Government of India

Earth System Science Organization Ministry

of Earth Sciences

India Meteorological Department

Press Release: Dated: 05th June, 2025

Subject: Current Weather Status and Extended range Forecast for the next two weeks (05th June to 18th June 2025)

1. Salient Observed Features for the week ending 04th June, 2025:

❖ **Further advance of the Southwest Monsoon on 29 th May over some more parts of eastern and northeast India and no further progress thereafter:** The Southwest Monsoon has further advanced into some more parts of Chhattisgarh & Odisha, some more parts of North Bay of Bengal, remaining parts of Northeastern states and some parts of Sub-Himalayan West Bengal and entire Sikkim on 29th May. There was no further progress thereafter.

❖ **Heavy rainfall activities:** Last week's heavy to very heavy rainfall was continued at isolated places over west coast of India and south peninsular India during 29 th – 31 st May and thereafter reduction of rainfall over most parts of the country except east and northeast India. **Fairly widespread to widespread rainfall accompanied with very heavy to extremely heavy rainfall spell over Northeast India mainly during 31st May – 4th June**, which caused severe flooding and series of landslides across the region with urban flooding in the city of Guwahati on 31st May and Agartala on 31st May – 1st June, and over Sub-Himalayan West Bengal & Sikkim during 2nd – 4th June. This extremely heavy rainfall episode adversely impacted the lives and property over this region. This was mainly due to following factors: (a) Last week's Well-Marked Low Pressure Area over Northwest Bay of Bengal off Odisha coast concentrated into a Depression on 29th May and Deep Depression over northwest Bay of Bengal off West Bengal & adjoining Bangladesh coasts on the same day and moved north-northeastwards over the above region till 1st June, (b) there was consistency in convergence of moisture and winds towards the region in the lower levels.

❖ **Pre-monsoon thunderstorm/rainfall accompanied with Squally/Gusty winds continued over Northwest & adjoining Central India mainly due to movement of two active Western Disturbances (WDs; 29-20 May & 29 May – 04 June) across north India**, and moisture and wind convergence at lower level from the Arabian Sea to these areas during the week. First WD caused isolated heavy rainfall over Himachal Pradesh and Madhya Pradesh during first half of the week, while second WD caused isolated heavy rainfall over Rajasthan, Gujarat region and West Madhya Pradesh during second half of the week. **Hailstorm** also occurred at isolated places over Himachal Pradesh on 29th & 30th May & 3rd June, Jammu & Kashmir on 30th May, 1st & 4th June, Uttarakhand on 30th May, 3rd & 4th June, Punjab and Haryana on 1st June in association with these two successive WDs over the region.

❖ **Weekly Average Minimum temperature** was above normal by 1-3ºC over parts of east and northeast India during first half of the week. It was below normal by 1-3ºC over parts of north, northwest and adjoining central India, and nearly normal over remaining parts of the country during the week. **Weekly Average Maximum temperature** was below normal by 3-5ºC over most parts of the country during the week.

❖ **Temperature Scenario:** The lowest minimum temperature of **16.0ºC** had been recorded at **Sikar (East Rajasthan)** on **04th June, 2025** and the highest maximum temperature of **45.3ºC** had been recorded at **Sri Ganganagar (West Rajasthan)** on **29th May, 2025** over the plains of the country during the week.

❖ **Analysis of weekly overall rainfall distribution during the week-ending on 04th June and Pre-monsoon Season's Rainfall Scenario (1st March – 31st May 2025):** The country as a whole, the weekly cumulative All India Rainfall (for 29th May to 04th June 2025) is 106% departure from its long period average (LPA). All India Seasonal cumulative rainfall departure during this year's Pre-monsoon Season Rainfall (01st March to 31st May 2025) is +42%. 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		
	29.05.2025 TO 04.06.2025			01.03.2025 TO 31.05.2025		
	Actual (mm)	Normal (mm)	Departure (%)	Actual (mm)	Normal (mm)	Departure (%)
EAST & NORTHEAST INDIA	128.2	51.5	+149%	378.3	373.1	1%
NORTH WEST INDIA	17.2	8.3	+107%	99.3	114.4	-13%
CENTRAL INDIA	17.8	10.0	+78%	121.8	36.0	+238%
SOUTH PENINSULA	35.9	24.0	+49%	274.8	121.2	+127%
COUNTRY AS A WHOLE	38.7	18.8	+106%	185.8	130.6	+42%

2. Large scale features:

- Currently, neutral El Nino-Southern Oscillation (ENSO) conditions are prevailing over the equatorial Pacific region. The latest MMCFS as well as other climate model forecasts indicate that the neutral ENSO conditions are likely to continue during 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 6 with amplitude more than 1. It is likely to move across phases 7 and 8 during remaining part of the forecast period.

3. Forecast for next two week

Weather systems & associated Precipitation during Week 1 (05 to 11 June, 2025) and Week 2 (12 to 18 June, 2025)

Advance of Southwest Monsoon:

- Southwest Monsoon likely to advance over some more parts of Central & east India during week 2 (12 to 18 June, 2025).

Weather systems & associated Precipitation during Week 1 (05 to 11 June, 2025):

- An upper air cyclonic circulation lies over central Pakistan & adjoining northwest Rajasthan and another over south Haryana in lower tropospheric levels.

- A trough runs from south Chhattisgarh to northeast Bangladesh in lower tropospheric levels.

- An upper air cyclonic circulation over North Bangladesh in lower tropospheric levels.

- A north-south trough runs roughly along Long. 88°E to the north of Lat. 22°N in lower tropospheric levels.

- An upper air cyclonic circulation over North Interior Karnataka and adjoining Marathwada & Telangana in lower tropospheric levels.

- Under the influence of these systems, the following weather is likely:

Northeast India:

- Light/moderate rainfall at most/many places likely to continue over northeast India during next 7 days with isolated heavy rainfall over Arunachal Pradesh, Tripura, Mizoram on 05th; Assam & Meghalaya on 05th, 06th and during 09th-11th June with isolated very heavy falls over

Meghalaya on 05th June.

East & Central India:

- Light/moderate rainfall at many/some places likely to continue over Sub-Himalayan West Bengal & Sikkim during next 7 days.

- Light/moderate rainfall at isolated accompanied with thunderstorm, lightning &gusty winds speed reaching 40-50 Kmph likely over Madhya Pradesh during 05th-07th; Vidarbha, Chhattisgarh during 05th-09th; Bihar, Gangetic West Bengal, Odisha, Jharkhand on 05thJune.

- Isolated heavy rainfall likely over Bihar today.

Northwest India:

- Light/moderate rainfall at some places accompanied with thunderstorm, lightning & gusty winds speed reaching 40-50 Kmph likely over likely over Himachal Pradesh, Uttarakhand; light/moderate rainfall at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab, Haryana Chandigarh, Uttar Pradesh, Rajasthan on 05th June.

South Peninsular India:

- Light/moderate rainfall at many/some places over Kerala & Mahe, Coastal Karnataka during next 7 days.

- Light/moderate rainfall at some/isolated places accompanied with thunderstorm, lightning & gusty winds speed reaching 30-40 Kmph over Coastal Andhra Pradesh, Rayalaseema and Interior Karnataka during 05th-07th June.

- No significant weather likely over rest parts of the country during the week.

Precipitation for week 2 (12 to 18 June, 2025):

- Due to strengthening of westerly winds along the west coast and likely development of off shore trough off West Coast, fairly widespread to widespread rainfall with isolated heavy falls likely over many parts of south Peninsular & adjoining Central India during the week.
- Overall rainfall activity is likely to be above normal over south Peninsular India; normal to above normal over many parts of central India and below normal over northwest, east & northeast India during the week.

Temperature forecast & heat wave warning for Week 1 (05 to 11 June, 2025) and Week 2 (12 to 18 June, 2025)

Temperature forecast & heat wave warning for Week 1 (05 to 11 June, 2025):

- Yesterday, Yesterday, Maximum Temperatures were in the range of 37-41°C in many parts of East Uttar Pradesh, Vidarbha, Chhattisgarh, Rayalaseema, Coastal Andhra Pradesh &

Yanam, Tamil Nadu, Puducherry &Karaikal; in some parts of West Rajasthan, Odisha, Saurashtra & Kutch, Telangana; in isolated parts of West Uttar Pradesh, East Madhya Pradesh, Gujarat Region; in the range 33-37°C in most parts of Punjab, Haryana-Chandigarh-Delhi; in many parts of Jharkhand, Gangetic West Bengal, Marathwada; in some parts of Bihar, Madhya Maharashtra, West Madhya Pradesh; in isolated parts of Konkan & Goa, North Interior Karnataka and they were less than 33°C elsewhere over remaining parts of the country. Yesterday, the highest maximum temperature of 41.1°C is reported at Rajkot (Gujarat).

❖ Yesterday, Maximum Temperatures were appreciably above normal (3.1°C to 5.0°C) at isolated places over Gangetic West Bengal, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry &Karaikal. above normal (1.6°C to 3.0°C) at isolated places over Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram & Tripura, Odisha and East Madhya Pradesh and near normal or below normal over rest parts of the country.

Forecast of temperature:

❖ Gradual rise by 4-6°C in maximum Temperatures likely over Northwest India during next 5 days and no significant change thereafter.

❖ Maximum Temperatures likely to rise by 2-4°C over Central India during next 3 days and no significant change thereafter.

❖ No significant change in maximum Temperatures likely over East India during next 24 hours and gradual rise by 2-4°C thereafter.

❖ No significant change in maximum temperatures likely over rest parts of the country.

Heat Wave, Warm night and Hot & Humid weather warnings:

❖ Heat wave conditions are likely to prevail over West Rajasthan during 08th-11th June.
❖ Hot & humid weather is likely to prevail over Coastal Andhra Pradesh & Yanam on 05th and Tamilnadu Puducherry & Karaikal on 05th & 06thJune.

Temperature forecast & heat wave warning for Week 2 (12 to 18 June, 2025):

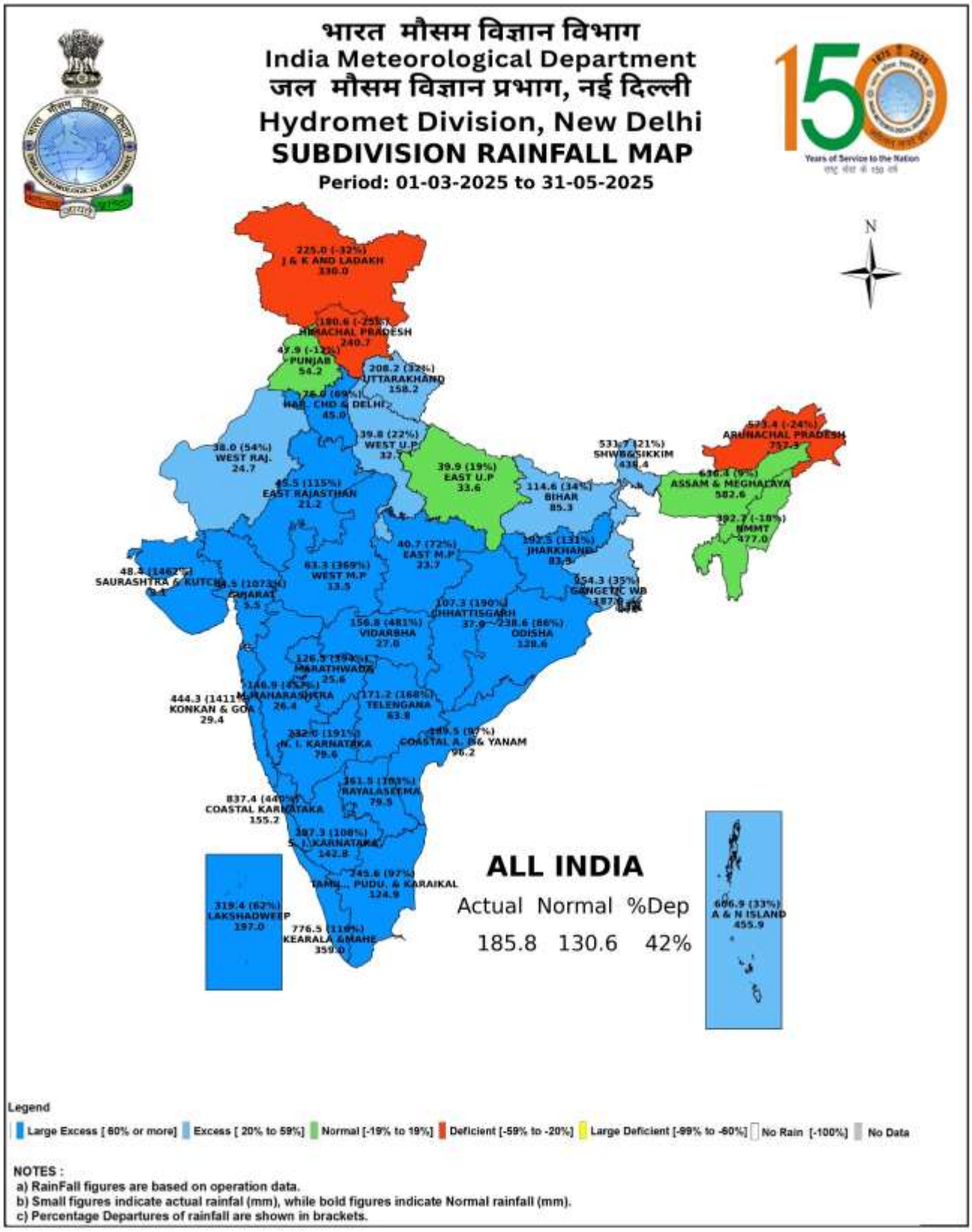
❖ Maximum temperatures are likely to increase over northwest India as compared to week1. These are likely to be above normal by 2-4°C over plains of northwest India and northeastern States; and above normal by 1-3°C over many parts of central India; and near normal or below normal over rest parts of the country during the week.

❖ There is low to moderate probability of heat wave at isolated pockets of Punjab, Haryana, Rajasthan and Uttar Pradesh during some days of the week.

Annexure I


भारत मौसम विज्ञान विभाग
India Meteorological Department
जल मौसम विज्ञान प्रभाग, नई दिल्ली
Hydromet Division, New Delhi
SUBDIVISION RAINFALL MAP
Week: 29-05-2025 to 04-06-2025
N
37.7 (179%) J & K AND LADAKH 13.5
23.1 (83%) HIMACHAL PRADESH 12.6
12.8 (22%) PUNJAB 3.9
17.6 (2%) UTTARAKHAND 17.2
6.3 (-1%) HARYANA, CHD & DELHI 6.2
2.8 (-58%) WEST U.P 5.8
3.9 (-41%) EAST U.P 6.8
14.3 (-13%) BIHAR 16.6
18.2 (133%) WEST RAJ. 5.2
15.4 (170%) EAST RAJASTHAN 5.7
140.7 (186%) SHWB&SIKKIM 75.6
208.4 (171%) ARUNACHAL PRADESH 75.2
322.5 (164%) ASSAM & MEGHALAYA 86.3
264.8 (249%) NMMT 70.7
11.8 (168%) EAST M.P 6.4
28.5 (73%) JHARKHAND 15.5
55.5 (14%) SUBGNETIC WB 31.3
1.8 (-75%) SAURASHTRA & KUTCH
14.3 (210%) WEST M.P 6.8
9.2 (35%) VIDARBHA 6.8
28.0 (143%) CHHATTISGARH 7.4
40.4 (114%) ODISHA 18.9
12.4 (-1%) MARATHWADA 11.3
66.5 (54%) KONKAN & GOA 43.2
15.7 (47%) TELENGANA 10.7
32.7 (-39%) M. I. KARNATAKA 20.9
37.9 (54%) COASTAL A. & YANAM 11.6
34.2 (-19%) RAYALASEEMA 16.4
264.8 (258%) COASTAL KARNATAKA 74.1
28.1 (-3%) S. I. KARNATAKA 29.0
14.4 (5%) TAMIL, PUDU. & KARAIKAL 13.7
108.4 (20%) LAKSHADWEEP 90.4
205.1 (114%) KEARALA &MAHE 95.4
ALL INDIA
Actual Normal %Dep
38.7 18.8 106%
39.5 (-66%) A & N ISLAND 98.1
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.

Annexure II


भारत मौसम विज्ञान विभाग
India Meteorological Department
जल मौसम विज्ञान प्रभाग, नई दिल्ली
Hydromet Division, New Delhi
SUBDIVISION RAINFALL MAP
Period: 01-03-2025 to 31-05-2025
Years of Service to the Nation
N
225.0 (-32%) J & K AND LADAKH 330.0
(180.6 (-25%)) HIMACHAL PRADESH 240.7
47.9 (-12%) PUNJAB 54.2
208.2 (32%) UTTARAKHAND 158.2
76.0 (69%) HAR. CHD & DELHI 45.0
38.0 (54%) WEST RAJ. 24.7
39.8 (22%) WEST U.P 32.7
39.9 (19%) EAST U.P 33.6
45.5 (115%) EAST RAJASTHAN 21.2
114.6 (34%) BIHAR 85.3
531.7 (21%) SHWB&SIKKIM 438.4
525.4 (-24%) ARUNACHAL PRADESH 757.3
636.4 (9%) ASSAM & MEGHALAYA 582.6
392.7 (-18%) NMMT 477.0
40.7 (72%) EAST M.P 23.7
63.3 (369%) WEST M.P 13.5
48.3 (1462%) SAURASHTRA & KUTCH 3.1
5.5 (1073%) GUJARAT 5.5
192.5 (131%) JHARKHAND 83.5
354.3 (35%) GANGETIC WB 187.8
107.3 (190%) CHHATTISGARH 37.9
238.6 (86%) ODISHA 128.6
156.8 (481%) VIDARBHA 27.0
126.9 (394%) MARATHWADA 25.6
146.9 (456%) M.MAHARASHTRA 26.4
444.3 (1411%) KONKAN & GOA 29.4
171.2 (168%) TELENGANA 63.8
332.0 (191%) N. I. KARNATAKA 79.6
249.5 (97%) COASTAL A. P& YANAM 96.2
161.5 (161%) RAYALASEEMA 79.5
837.4 (440%) COASTAL KARNATAKA 155.2
307.3 (108%) S. I. KARNATAKA 142.8
745.6 (97%) TAMIL, PUDU. & KARAIKAL 124.9
319.4 (62%) LAKSHADWEEP 197.0
776.5 (116%) KEARALA &MAHE 359.0
ALL INDIA
Actual Normal %Dep
185.8 130.6 42%
606.9 (33%) A & N ISLAND 455.9
Legend
Large Excess [60% or more]
Excess [20% to 59%]
Normal [-19% to 19%]
Deficient [-59% to -20%]
Large Deficient [-99% to -60%]
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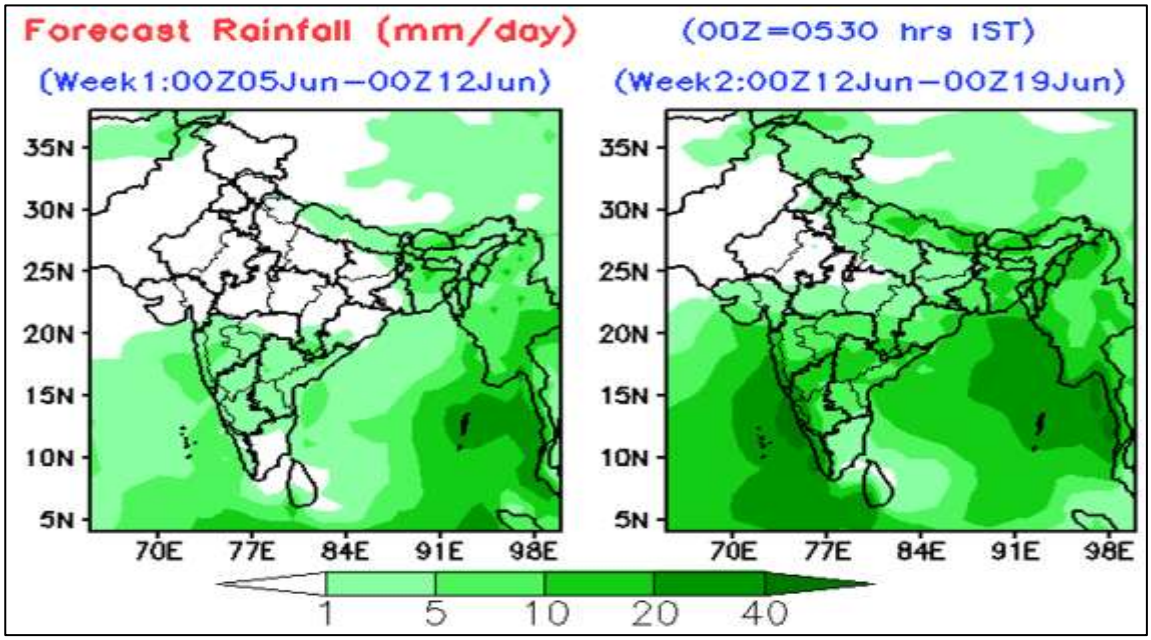
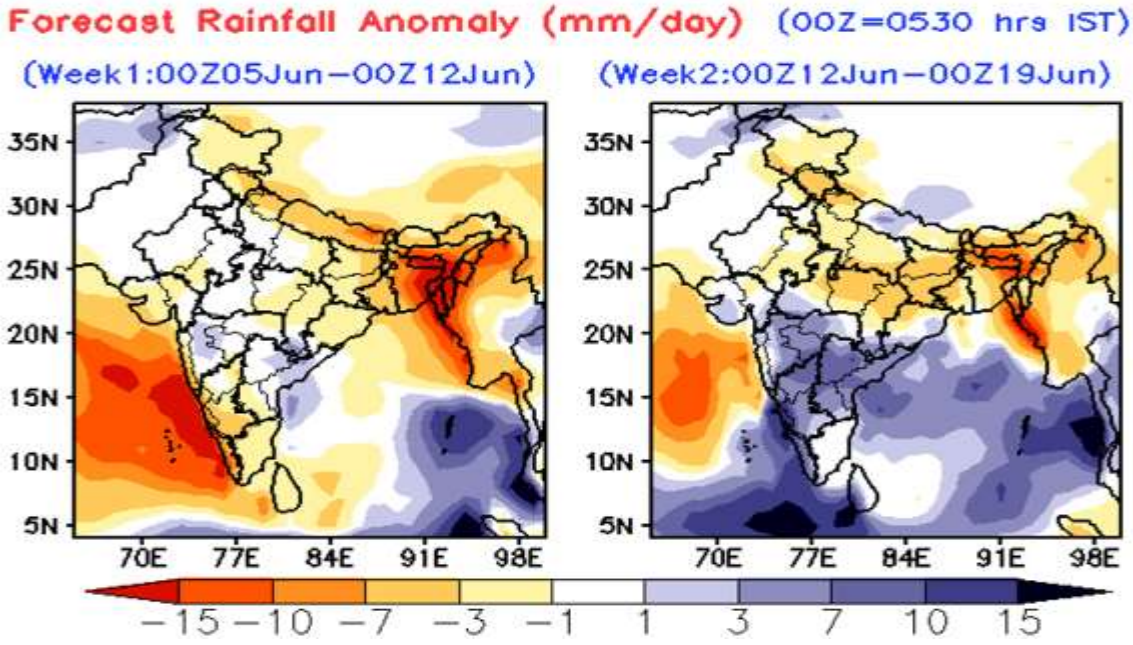
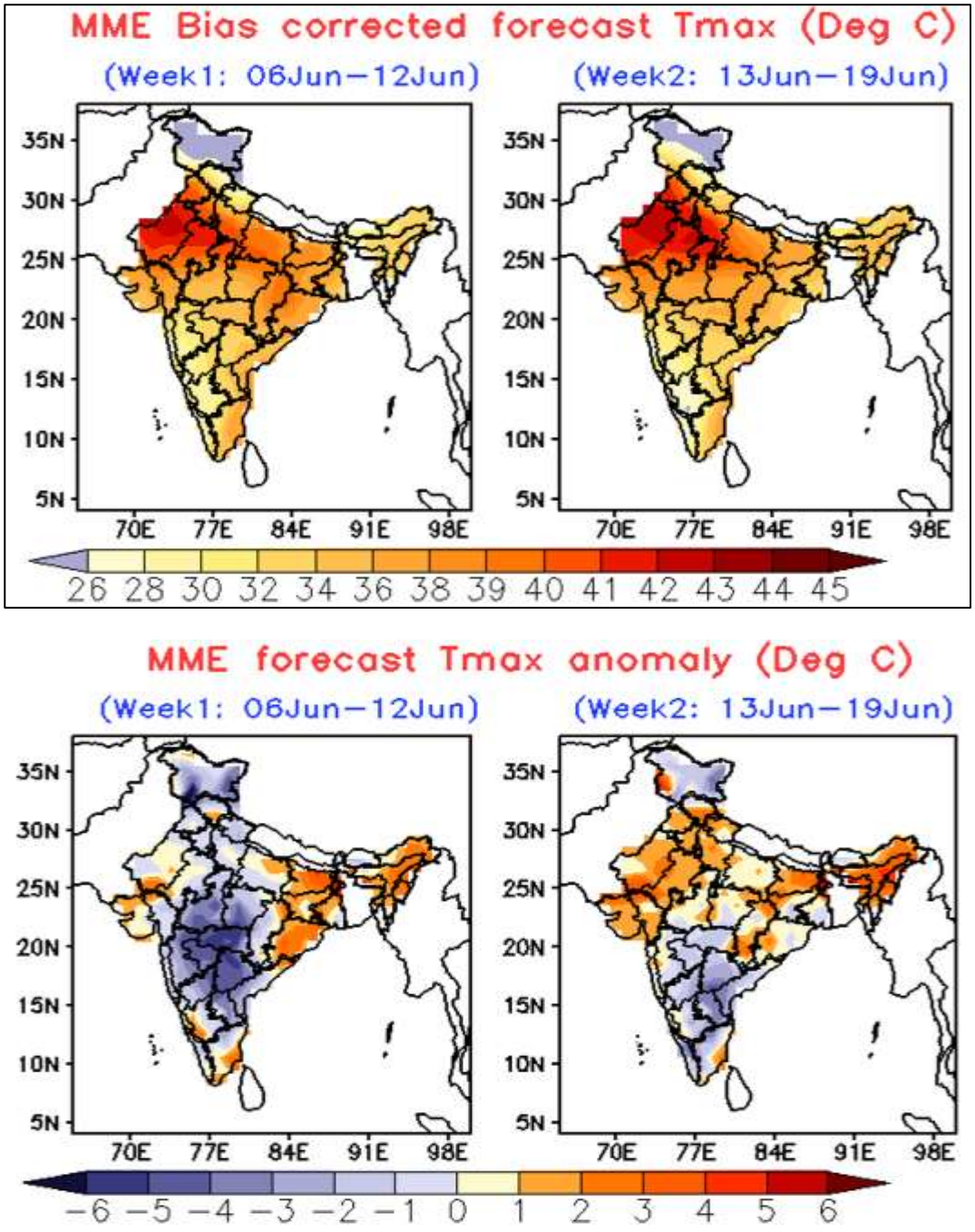




Extended range forecast of weekly distribution of rainfall in mm per day (top panel) and anomalies (lower panel) from IMD MME



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