



**Government of India
Earth System Science Organization
Ministry of Earth Sciences
India Meteorological Department**

Dated: 05 November, 2020

Current Weather Status and Outlook for next two weeks (05 to 18 November, 2020)

Significant Features of current week ended on 04 November, 2020

- A low pressure area formed over Eastcentral Bay of Bengal adjoining Myanmar coast on 31st October and lay centered over Northeast & adjoining Eastcentral Bay of Bengal on 1st November and became less marked on 2nd November. However, its associated cyclonic circulation persisted till 4th November over Bangladesh & neighbourhood. Under the influence of this system, northeastern states experience heavy rainfall activity on 31st October, 2020.
- During the week rainfall activity was below normal over all the homogeneous regions of the country except East & northeast India, where it was above Long Period Average (LPA) by 33%.

Weekly Rainfall Scenario (29 October to 04 November, 2020)

During the week, rainfall was below LPA by 65% over the country as a whole.

Details are given below:

Regions	Actual Rainfall (mm)	Normal Rainfall (mm)	% Departure from LPA
Country as a whole	3.4	9.5	-65%
Northwest India	0.8	2.2	-62%
Central India	0.1	4.3	-97%
South Peninsula	6.4	30.4	-79%
East & northeast India	11.3	8.5	33%

The Meteorological sub-division-wise rainfall for the week is given in **Annexure I**.

Seasonal Rainfall Scenario (01 October to 04 November, 2020)

For the country as a whole, cumulative rainfall during this year's post-monsoon season upto 04 November, 2020 is below LPA by 01%. Details of the rainfall distribution over the four broad geographical regions of India are given below:

Regions	Actual Rainfall (mm)	Normal Rainfall (mm)	% Departure from LPA
Country as a whole	80.7	81.5	-1%
Northwest India	2.2	24.5	-91%
Central India	77.0	56.1	37%
South Peninsula	170.5	172.4	-1%
East & northeast India	128.9	132.7	-3%

Cumulative seasonal rainfall is given in **Annexure II**.

Chief synoptic conditions as on 05 November, 2020

- A cyclonic circulation lies over Gulf of Mannar & adjoining Sri Lanka at lower tropospheric levels.
- A trough of Low at mean sea level from Comorin- Maldives area to Karnataka coast across Lakshadweep area and extends upto 0.9 km above mean sea level.

Large scale features as on 05 November, 2020

- Currently, weak La Niña conditions are prevailing over equatorial Pacific and SSTs are below normal over central & eastern equatorial Pacific. The latest Monsoon Mission Climate Forecasting System (MMCFS) forecast indicates cooling of SSTs most likely to continue and weak La Niña conditions likely to turn into moderate La Niña conditions during coming months and sustain till early part of the next year.
- At present, neutral Indian Ocean Dipole (IOD) conditions are observed over Indian Ocean and the latest MMCFS forecast indicates neutral IOD conditions likely to continue during the coming months.
- The Madden–Julian Oscillation (MJO) at present lies over Phase- 8 with amplitude nearly 1. It is very likely to move into Phase-1 with amplitude nearly 1 towards end of the next one week.

Forecast for next two week

Weather systems & associated Precipitation during Week 1 (05 to 11 November, 2020) and Week 2 (12 to 18 November, 2020)

Rainfall for week 1: (05 to 11 November, 2020)

- Under the influence of cyclonic circulation over Gulf of Mannar & adjoining Sri Lanka in lower tropospheric levels and a trough of Low at mean sea level from Comorin- Maldives area to Karnataka coast, scattered to fairly widespread rainfall very likely

over Tamilnadu, Puducherry & Karaikal and Kerala & Mahe; isolated to scattered rainfall over Coastal & South Interior Karnataka, Lakshadweep, Andhra Pradesh and Telangana during next 4 days.

- **Isolated heavy to very heavy rainfall with moderate thunderstorm & lightning very likely over Tamilnadu today, the 5th November, 2020; isolated heavy rainfall with moderate thunderstorm & lightning also very likely over Kerala today, the 5th November, 2020 and over Tamilnadu during 06th-8th November, 2020.**
- **Rainfall activity very likely to increase over Adman & Nicobar Islands from 8th November, 2020 with possibility of isolated Heavy falls over Adman Islands on 8th & 9th November, 2020 (Annexure III).**
- **Cumulatively, below normal rainfall likely over south Peninsula, East & northeast India and Western Himalayan Region; Dry weather very likely over remaining parts of the country (Annexure IV).**

Rainfall for week 2: (12 to 18 November, 2020)

- **Slight increase in rainfall activity likely over extreme south Peninsular India. However rainfall activity likely to be below normal over remaining parts of south Peninsula and over East & northeast India; and near normal over Western Himalayan Region. Dry weather very likely over remaining parts of the country (Annexure IV).**

Minimum Temperature for week 1 & 2: (05 to 18 November, 2020)

- **Minimum temperatures are very likely to bellow 12°C over most parts of northwest and some parts of adjoining central India during next 2 weeks.**
- **However, these are very likely to be below normal by 2 to 4°C over most parts of the country except Jammu & Kashmir, where these are very likely to be near normal or above normal during next 2 weeks (Annexure V).**

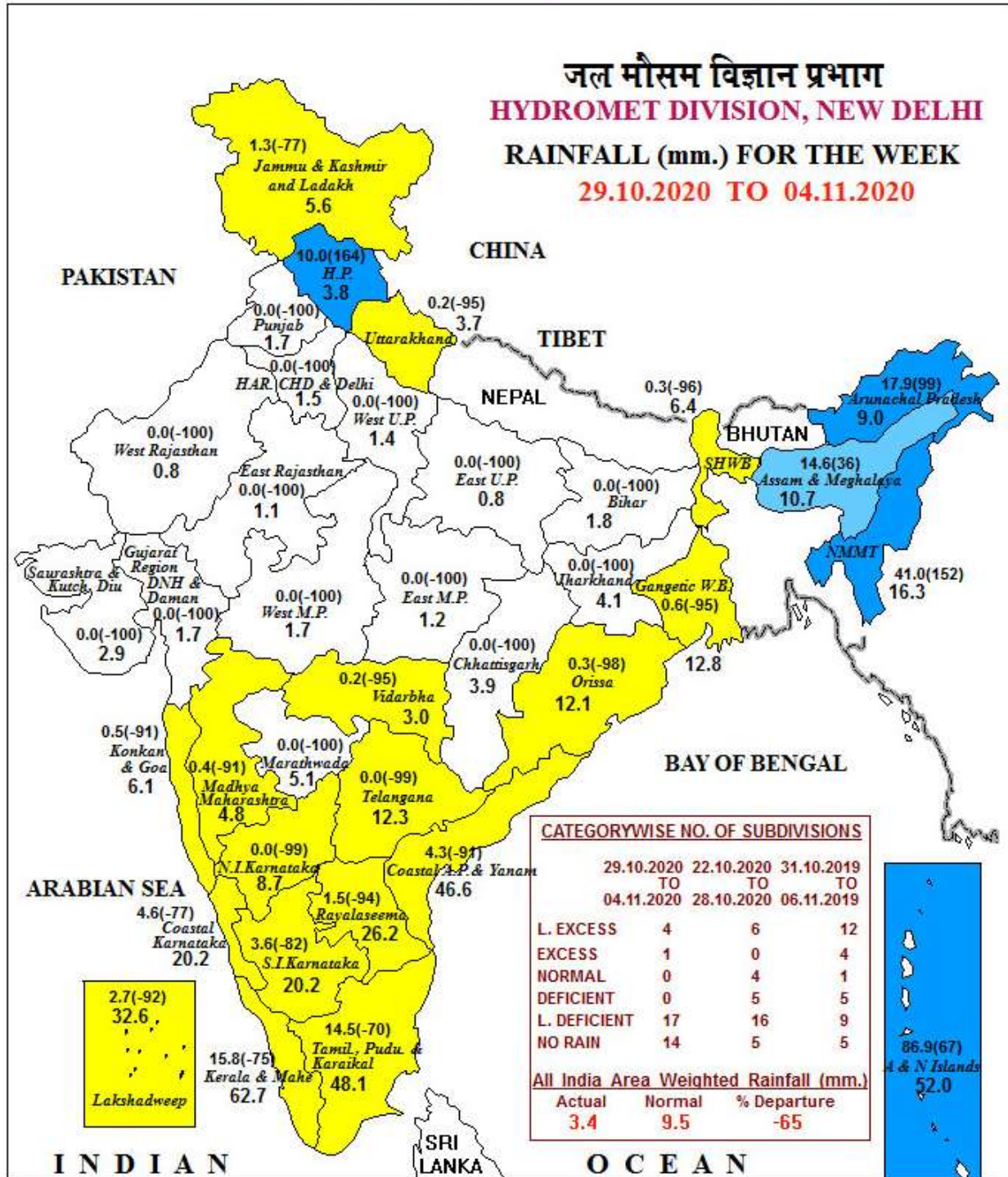
Cyclogenesis:

- **No Cyclogenesis (formation of Depression and above) likely over the north Indian Ocean during next 2 weeks**
- **A Low Pressure area could form over central Bay of Bengal in an amplified easterly wave trough during the middle part of week-2**

Next weekly update will be issued on next Thursday i.e. 12 November, 2020

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INDIA METEOROLOGICAL DEPARTMENT



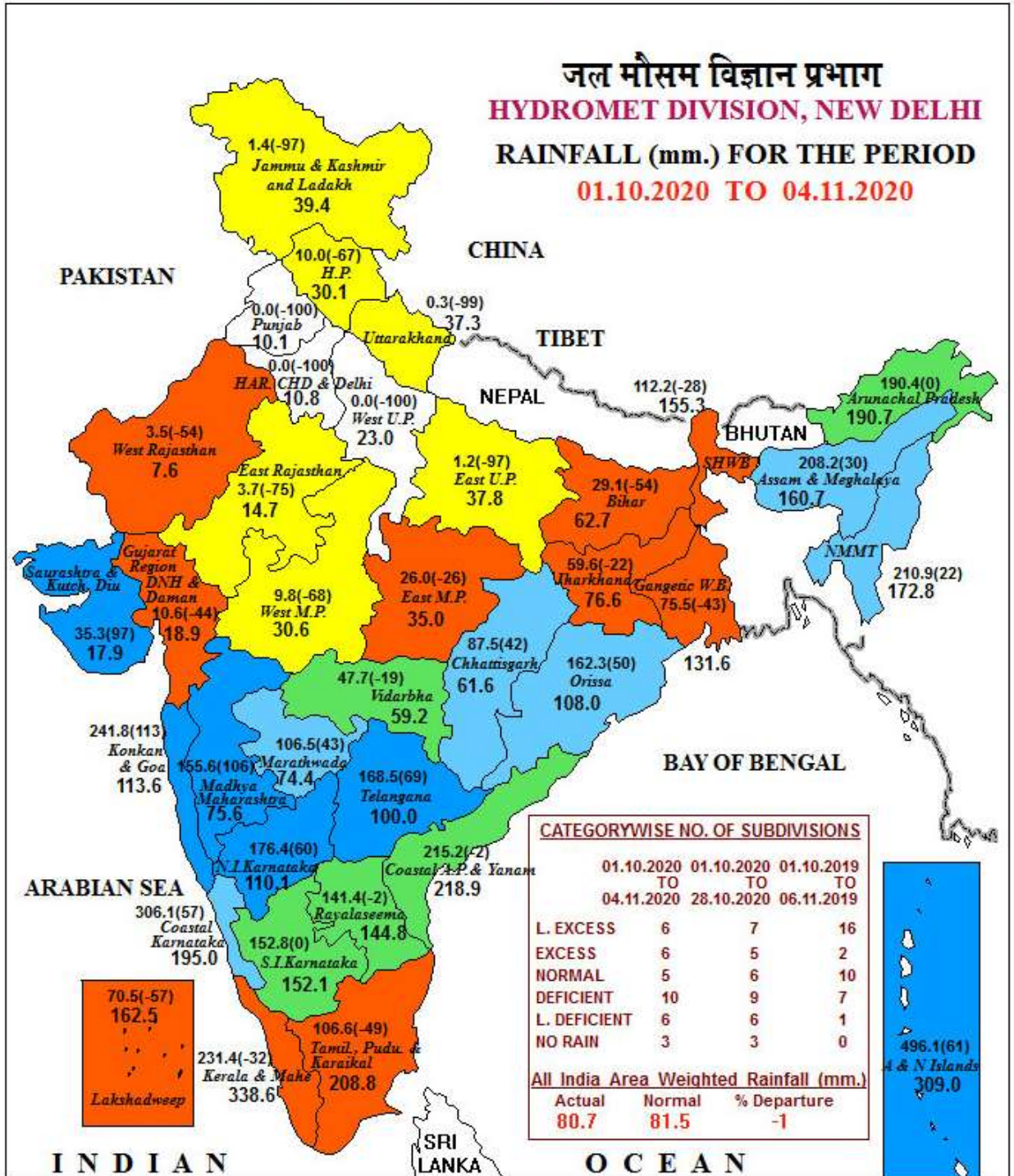
LEGEND: ■ L. EXCESS (+60% OR MORE) ■ EXCESS (+20% TO +59%) ■ NORMAL (+19% TO -19%)
■ DEFICIENT (-20% TO -59%) ■ L. DEFICIENT (-60% TO -99%) ■ NO RAIN (-100%) ■ NO DATA

NOTES:

[a] Rainfall figures are based on operational data.

[b] Small figures indicate actual rainfall (mm.), while bold figures indicate Normal rainfall (mm.)
Percentage Departures of Rainfall are shown in Brackets.

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Annexure III

METEOROLOGICAL SUB-DIVISIONWISE WEEKLY RAINFALL FORECAST & Wx. WARNINGS-2020

Sr. No	MET.SUB-DIVISIONS	05 NOV	06 NOV	07 NOV	08 NOV	09 NOV	10 NOV	11 NOV
1	ANDAMAN & NICO.ISLANDS	ISOL	ISOL	ISOL	SCT [*]	SCT [*]	SCT [*]	ISOL
2	ARUNACHAL PRADESH	ISOL ^{TS}	ISOL	DRY	DRY	DRY	DRY	DRY
3	ASSAM & MEGHALAYA	ISOL ^{TS}	ISOL	DRY	DRY	DRY	DRY	DRY
4	NAGA.MANI.MIZO.& TRIPURA	ISOL ^{TS}	ISOL	DRY	DRY	DRY	DRY	DRY
5	SUB-HIM.W. BENG. & SIKKIM	DRY	DRY	DRY	DRY	DRY	DRY	DRY
6	GANGETIC WEST BENGAL	DRY	DRY	DRY	DRY	DRY	DRY	DRY
7	ODISHA	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
8	JHARKHAND	DRY	DRY	DRY	DRY	DRY	DRY	DRY
9	BIHAR	DRY	DRY	DRY	DRY	DRY	DRY	DRY
10	EAST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
11	WEST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
12	UTTARAKHAND	DRY	DRY	DRY	DRY	DRY	DRY	DRY
13	HARYANA CHD. & DELHI	DRY	DRY	DRY	DRY	DRY	DRY	DRY
14	PUNJAB	DRY	DRY	DRY	DRY	DRY	DRY	DRY
15	HIMACHAL PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
16	JAMMU & K. AND LADAKH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
17	WEST RAJASTSAN	DRY	DRY	DRY	DRY	DRY	DRY	DRY
18	EAST RAJASTSAN	DRY	DRY	DRY	DRY	DRY	DRY	DRY
19	WEST MADHYA PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
20	EAST MADHYA PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
21	GUJARAT REGION D.D. & N.H.	DRY	DRY	DRY	DRY	DRY	DRY	DRY
22	SAURASTRA KUTCH & DIU	DRY	DRY	DRY	DRY	DRY	DRY	DRY
23	KONKAN & GOA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
24	MADHYA MAHARASHTRA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
25	MARATHAWADA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
26	VIDARBHA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
27	CHHATTISGARH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
28	COASTAL A. PR. & YANAM	ISOL ^{TS}	ISOL	ISOL	DRY	DRY	DRY	DRY
29	TELANGANA	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
30	RAYALASEEMA	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
31	TAMIL. PUDU. & KARAIKAL	FWS ^{**TS}	FWS ^{*TS}	FWS ^{*TS}	SCT ^{*TS}	ISOL	ISOL	ISOL
32	COASTAL KARNATAKA	SCT ^{TS}	ISOL	ISOL	ISOL	DRY	DRY	DRY
33	NORTH INT.KARNATAKA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
34	SOUTH INT.KARNATAKA	SCT ^{TS}	ISOL	ISOL	ISOL	DRY	DRY	DRY
35	KERALA & MAHE	FWS ^{*TS}	SCT ^{TS}	SCT ^{TS}	SCT ^{TS}	ISOL	ISOL	ISOL
36	LAKSHADWEEP	SCT ^{TS}	SCT	SCT	SCT	SCT	SCT	SCT

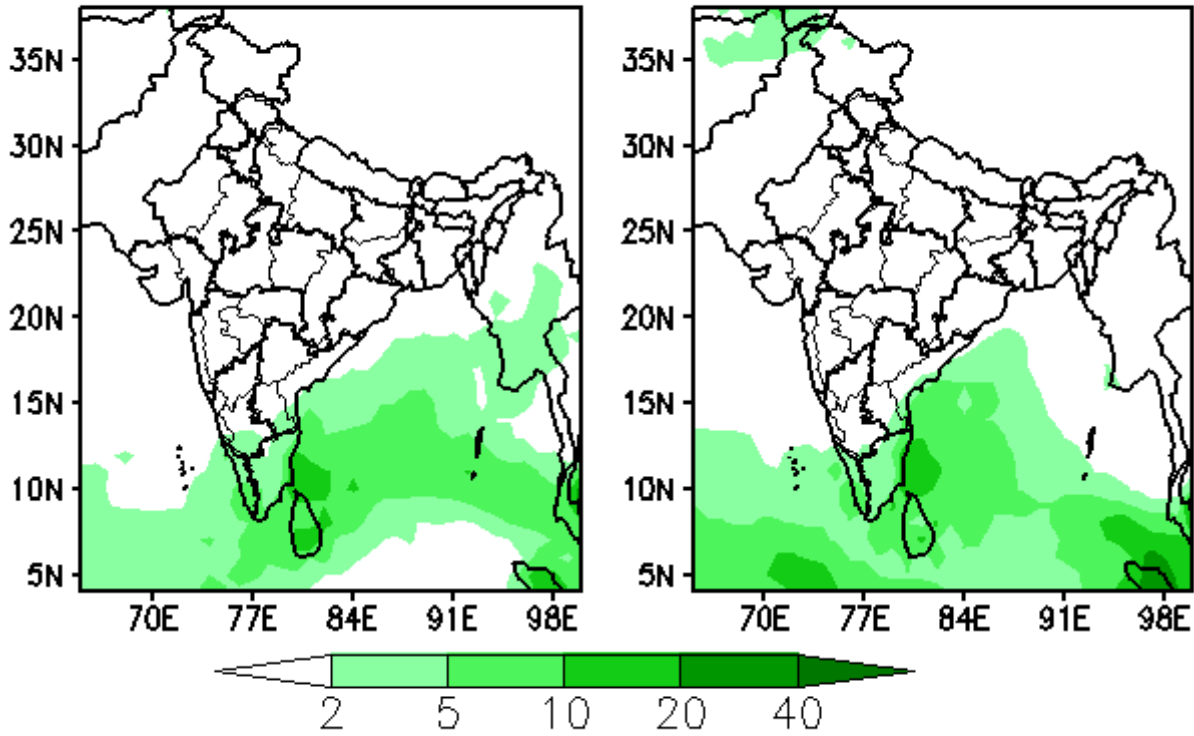
LEGENDS:

WS	WIDE SPREAD / MOST PLACES (76-100%)	FWS	FAIRLY WIDE SPREAD / MANY PLACES (51% to 75%)
SCT	SCATTERED / FEW PLACES (26% to 50%)	ISOL	ISOLATED (up to 25%)
			D/DRY
			NIL RAINFALL
[*] Heavy Rainfall (64.5-115.5 mm)	^{**} Heavy to Very Heavy Rainfall (115.6-204.4 mm)	^{***} Extremely Heavy Rainfall (204.5 mm or more)	
[⊠] FOG	[*] SNOWFALL	[#] HAILSTORM	[⬇] COLD WAVE (-4.5°C to -6.4°C)
[⬇] SEVERE COLD WAVE (< -6.4)	[⬆] TSUNDERSTORM WITS SQUALL/GUSTY WIND	^{DS/TS} DUST/THUNDERSTORM	[⬆] HEAT WAVE (+4.5°C to +6.4°C)
			[⬆] SEVERE HEAT WAVE (> +6.4)

Forecast Rainfall (mm/day)

(Week1: 06Nov–12Nov)

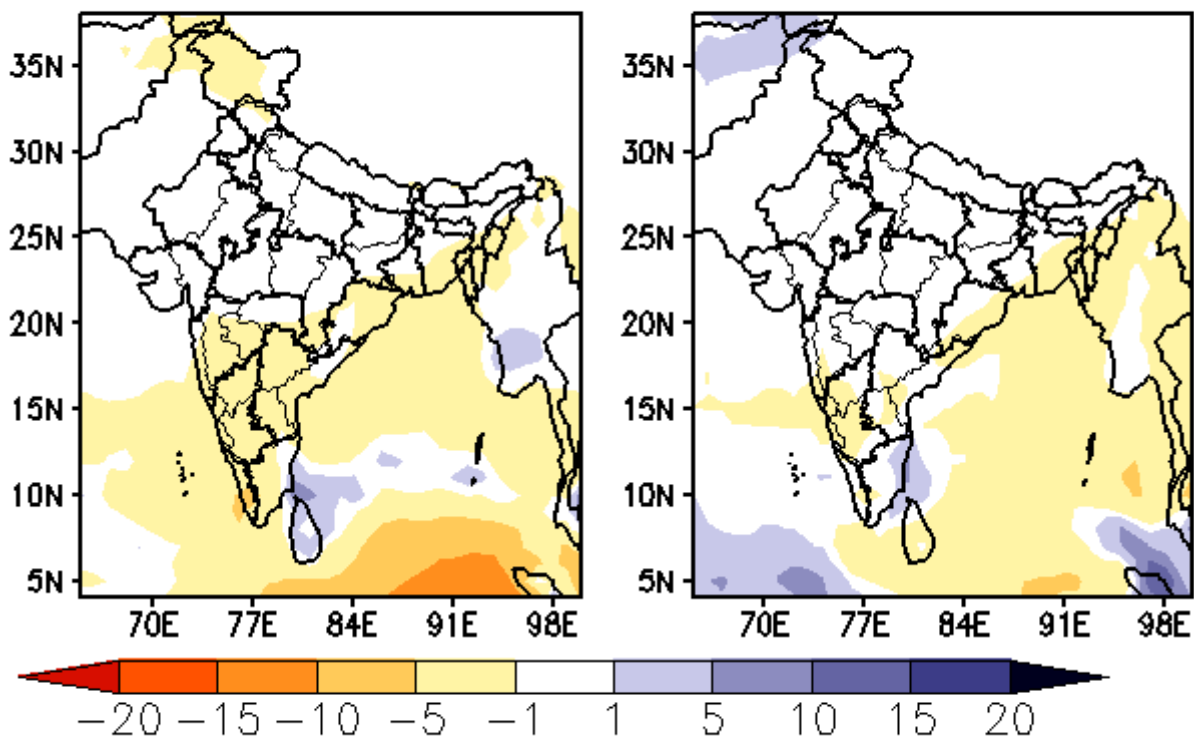
(Week2: 13Nov–19Nov)



Forecast Rainfall Anomaly (mm/day)

(Week1: 06Nov–12Nov)

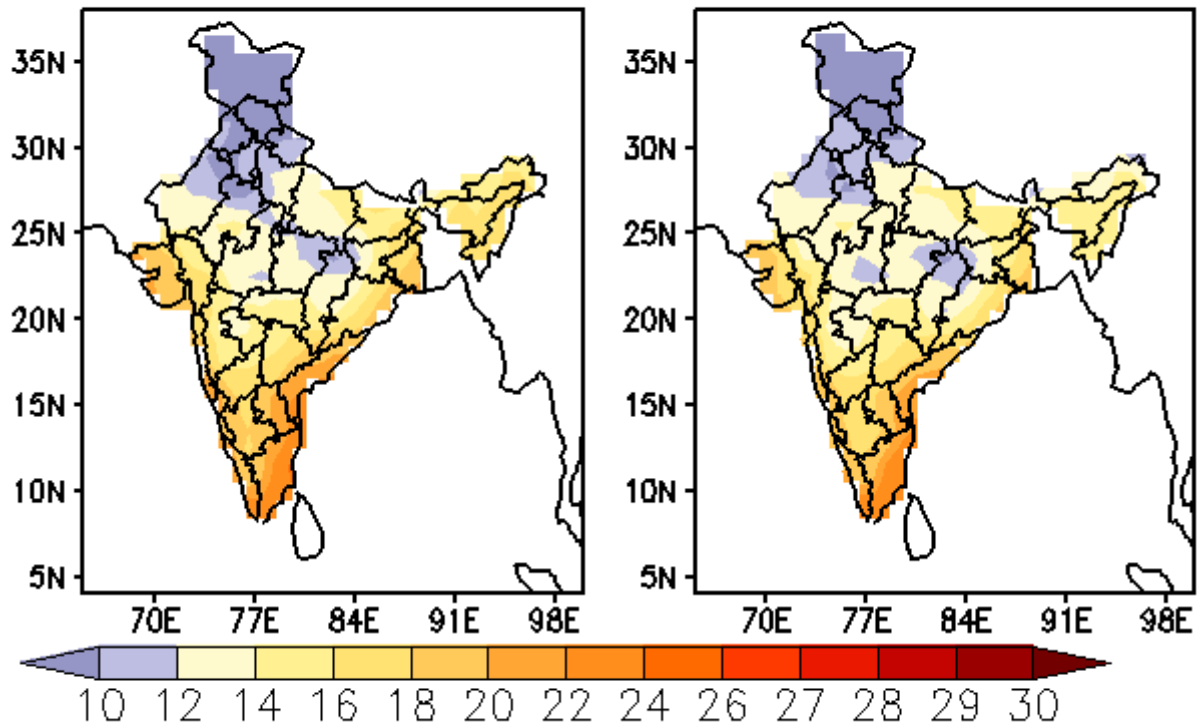
(Week2: 13Nov–19Nov)



MME Bias corrected forecast Tmin (Deg)

(Week1: 06Nov-12Nov)

(Week2: 13Nov-19Nov)



MME forecast Tmin anomaly (Deg C)

(Week1: 06Nov-12Nov)

(Week2: 13Nov-19Nov)

