy to very heavy rainfall** likely over Kerala & Mahe, Tamil Nadu, Coastal and South Interior Karnataka during 17th- 23rd; isolated **heavy rainfall** over Coastal Andhra Pradesh & Yanam, north Interior Karnataka during 17th- 23rd; Lakshadweep on 19th & 20th; Rayalaseema and Telangana during 17th- 19th July**.**
- ✓ **Strong surface winds** (speed reaching 40-50 Kmph) very likely over South Peninsular India during many days of week.
- ✓ 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.

East & Central India:

- ✓ **Extremely heavy rainfall (≥21 cm)** very likely at isolated places over Madhya Pradesh on 17th July.

- ✓ Isolated **heavy rainfall** very likely to continue over Madhya Pradesh on 17th, 18th and during 21st-23rd; Vidarbha, Chhattisgarh during 21st -23rd; Bihar on 17th, during 20th-23rd; Andaman & Nicobar Islands on 17th; Sub-Himalayan West Bengal & Sikkim, Odisha during 19th- 23rd July **with very heavy rainfall over West Madhya Pradesh on 18th and Sub-Himalayan West Bengal & Sikkim on 20thJuly.**
- ✓ Light/moderate rainfall at most/many places accompanied with accompanied with thunderstorm & lightning likely over the region during next 7 days.

West India:

- ✓ **Heavy rainfall** likely at isolated places over Konkan & Goa during 17th-23rd; Ghat areas of Madhya Maharashtra during 20th-23rd; Marathwada on 17thJuly.
- ✓ Light/moderate rainfall at many/some places very likely over the region during next one week.

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 Arunachal Pradesh, Assam & Meghalaya, Nagaland & Tripura during 17th-22nd with very heavy rainfall over Meghalaya on 19th July.

Precipitation for week 2 (24 to 30 July, 2025):

- ❖ A low pressure area is likely to form over north Bay of Bengal during beginning of week and likely to move west-northwest thereafter.
- ❖ Eastern end of Monsoon trough is likely to runs south of its normal position during many days of the week.
- ❖ An off-shore trough likely to runs along the west coast during many days of the week.
- ❖ As a result, fairly widespread to widespread rainfall with isolated heavy to very heavy falls likely over many parts of east & adjoining central India (specially Odisha and Chhattisgarh) during many days of the week. Extremely heavy rainfall at isolated places over above areas also likely during one or two days of the week.
- ❖ Fairly widespread to widespread rainfall with isolated heavy to very heavy falls likely along west coast during most days of the week. Extremely heavy rainfall at isolated places along west coast also likely during some days of the week.
- ❖ Overall, near normal to above normal rainfall activity is likely over central & south Peninsular India; near normal over most parts of east & northeast India; below normal rainfall activity is likely over most parts of northwest India during the week.

Temperature forecast for Week 1 (17 to 23 July, 2025) and Week 2 (24 to 30 July, 2025)

Temperature forecast for Week 1 (17 to 23 July, 2025):

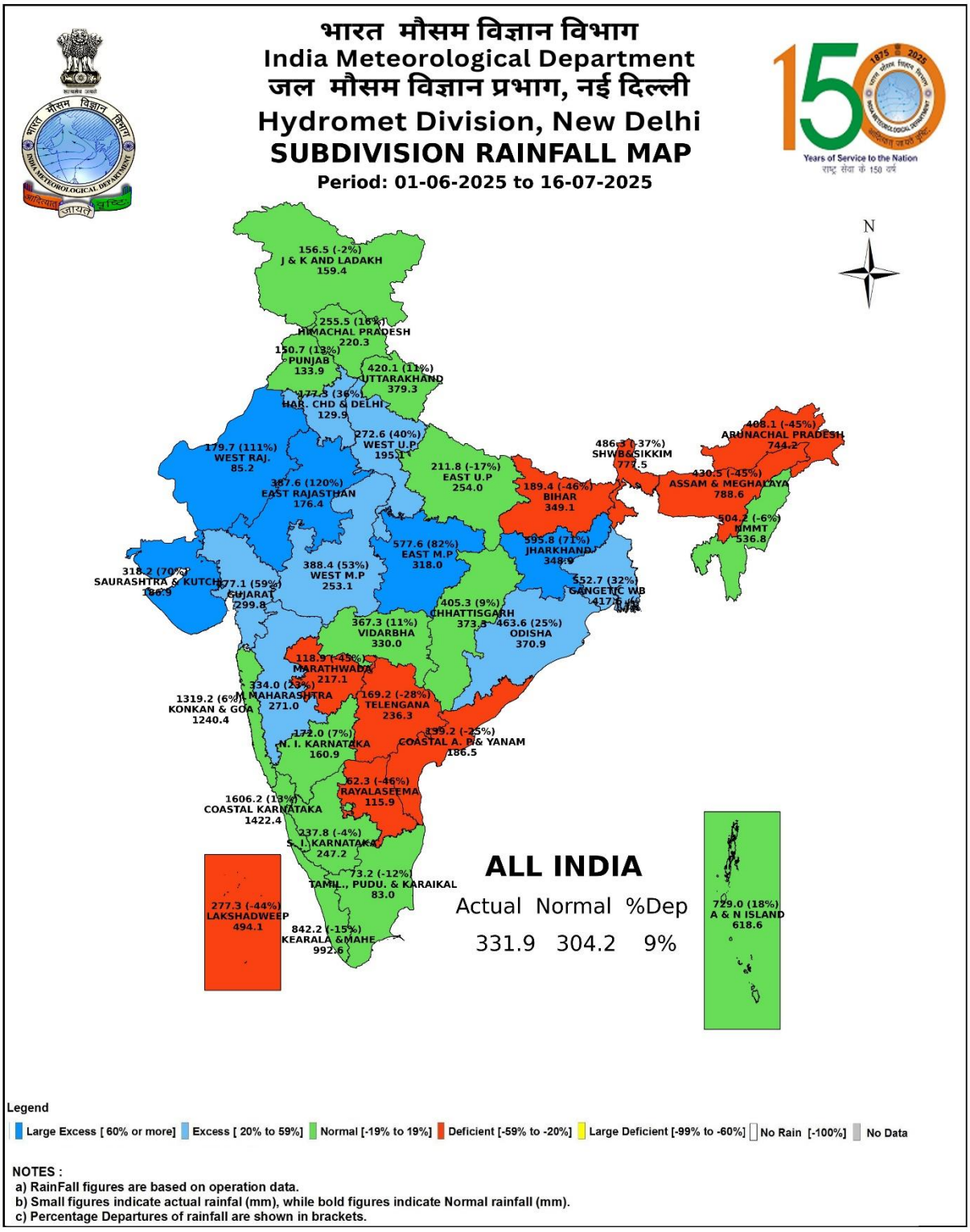
- **Maximum Temperature Departures (as on 09-07-2025):** Markedly above normal (> 5.1°C) at few places over Arunachal Pradesh; at isolated places over Assam & Meghalaya, Odisha, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Tamil Nadu, Puducherry & Karaikal; appreciably above normal (3.1°C to 5.0°C) at few places over Coastal Andhra Pradesh & Yanam; at isolated places over Bihar and Rayalaseema. above normal (1.6°C to 3.0°C) at many places over Kerala & Mahe; at few places over Coastal Karnataka and Lakshadweep; at isolated places over Himachal Pradesh, Konkan & Goa, Madhya Maharashtra and South Interior Karnataka. Near normal or below normal over rest parts of the country. **The highest maximum temperature of 41.0°C is reported at MADURAI (A) (TAMIL NADU).**
- Maximum temperatures are likely to be above normal by 2-3°C over Uttar Pradesh, most parts of east & adjoining central India, northeast India and along the west coast. These are likely to be below normal or near normal over rest parts of the country.

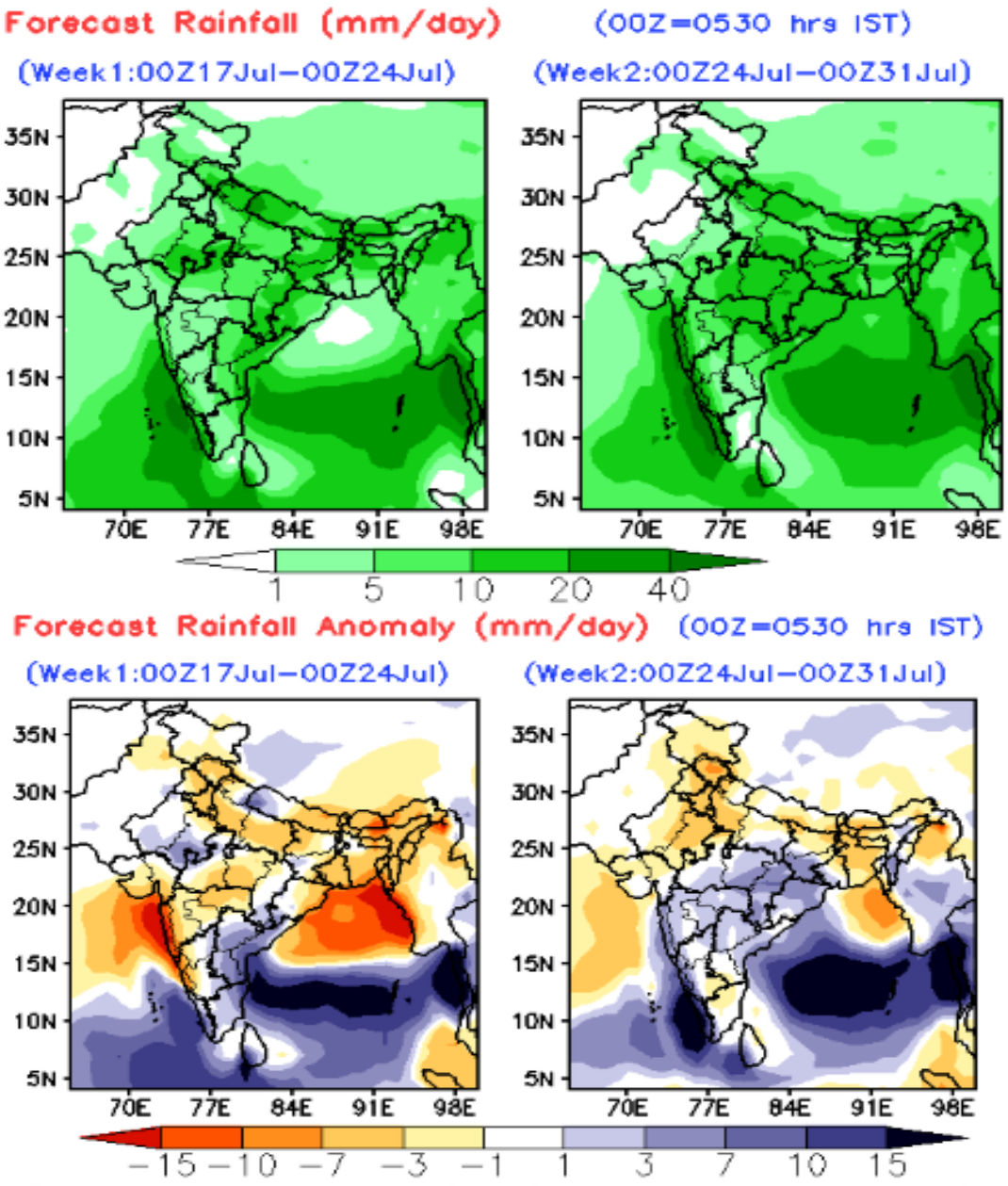
Temperature forecast for Week 2 (24 to 30 July, 2025):

- These are likely to be above normal by 2-3°C over north India including Western Himalayan Region and northeast India. These are likely to be below normal or near normal over rest parts of the country.

Annexure I

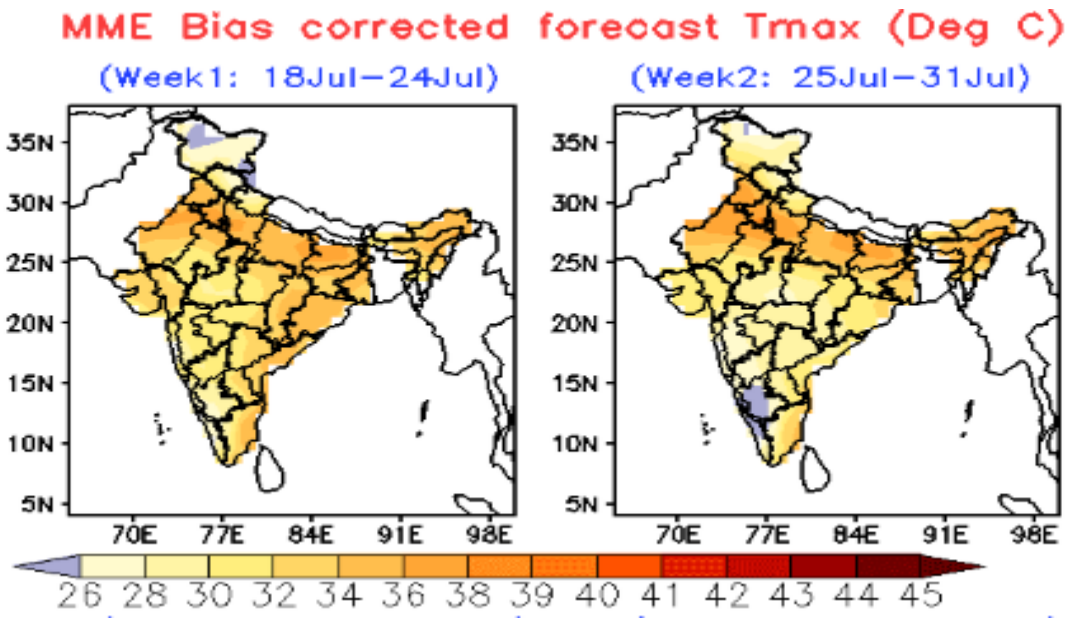

भारत मौसम विज्ञान विभाग
India Meteorological Department
जल मौसम विज्ञान प्रभाग, नई दिल्ली
Hydromet Division, New Delhi
SUBDIVISION RAINFALL MAP
Week: 10-07-2025 to 16-07-2025
150
1875 2025
Years of Service to the Nation
राष्ट्र सेवा के 150 वर्ष
N
45.0 (0%)
J & K AND LADAKH
44.9
44.2 (-26%)
HIMACHAL PRADESH
59.7
46.7 (11%)
PUNJAB
42.2
68.9 (-29%)
UTTARAKHAND
96.5
62.0 (52%)
HAR. CHD & DELHI
40.7
72.0 (196%)
WEST RAJ.
24.3
84.9 (41%)
WEST U.P.
60.1
66.2 (-11%)
EAST U.P
74.8
99.4 (85%)
EAST RAJASTHAN
53.7
58.5 (-32%)
BIHAR
85.9
85.5 (-38%)
SHWB&SIKKIM
137.9
33.2 (-75%)
ARUNACHAL PRADESH
130.6
32.9 (-74%)
ASSAM & MEGHALAYA
126.5
50.6 (-41%)
NMMT
85.3
138.6 (77%)
EAST M.P
78.1
142.2 (92%)
JHARKHAND
74.0
13.5 (-68%)
SAURASHTRA & KUTCH
42.9
32.6 (-44%)
GUJARAT
76.6
77.9 (26%)
WEST M.P
62.0
119.6 (61%)
GANGETIC WB
74.1
61.6 (-31%)
CHHATTISGARH
88.7
65.9 (-13%)
ODISHA
75.9
28.4 (-61%)
VIDARBHA
72.6
8.4 (-76%)
MARATHWADA
35.5
32.4 (-34%)
M.MAHARASHTRA
49.1
187.9 (-18%)
KONKAN & GOA
228.4
9.7 (-80%)
TELENGANA
49.8
13.5 (-44%)
N. I. KARNATAKA
26.1
7.7 (-78%)
COASTAL A. P& YANAM
35.1
3.9 (-83%)
RAYALASEEMA
22.4
305.7 (22%)
COASTAL KARNATAKA
249.8
29.2 (-35%)
S. I. KARNATAKA
45.1
8.5 (-48%)
TAMIL., PUDU. & KARAIKAL
16.3
43.1 (-41%)
LAKSHADWEEP
73.0
98.5 (-35%)
KEARALA &MAHE
152.6
32.4 (-67%)
A & N ISLAND
97.1
ALL INDIA
Actual Normal %Dep
58.1 65.1 -11%
Legend
Large Excess [60% or more]
Excess [20% to 59%]
Normal [-19% to 19%]
Deficient [-59% to -20%]
Large Deficient [-99% to -60%]
No Rain [-100%]
No Data
NOTES :
a) RainFall figures are based on operation data.
b) Small figures indicate actual rainfal (mm), while bold figures indicate Normal rainfall (mm).
c) Percentage Departures of rainfall are shown in brackets.

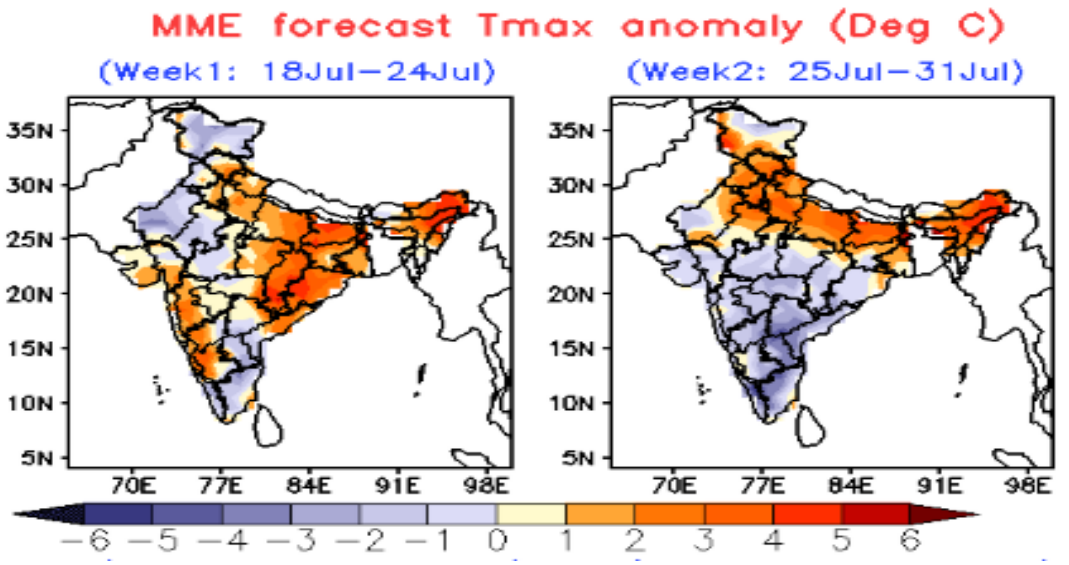

भारत मौसम विज्ञान विभाग
India Meteorological Department
जल मौसम विज्ञान प्रभाग, नई दिल्ली
Hydromet Division, New Delhi
SUBDIVISION RAINFALL MAP
Period: 01-06-2025 to 16-07-2025
150 Years of Service to the Nation
राष्ट्र सेवा के 150 वर्ष
N
156.5 (-2%)
J & K AND LADAKH
159.4
255.5 (16%)
HIMACHAL PRADESH
220.3
150.7 (13%)
PUNJAB
133.9
420.1 (11%)
UTTARAKHAND
379.3
177.5 (36%)
HAR. CHD & DELHI
129.9
179.7 (111%)
WEST RAJ.
85.2
272.6 (40%)
WEST U.P.
195.1
211.8 (-17%)
EAST U.P
254.0
387.6 (120%)
EAST RAJASTHAN
176.4
189.4 (-46%)
BIHAR
349.1
486.3 (-37%)
SHWB&SIKKIM
772.5
408.1 (-45%)
ARUNACHAL PRADESH
744.2
430.5 (-45%)
ASSAM & MEGHALAYA
788.6
504.2 (-6%)
NMMT
536.8
577.6 (82%)
EAST M.P
318.0
595.8 (71%)
JHARKHAND
348.9
318.2 (70%)
SAURASHTRA & KUTCH
186.9
388.4 (53%)
WEST M.P
253.1
177.1 (59%)
GUJARAT
299.8
552.7 (32%)
GANGETIC WB
417.6
405.3 (9%)
CHHATTISGARH
373.8
463.6 (25%)
ODISHA
370.9
367.3 (11%)
VIDARBHA
330.0
118.9 (-45%)
MARATHWADA
217.1
334.0 (23%)
M. MAHARASHTRA
271.0
1319.2 (6%)
KONKAN & GOA
1240.4
169.2 (-28%)
TELENGANA
236.3
172.0 (7%)
N. I. KARNATAKA
160.9
135.2 (-25%)
COASTAL A. P & YANAM
186.5
62.3 (-46%)
RAYALASEEMA
115.9
1606.2 (13%)
COASTAL KARNATAKA
1422.4
237.8 (-4%)
S. I. KARNATAKA
247.2
73.2 (-12%)
TAMIL., PUDU. & KARAIKAL
83.0
277.3 (-44%)
LAKSHADWEEP
494.1
842.2 (-15%)
KEARALA &MAHE
992.6
ALL INDIA
Actual Normal %Dep
331.9 304.2 9%
729.0 (18%)
A & N ISLAND
618.6
Legend
Large Excess [60% or more]
Excess [20% to 59%]
Normal [-19% to 19%]
Deficient [-59% to -20%]
Large Deficient [-99% to -60%]
No Rain [-100%]
No Data
NOTES :
a) RainFall figures are based on operation data.
b) Small figures indicate actual rainfal (mm), while bold figures indicate Normal rainfall (mm).
c) Percentage Departures of rainfall are shown in brackets.



Extended range forecast of weekly distribution of rainfall in mm per day (top panel) and anomalies (lower panel) from IMD MME.

Annexure IV





Extended range forecast of weekly distribution of Maximum Temperature in °C (top panel) and anomalies (lower panel) from IMD Bias Corrected Forecast