**Government of India**

**Earth System Science Organization**

**Ministry of Earth Sciences**

**India Meteorological Department**

**Press Release: Dated: 13th February, 2025**

**Subject: Current Weather Status and Extended range Forecast for the next two weeks (13th to 26th February 2025)**

## 1. Salient Observed Features for the week ending 12th February 2025:

- **Two Western Disturbances (WDs; 6-7 Feb & 7-12 Feb)** moved across northern parts of India during the week. First WD caused light rainfall/snowfall over Jammu & Kashmir and Himachal Pradesh on 6th February; Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 7th February. Second WD caused light rainfall/snowfall over Jammu & **Kashmir and Himachal Pradesh on 12th February.**
- **Last week's Dense Fog/Low Cloud continued to persist over the east & northeast India including Odisha during the most days of this week.**
- **Dense to very Dense Fog** was observed in isolated pockets of Meghalaya on 6th & 7th February; East Uttar Pradesh on 10th February; Sub-Himalayan West Bengal & Sikkim on 11th February. **Dense Fog** was observed in isolated pockets of Odisha on 6th & 8th to 11th February, Assam on 7th February, Sub-Himalayan West Bengal & Sikkim on 8th & 9th February, Meghalaya on 9th February, Saurashtra & Kutch and South Interior Karnataka on 11th February and Gangetic West Bengal on 12th February.
- **Cold wave to severe cold wave** conditions prevailed in isolated pockets of Himachal Pradesh on 6th February.
- **Weekly Average Minimum temperature** was above normal by 2-4°C over parts of northwest, west coast and northeast India, and nearly normal over remaining parts of the country during the week. **Weekly Average Maximum temperature** was above normal by 2-4°C over northern, western and central India, below normal by 2-4°C over parts of northeast India, and near normal over south Peninsular India during the week.
- **Temperature Scenario:** The lowest minimum temperature of **2.1°C** had been recorded at **Fatehpur (West Rajasthan)** on **07 February 2025** and the highest maximum temperature of **37.6°C** had been recorded at **Nandigama**

**(Coastal Andhra Pradesh)** on **08 February 2025** over the plains of the country during the week.

- **Analysis of weekly overall rainfall distribution during the week-ending on 05th February and Winter Season's Rainfall Scenario (1st January – 12th February 2025):** The country as a whole, the weekly cumulative All India Rainfall (for 06th to 12th February 2025) in % departure from its long period average (LPA) is -74%. All India Seasonal cumulative rainfall % departure during this year's Winter Season Rainfall (01st January to 12th February 2024) is -70%. 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 | | |
|---|---|---|---|---|---|---|
| | 06.02.2025 TO 12.02.2025 | | | 01.01.2025 TO 12.05.2025 | | |
| | Actual (mm) | Normal (mm) | Departure (%) | Actual (mm) | Normal (mm) | Departure (%) |
| **EAST & NORTHEAST INDIA** | **6.1** | **5.9** | **3%** | **16.0** | **27.2** | **-41%** |
| **NORTHWEST INDIA** | **1.6** | **11.3** | **-86%** | **11.3** | **50.1** | **-77%** |
| **CENTRAL INDIA** | **0.0** | **2.2** | **-100%** | **0.3** | **10.6** | **-97%** |
| **SOUTH PENINSULA** | **0.0** | **2.2** | **-100%** | **7.4** | **10.8** | **-31%** |
| **THE COUNTRY AS A WHOLE** | **1.5** | **5.6** | **-74%** | **7.6** | **25.4** | **-70%** |

## 2. Large scale features:

- Over the equatorial Pacific Ocean, weak La Niña conditions are present and are expected to persist till April 2025. After that, a transition to ENSO-neutral conditions is likely.

- Near-average sea surface temperatures (SSTs) are currently seen across most of the Indian Ocean. Neutral Indian Ocean Dipole (IOD) conditions are observed over the Indian Ocean. The latest MMCFS forecast indicates that the neutral IOD conditions are likely to continue for the next 15 days.

- The Madden Julian Oscillation (MJO) index is currently in Phase 8 with an amplitude > 1. It will remain in Phase 8 throughout Week 1 and the first half of Week 2 with amplitude remaining > 1. It is likely to migrate to Phase 1 during

the second half of Week 2, with amplitude remaining >1. It is not favorable for convective activity over the north Indian oceans and peninsular India.

## 3. Forecast for the next two weeks

### Weather systems & associated Precipitation during Week 1 (13 to 19 February 2025):

- A cyclonic circulation lies over northeast Assam & neighbourhood in lower tropospheric levels.
- A western disturbance is likely to impact the western Himalayan regions and adjoining plains on 17-20 February 2025, with peak intensity on the 18th & 19th of February.
- Under their influence,
  - Scattered to Fairly widespread light to moderate rainfall/snowfall accompanied with thunderstorm & lightning activity likely over Arunachal Pradesh during 13th-15th February with isolated heavy rainfall on Arunachal Pradesh on 13th February.
  - Isolated light rainfall activity likely over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura & Sub-Himalayan West Bengal & Sikkim during 13th-15th February.

### Precipitation for week 2 (20 to 26 February 2025):

- The Western disturbance will continue to impact western Himalayan regions and adjoining plains on 20th February and then it is likely to move eastwards and impact east and northeast India on 21-23 February.
- Under its influence,
  - light/moderate isolated to scattered rainfall/snowfall likely over the Western Himalayan Region during some/many days of the week.
  - Light/moderate isolated to scattered rainfall is likely over northeast India during some days of the week.
- Overall, rainfall is likely to be dry i.e. near normal over all the homogeneous regions of the country during the week.

### Temperature forecast and dense fog warning for Week 2 (13 to 19 February 2025):

### Minimum Temperature:

- No significant change in minimum temperature likely over Western Himalayan Region during next 3 days and gradual rise by 1-2°C during remaining part of the week.
- Gradual fall in minimum temperatures by 1-2°C likely over Northwest India and by 3-4°C likely over East India during next 2 days and gradual rise by 2-3°C thereafter during remaining part of the week.

- Gradual fall in minimum temperatures by 1-3℃ likely over Central India during next 24 hours and gradual rise by 2-4℃ thereafter during remaining part of the week.
- No significant change in minimum temperature likely over West India during next 3 days and gradual rise by 2-3℃ thereafter during remaining part of the week.
- No significant change in minimum temperature over remaining parts of the country during the week.

**Maximum temperature:**

- Gradual fall in maximum temperatures by 1-2℃ likely over Northwest India except Uttar Pradesh and by 2-4℃ likely over Uttar Pradesh during next 2 days and gradual rise by 2-3℃ thereafter.
- No significant change in maximum temperature likely over West, Central and East India during next 2-3 days and gradual rise by 2-3℃ thereafter.

**Dense Fog Warnings:**

- **Dense fog conditions** very likely to continue to prevail during early morning hours in isolated pockets of Sub-Himalayan West Bengal & Sikkim till 15th February.

**Cold Wave Warnings:**

- **Cold Wave conditions** very likely in isolated pockets of Himachal Pradesh on 13th & 14th February.

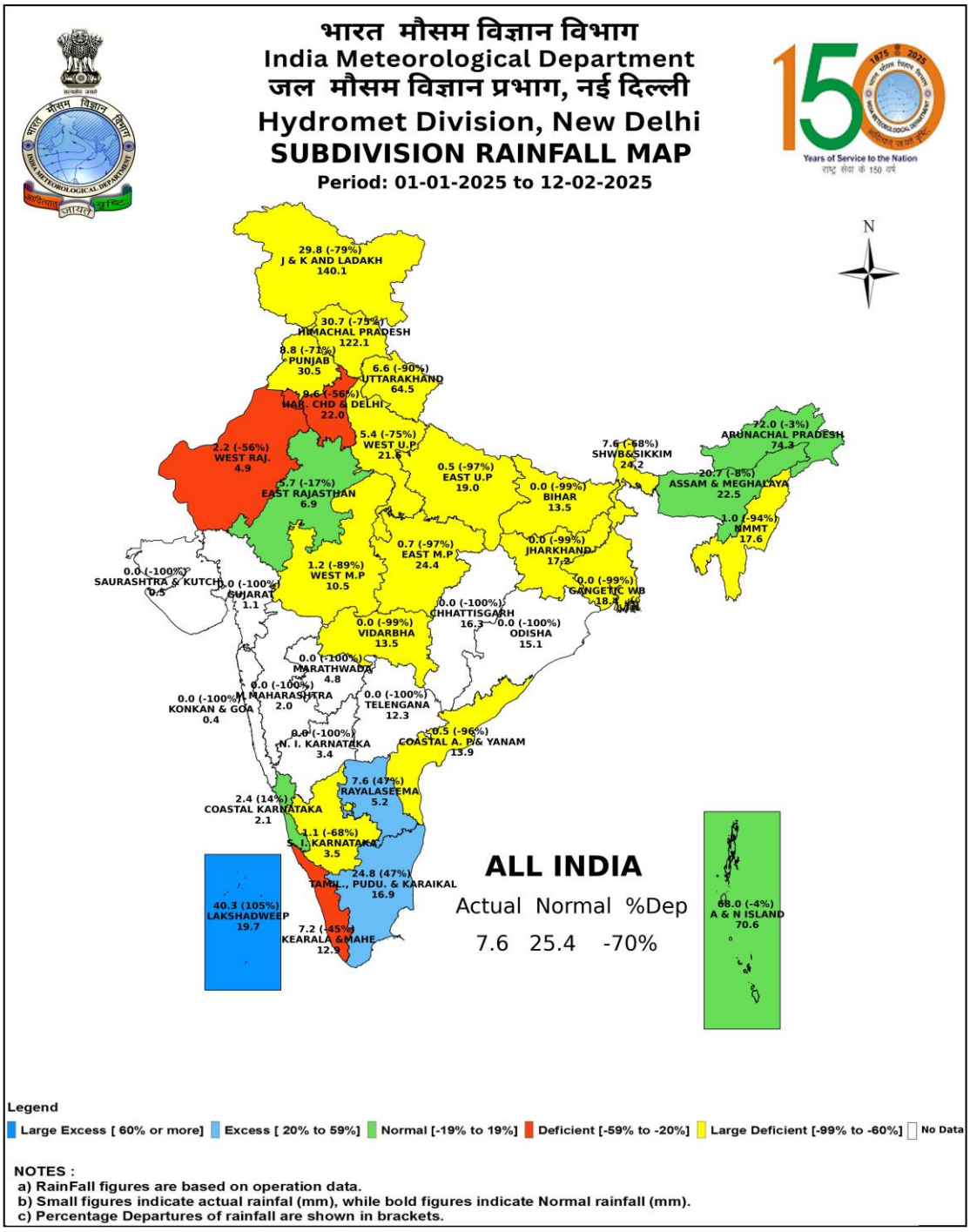
**Temperature forecast and dense fog warning for Week 2 (20 to 26 February 2025):**

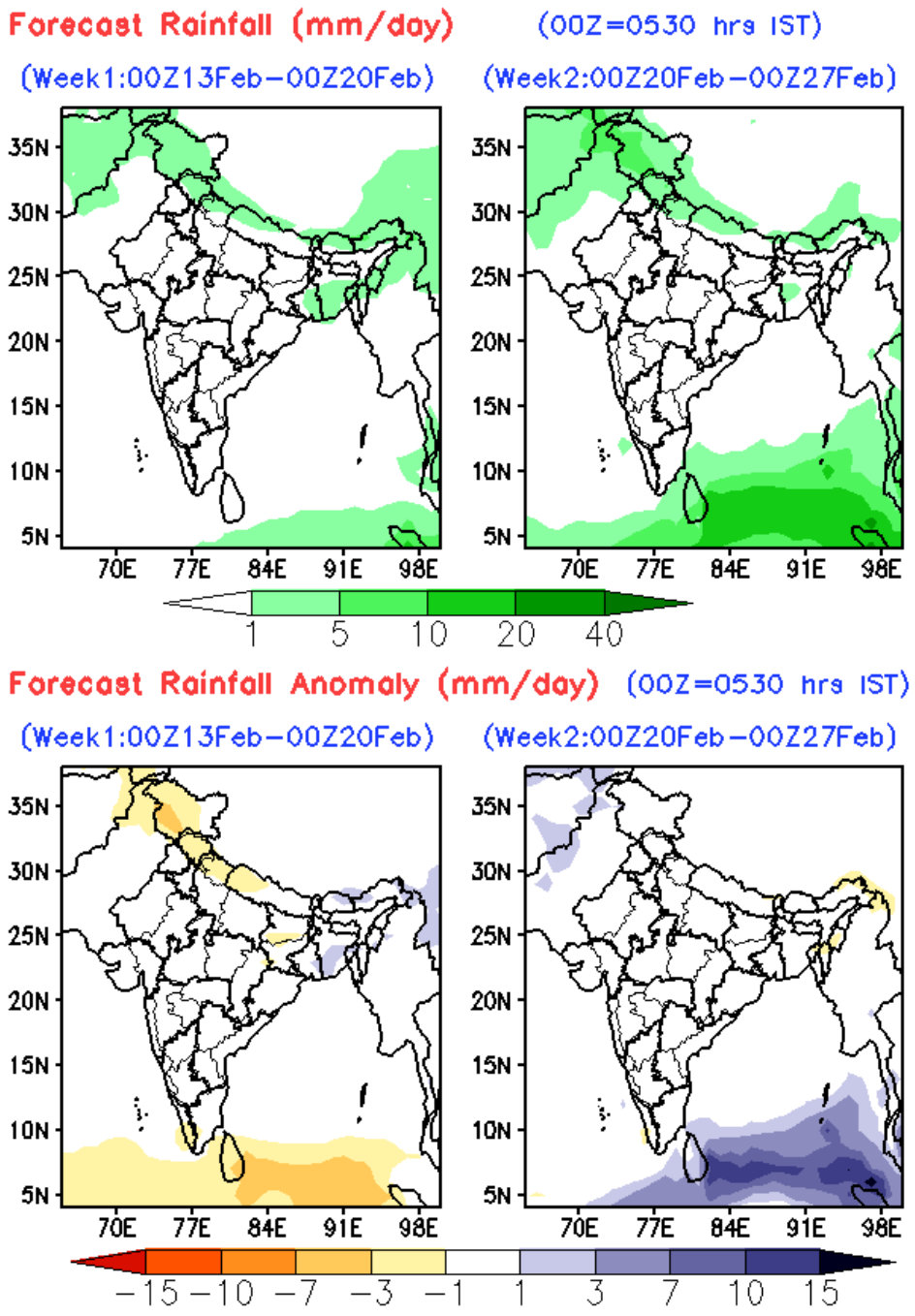
- Minimum temperatures are likely to be between 12-14°C over many parts of plains of northwest India, 14-16°C over central India, 16-18°C over east India, 18-20°C over most parts of peninsular India, and between 20-22°C over coastal regions of south peninsular India during the week.
- Minimum temperatures are likely to be below normal by 2-4°C over many parts of east and adjoining east central & north Peninsular India and 1-2°C above normal over northwest India during the week.
- Maximum temperatures are likely be above normal by 1-2°C over many parts of northwest & east India during the week.
- There is no probability of cold wave conditions over any part of the country (Annexure VI).
- There is less probability of dense fog over any part of the country.

Annexure I

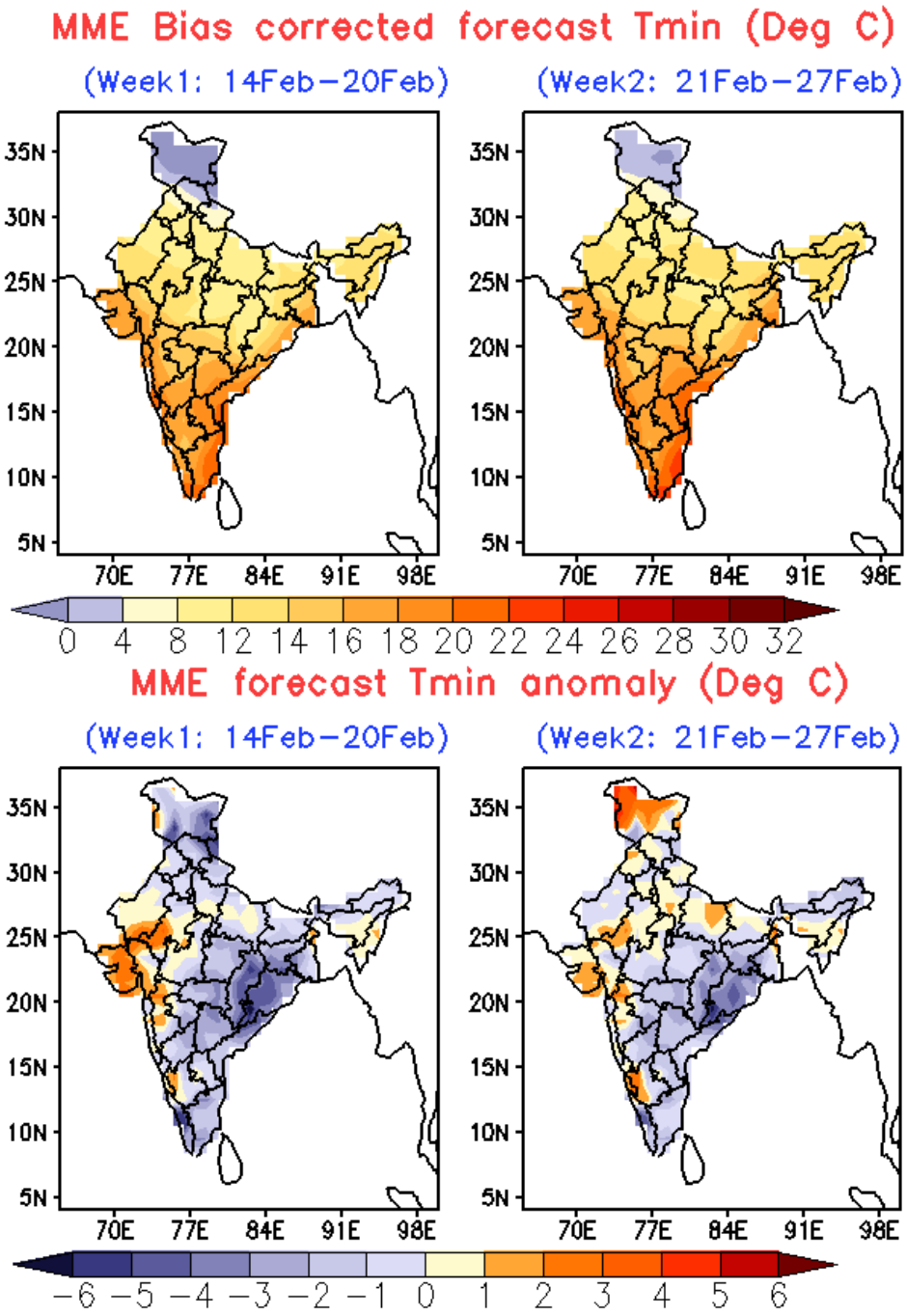

भारत मौसम विज्ञान विभाग
India Meteorological Department
जल मौसम विज्ञान प्रभाग, नई दिल्ली
Hydromet Division, New Delhi
SUBDIVISION RAINFALL MAP
Week: 06-02-2025 to 12-02-2025
Years of Service to the Nation
N
6.6 (-78%)
J & K AND LADAKH
30.0
3.1 (-88%)
HIMACHAL PRADESH
25.4
0.0 (-100%)
PUNJAB
7.6
0.0 (-100%)
UTTARAKHAND
15.3
0.0 (-100%)
HAR. CHD & DELHI
5.6
0.0 (-100%)
WEST U.P.
6.6
0.0 (-100%)
WEST RAJ.
1.4
0.0 (-100%)
EAST RAJASTHAN
1.5
0.0 (-100%)
EAST U.P
5.2
0.0 (-100%)
BIHAR
3.0
4.3 (-13%)
SHWB&SIKKIM
5.0
29.5 (69%)
ARUNACHAL PRADESH
17.5
5.9 (29%)
ASSAM & MEGHALAYA
4.6
0.0 (-99%)
NMMT
3.9
0.0 (-100%)
JHARKHAND
3.5
0.0 (-100%)
EAST M.P
5.6
0.0 (-100%)
WEST M.P
2.8
0.0 (-100%)
SAURASHTRA & KUTCH
0.1
0.0 (-100%)
GUJARAT
0.1
0.0 (-99%)
GANGETIC WB
2.8
0.0 (-100%)
CHHATTISGARH
2.7
0.0 (-100%)
VIDARBHA
2.6
0.0 (-100%)
ODISHA
3.1
0.0 (-100%)
MARATHWADA
0.6
0.0 (-100%)
M.MAHARASHTRA
0.4
0.0 (-100%)
KONKAN & GOA
0.0
0.0 (-100%)
TELENGANA
2.2
0.0 (-100%)
N. I. KARNATAKA
0.6
0.0 (-100%)
COASTAL A. P.& YANAM
3.7
0.0 (-100%)
RAYALASEEMA
1.0
0.0 (-100%)
COASTAL KARNATAKA
0.3
0.0 (-100%)
S. I. KARNATAKA
1.1
0.0 (-100%)
TAMIL., PUDU. & KARAIKAL
3.0
0.0 (-100%)
LAKSHADWEEP
2.7
0.0 (-100%)
KEARALA &MAHE
3.9
0.0 (-100%)
A & N ISLAND
6.8
ALL INDIA
Actual Normal %Dep
1.5 5.6 -74%
Legend
Large Excess [ 60% or more]
Excess [ 20% to 59%]
Normal [-19% to 19%]
Deficient [-59% to -20%]
Large Deficient [-99% to -60%]
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

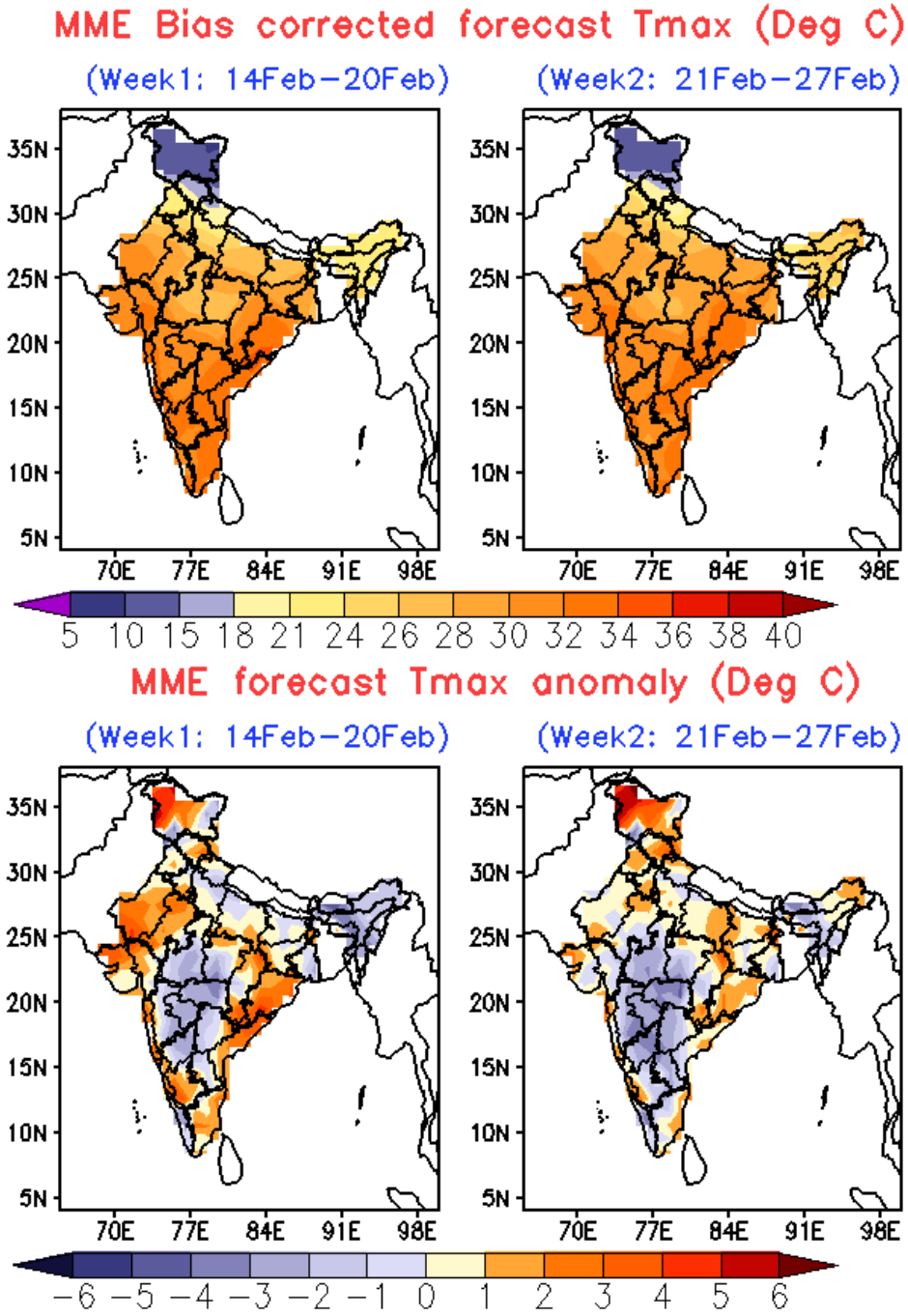

भारत मौसम विज्ञान विभाग
India Meteorological Department
जल मौसम विज्ञान प्रभाग, नई दिल्ली
Hydromet Division, New Delhi
SUBDIVISION RAINFALL MAP
Period: 01-01-2025 to 12-02-2025
Years of Service to the Nation
राष्ट्र सेवा के 150 वर्ष
N
29.8 (-79%)
J & K AND LADAKH
140.1
30.7 (-75%)
HIMACHAL PRADESH
122.1
8.8 (-71%)
PUNJAB
30.5
6.6 (-90%)
UTTARAKHAND
64.5
8.6 (-56%)
HAR. CHD & DELHI
22.0
2.2 (-56%)
WEST RAJ.
4.9
5.4 (-75%)
WEST U.P
21.5
5.7 (-17%)
EAST RAJASTHAN
6.9
0.5 (-97%)
EAST U.P
19.0
0.0 (-99%)
BIHAR
13.5
7.6 (-68%)
SHWB&SIKKIM
24.2
72.0 (-3%)
ARUNACHAL PRADESH
74.3
20.7 (-8%)
ASSAM & MEGHALAYA
22.5
1.0 (-94%)
NMMT
17.6
0.0 (-99%)
JHARKHAND
17.2
0.7 (-97%)
EAST M.P
24.4
1.2 (-89%)
WEST M.P
10.5
0.0 (-100%)
SAURASHTRA & KUTCH
0.5
0.0 (-100%)
GUJARAT
1.1
0.0 (-99%)
GANGETIC WB
18.4
0.0 (-100%)
CHHATTISGARH
16.3
0.0 (-100%)
ODISHA
15.1
0.0 (-99%)
VIDARBHA
13.5
0.0 (-100%)
MARATHWADA
4.8
0.0 (-100%)
M.MAHARASHTRA
2.0
0.0 (-100%)
KONKAN & GOA
0.4
0.0 (-100%)
TELENGANA
12.3
0.0 (-100%)
N. I. KARNATAKA
3.4
0.5 (-96%)
COASTAL A. P& YANAM
13.9
7.6 (47%)
RAYALASEEMA
5.2
2.4 (14%)
COASTAL KARNATAKA
2.1
1.1 (-68%)
S. KARNATAKA
3.5
24.8 (47%)
TAMIL., PUDU. & KARAIKAL
16.9
40.3 (105%)
LAKSHADWEEP
19.7
7.2 (-45%)
KEARALA & MAHE
12.9
ALL INDIA
Actual Normal %Dep
7.6 25.4 -70%
68.0 (-4%)
A & N ISLAND
70.6
Legend
Large Excess [ 60% or more]
Excess [ 20% to 59%]
Normal [-19% to 19%]
Deficient [-59% to -20%]
Large Deficient [-99% to -60%]
No 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




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




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

Annexure VI

## Cold Wave forecast during next 2 weeks

**EXTENDED RANGE OUTLOOK FOR COLDWAVE**

**Week 1: 07.02.2025-13.02.2025**


**Week2: 14.02.2025-20.02.2025**


**PROBABILITY OF COLD WAVE CONFIDENCE**

**LOW (1-33% PROBABILITY)**

**MODERATE (34-67% PROBABILITY)**

**HIGH (68-100% PROBABILITY)**