



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

Dated: 1 November, 2018

**Current Weather Status and Outlook for next two weeks (1 to 14 November, 2018)**

**Significant Features**

- **Northeast Monsoon rains have commenced over coastal Tamilnadu & Puducherry, south Interior Tamilnadu, adjoining areas of south coastal Andhra Pradesh and south Kerala today, the 1st November 2018.**
- **Conditions are favourable for further commencement of Northeast Monsoon rains over rest Tamilnadu & Kerala, South Interior Karnataka and Rayalaseema during next 24 hours.**
- Heavy rainfall occurred at isolated places over Tamilnadu on two days and over Nagaland, Manipur, Mizoram & Tripura on one day during the week.

**Weekly Rainfall Scenario (25 to 31 October, 2018)**

During the week, rainfall was below Long Period Average (LPA) by 89% over the country as a whole. Details are given below:

<b>Regions</b>	<b>Actual Rainfall (mm)</b>	<b>Normal Rainfall (mm)</b>	<b>% Departure from LPA</b>
<b>Country as a whole</b>	<b>1.2</b>	<b>10.7</b>	<b>-89%</b>
<b>Northwest India</b>	<b>0.1</b>	<b>2.3</b>	<b>-98%</b>
<b>Central India</b>	<b>0.3</b>	<b>5.7</b>	<b>-94%</b>
<b>South Peninsula</b>	<b>2.2</b>	<b>29.8</b>	<b>-93%</b>
<b>East &amp; northeast India</b>	<b>4.2</b>	<b>13.4</b>	<b>-69%</b>

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

**Post- monsoon Seasonal Rainfall Scenario (01 to 31 October, 2018)**

For the country as a whole, cumulative rainfall during post- monsoon 2018 upto 31 October, 2018 was below LPA by 56% over the country as a whole. Details of the rainfall distribution over the four broad homogeneous regions of India are given below:

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Regions	Actual Rainfall (mm)	Normal Rainfall (mm)	% Departure from LPA
Country as a whole	35.6	80.9	-56%
Northwest India	6.9	30.6	-77%
Central India	22.1	58.4	-62%
South Peninsula	92.3	156.0	-41%
East & northeast India	49.2	131.3	-63%

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

### Chief synoptic conditions as on 01 November, 2018

- A trough of low at mean sea level lies over southwest Bay of Bengal and adjoining Sri Lanka at lower levels. Another trough runs from this system to South Interior Karnataka across interior Tamilnadu at 0.9 km above mean sea level.
- A Western Disturbance as an upper air cyclonic circulation lies over Afghanistan &
- A cyclonic circulation lies over south Tamilnadu & neighbourhood between 1.5 and 2.1 km above mean sea level.
- A cyclonic circulation lies over southeast Arabian sea & adjoining coastal Karnataka between 3.1 and 4.5 km above mean sea level.

### Large scale features as on 01 November, 2018

- Currently, El Nino Southern Oscillation (ENSO) neutral conditions are prevailing over equatorial Pacific Ocean. El Niño is likely to develop in the next couple of months.
- Currently, positive IOD conditions (+.60°C) are prevailing over equatorial Indian Ocean. Neutral IOD conditions are likely to prevail during next 2 weeks.
- Madden Julian Oscillation (MJO) index is in Phase-1 with high amplitude (more than 1), it is likely to be in same phase with high amplitude during next one week.

### Forecast for next two week

#### Weather systems & associated Precipitation during Week 1(01 to 07 November, 2018) and Week 2 (08 to 14 November, 2018)

- Fairly widespread to widespread rainfall with isolated heavy rainfall is very likely to occur over Tamilnadu, Kerala and South Interior Karnataka during first half of the 1<sup>st</sup> week and decrease in intensity thereafter during second half.
- Isolated to scattered rainfall activity is very likely to occur over rest parts of south Peninsular India during 1<sup>st</sup> week.

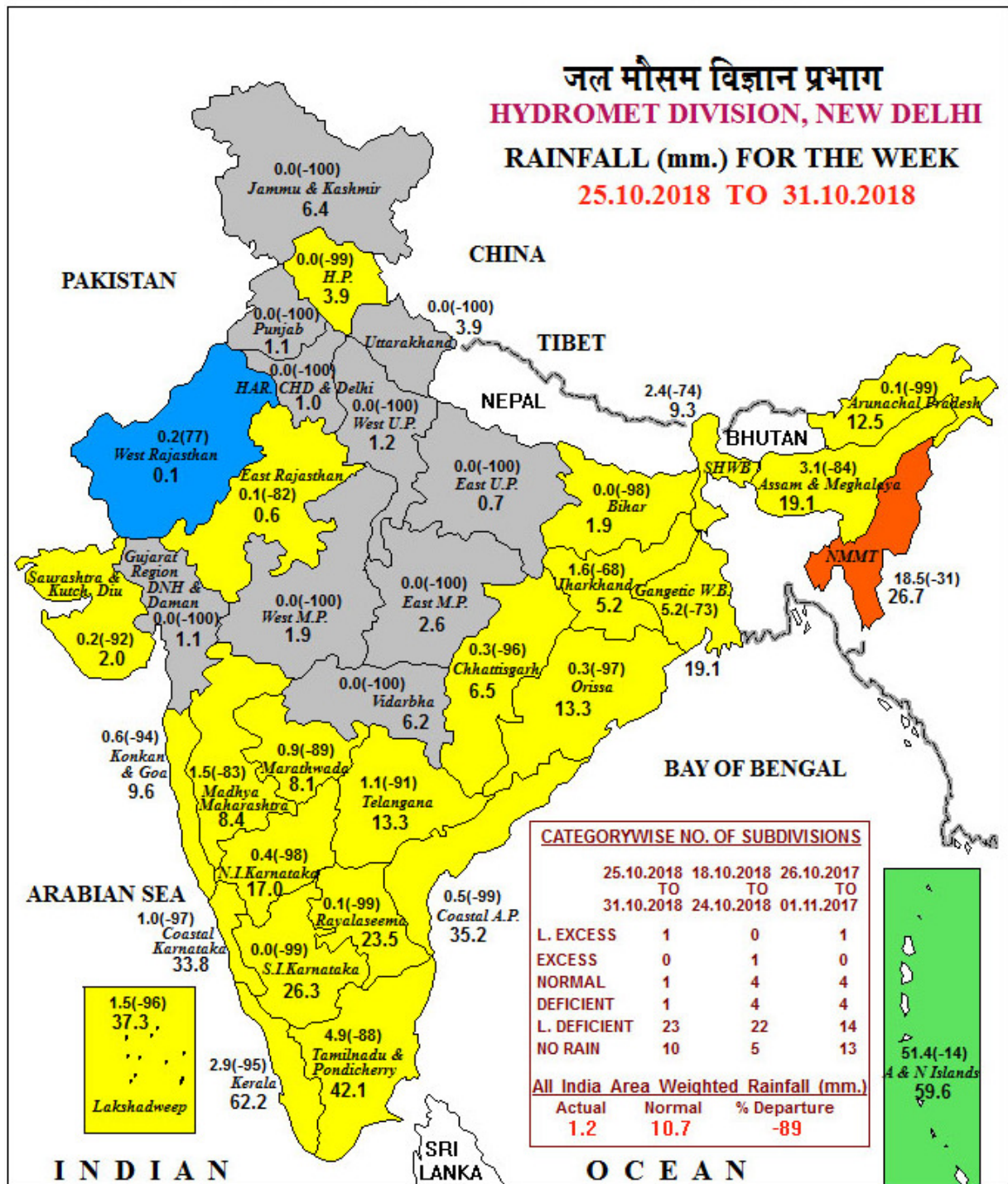
- Under the influence of a Western Disturbance, scattered to fairly widespread precipitation very likely to occur over Jammu & Kashmir and Himachal Pradesh; and isolated to scattered precipitation over Uttarakhand during first half of the 1<sup>st</sup> week.
- Scattered rainfall is very likely to occur over Andaman & Nicobar Islands during the 1<sup>st</sup> week.
- Isolated to scattered rainfall very likely to occur over Assam & Meghalaya, Mizoram & Tripura Sub-Himalayan West Bengal & Sikkim on many days of the 1<sup>st</sup> week (**Annexure III**).
- **Overall rainfall activity is likely to be below normal over south Peninsular India and normal to above normal precipitation is likely over Western Himalayan Region during 1<sup>st</sup> week.**
- **During 2<sup>nd</sup> week, rainfall activity is very likely to increase over extreme south Peninsular India (Tamilnadu & adjoining Rayalaseema and Kerala) and normal to above normal rainfall very likely over the region (Annexure IV).**

#### **Cyclogenesis:**

- **There is low probability of cyclogenesis over Bay of Bengal and Arabian Sea during next one week.**

**Next weekly update will be issued on next Thursday i.e. 08 November, 2018**

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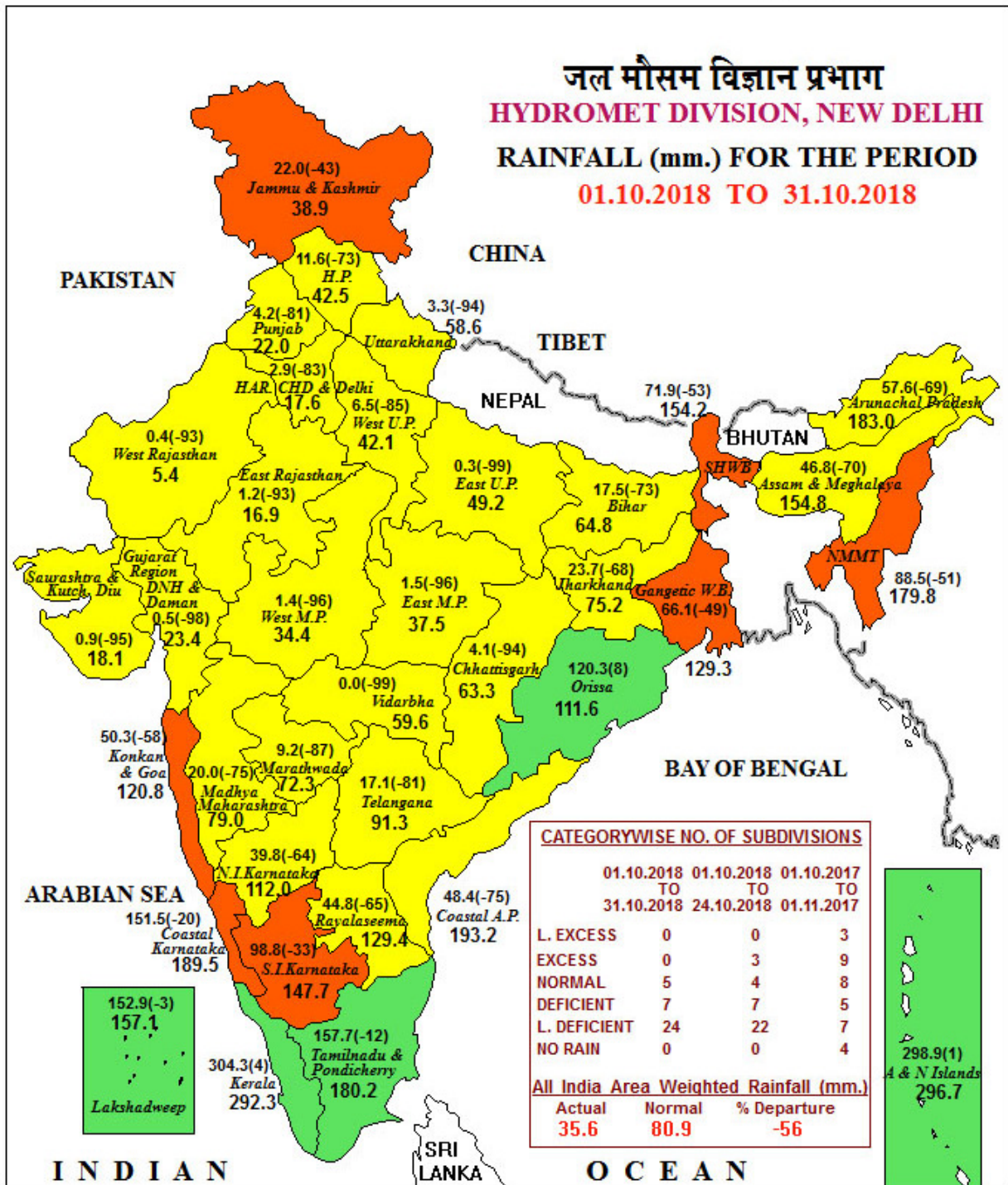
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 ■ DEFICIENT (-20% TO -59%) ■ L. DEFICIENT (-60% TO -99%) ■ NO RAIN (-100%) ■ NO DATA

**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 &amp; Wx. WARNINGS-2018

Sr. No	MET.SUB-DIVISIONS	01 NOV	02 NOV	03 NOV	04 NOV	05 NOV	06 NOV	07 NOV
1	ANDAMAN & NICO.ISLANDS	SCT	SCT	SCT	SCT	SCT	SCT	SCT
2	ARUNACHAL PRADESH	D	ISOL	ISOL	SCT	ISOL	ISOL	ISOL
3	ASSAM & MEGHALAYA	ISOL	ISOL	ISOL	ISOL	D	D	D
4	NAGA.MANI.MIZO.& TRIPURA	ISOL	ISOL	ISOL	D	D	D	D
5	SUB-HIM.W. BENG. & SIKKIM	D	D	ISOL	ISOL	ISOL	ISOL	D
6	GANGETIC WEST BENGAL	ISOL	D	D	D	D	D	D
7	ODISHA	ISOL	ISOL	ISOL	D	D	D	D
8	JHARKHAND	D	D	D	D	D	D	D
9	BIHAR	D	D	D	D	D	D	D
10	EAST UTTAR PRADESH	D	D	D	D	D	D	D
11	WEST UTTAR PRADESH	D	D	ISOL	D	D	D	D
12	UTTARAKHAND	ISOL	SCT	SCT	D	D	D	D
13	HARYANA CHD. & DELHI	D	ISOL	ISOL	D	D	D	D
14	PUNJAB	ISOL	ISOL	D	D	D	D	D
15	HIMACHAL PRADESH	SCT <sup>TS#</sup>	WS <sup>TS#</sup>	FWS	ISOL	D	D	D
16	JAMMU & KASHMIR	WS <sup>TS#</sup>	WS <sup>TS#</sup>	SCT	ISOL	D	D	D
17	WEST RAJASTHAN	D	D	D	D	D	D	D
18	EAST RAJASTHAN	D	D	D	D	D	D	D
19	WEST MADHYA PRADESH	D	D	D	D	D	D	D
20	EAST MADHYA PRADESH	D	D	D	D	D	D	D
21	GUJARAT REGION D.D. & N.H.	D	D	D	D	D	D	D
22	SAURASTRA KUTCH & DIU	D	D	D	D	D	ISOL	D
23	KONKAN & GOA	D	D	ISOL	ISOL	ISOL	ISOL	D
24	MADHYA MAHARASHTRA	D	ISOL	ISOL	ISOL	ISOL	D	D
25	MARATHAWADA	D	D	ISOL	ISOL	D	D	D
26	VIDARBHA	D	D	D	D	D	D	D
27	CHHATTISGARH	D	D	D	D	D	D	D
28	COASTAL ANDHRA PRADESH	SCT	SCT	SCT	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	D	ISOL	ISOL	ISOL	ISOL	ISOL	D
30	RAYALASEEMA	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	WS <sup>**</sup>	WS <sup>*</sup>	FWS <sup>*</sup>	SCT	ISOL	ISOL	ISOL
32	COASTAL KARNATAKA	ISOL	SCT	WS	FWS	SCT	ISOL	ISOL
33	NORTH INT.KARNATAKA	ISOL	ISOL	SCT	ISOL	ISOL	ISOL	D
34	SOUTH INT.KARNATAKA	FWS	FWS <sup>*</sup>	FWS	SCT	ISOL	ISOL	ISOL
35	KERALA	FWS <sup>*</sup>	WS <sup>*</sup>	WS <sup>*</sup>	FWS	SCT	SCT	SCT
36	LAKSHADWEEP	ISOL	ISOL	FWS	SCT	ISOL	ISOL	ISOL

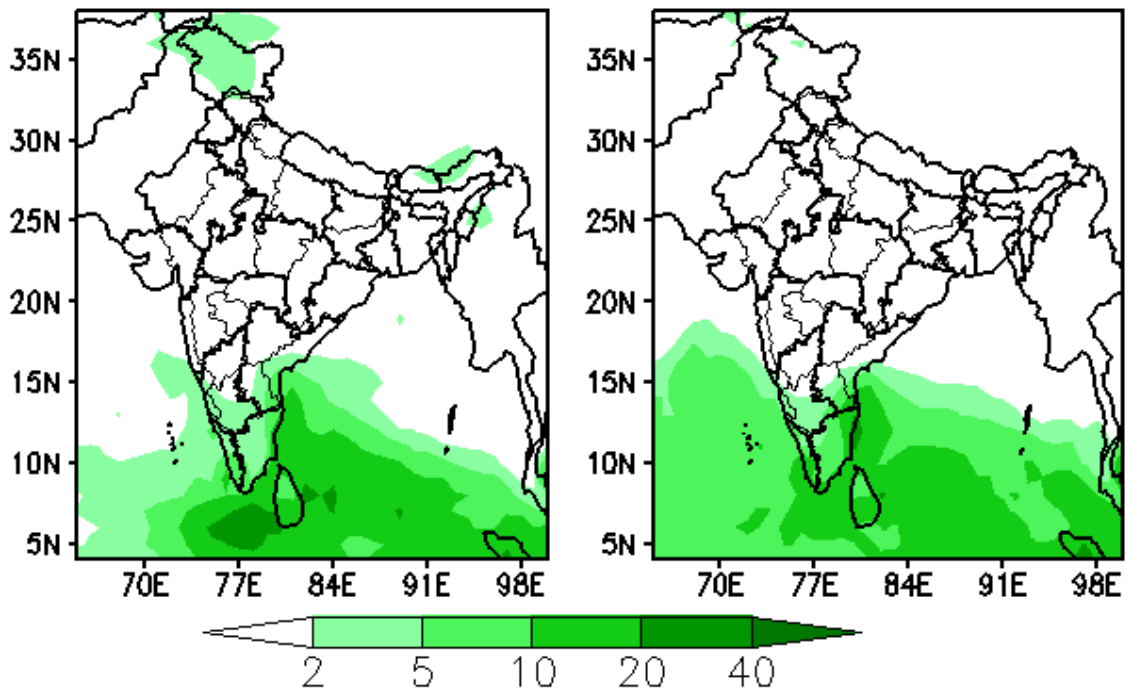
## LEGENDS:

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
<sup>*</sup> Heavy Rainfall (64.5-115.5 mm)	<sup>**</sup> Heavy to Very Heavy Rainfall (115.6-204.4 mm)	<sup>***</sup> Extremely Heavy Rainfall (204.5 mm or more)	
<sup>•</sup> FOG	<sup>*</sup> SNOWFALL	<sup>#</sup> HAILSTORM	<sup>†</sup> HEAT WAVE (+4.5 °C to +6.4 °C)
<sup>‡</sup> THUNDERSTORM WITH SQUALL/GUSTY WIND	<sup>DS/TS</sup> DUST/THUNDERSTORM	<sup>‡</sup> COLD WAVE (-4.5 °C to -6.4 °C)	<sup>††</sup> SEVERE HEAT WAVE (> +6.4)
			<sup>‡‡</sup> SEVERE COLD WAVE (< -6.4)

### Forecast rainfall (mm per day)

(Week1: 02Nov-08Nov)

(Week2: 09Nov-15Nov)



### Forecast rainfall anomaly (mm per day)

(Week1: 02Nov-08Nov)

(Week2: 09Nov-15Nov)

