



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

Dated: 25 October, 2018

Current Weather Status and Outlook for next two weeks (25 October to 07 November, 2018)

Significant Features

- **Southwest monsoon has withdrawn from the remaining parts of the country and thus from the entire country on 21st October 2018.**
- **Northeast monsoon circulation pattern has established over south Bay of Bengal and adjoining Sri Lanka. The pattern is likely to strengthen leading to the commencement of northeast monsoon rainfall over southeast peninsular India in coming 5 days.**
- Heavy to very heavy rain at isolated places occurred over Tamilnadu on two days and over Kerala on one day during the week.
- Heavy rain occurred over South Interior Karnataka on two days and over Telangana and Lakshadweep on one day each during the week.

Weekly Rainfall Scenario (18 to 24 October, 2018)

During the week, rainfall was below Long Period Average (LPA) by 68% over the country as a whole. Details are given below:

Regions	Actual Rainfall (mm)	Normal Rainfall (mm)	% Departure from LPA
Country as a whole	4.9	15.1	-68%
Northwest India	0.2	4.3	-96%
Central India	1.0	9.7	-90%
South Peninsula	21.8	35.7	-39%
East & northeast India	1.2	21.6	-94%

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

Post- monsoon Seasonal Rainfall Scenario (01 to 24 October, 2018)

For the country as a whole, cumulative rainfall during post- monsoon 2018 upto 24 October, 2018 was below LPA by 51% over the country as a whole. Details of the rainfall distribution over the four broad homogeneous regions of India are given below:

Regions	Actual Rainfall (mm)	Normal Rainfall (mm)	% Departure from LPA
Country as a whole	34.4	70.2	-51%
Northwest India	6.9	28.3	-76%
Central India	21.8	52.7	-59%
South Peninsula	90.3	126.2	-28%
East & northeast India	45.4	117.9	-61%

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

Chief synoptic conditions as on 25 October, 2018

- A cyclonic circulation lies over Gulf of Mannar & neighbourhood extending upto 1.5 km above mean sea level.
- A trough runs from the above cyclonic circulation to south Madhya Maharashtra across interior Tamilnadu & Karnataka at 0.9 km above mean sea level.
- A cyclonic circulation lies over Sub-Himalayan West Bengal & Sikkim and neighbourhood extending upto 4.5 km above mean sea level.
- A cyclonic circulation lies over Gulf of Siam extending upto 5.8 km above mean sea level.
- A cyclonic circulation over West Rajasthan & neighbourhood extending upto 0.9 km above mean sea level.

Large scale features as on 25 October, 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, neutral IOD conditions 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-8 with weak amplitude (less than 1), it is likely to be in same phase with high amplitude towards second half of the next one week.

Forecast for next two week

Weather systems & associated Precipitation during Week 1(25 to 31 October, 2018) and Week 2 (01 to 07 November, 2018)

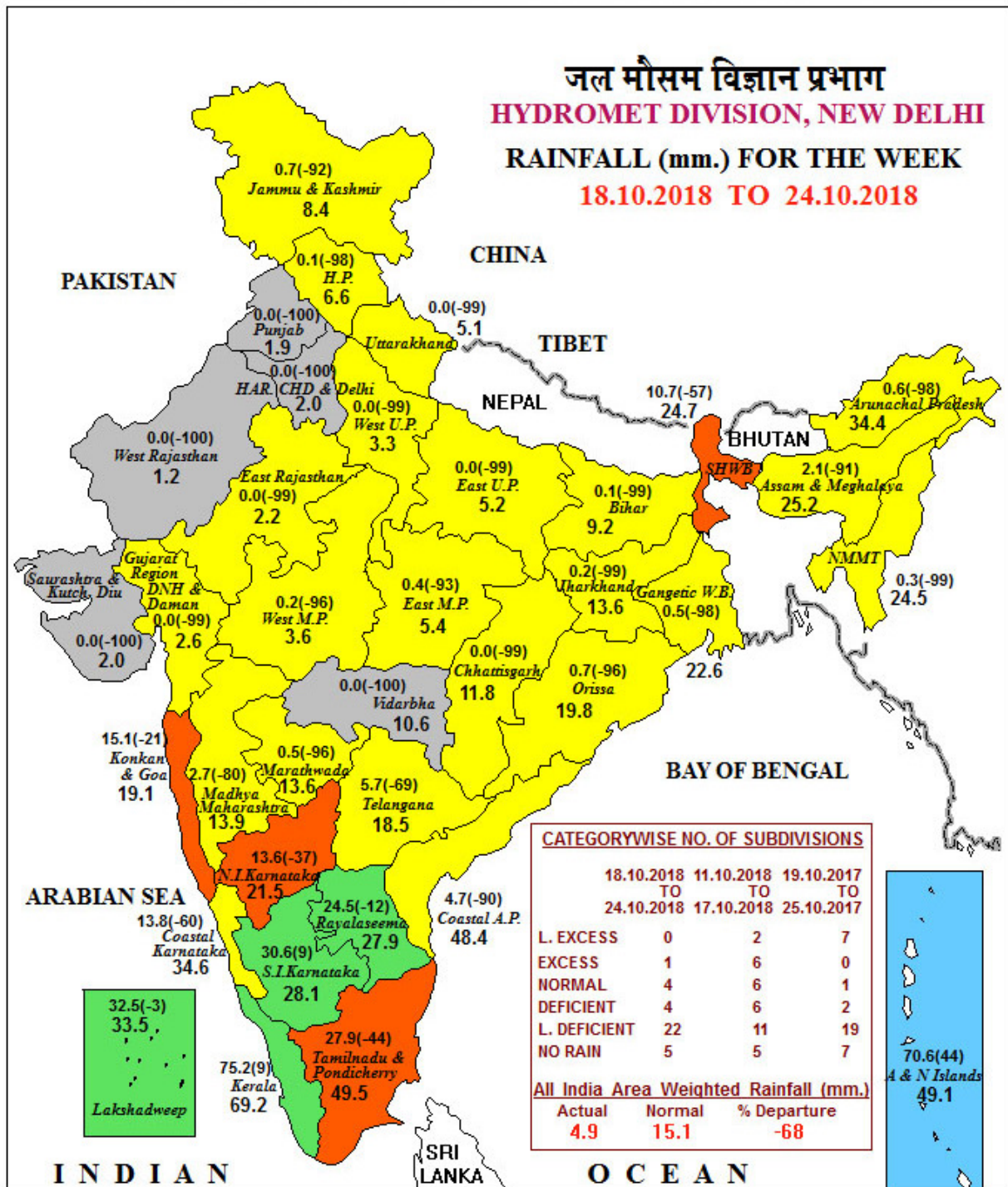
- A low pressure area is likely to form over westcentral and adjoining northwest Bay of Bengal around 29th October, 2018. Under its influence, Scattered to fairly widespread rainfall with isolated heavy rainfall is very likely to occur over Coastal Odisha and Gangetic West Bengal during second half of the 1st week.
- Isolated rainfall activity is very likely to occur over Tamilnadu and Kerala during the 1st week and few days of the week over rest parts of south Peninsular India.
- Scattered to fairly widespread rainfall is very likely to occur over Andaman & Nicobar Islands during first half of the 1st week and isolated to scattered in its second half.
- Isolated to scattered rainfall very likely to occur over Assam & Meghalaya, Mizoram & Tripura Sub-Himalayan West Bengal & Sikkim on most days of the 1st week (**Annexure III**).
- **Overall rainfall activity is likely to be below normal over south Peninsular India and over northeast & adjoining east India during 1st week.**
- **During 2nd week, rainfall activity is very likely to increase over south Peninsular India and normal to above normal rainfall very likely over the region. Normal to above normal precipitation is also likely to occur over Western Himalayan Region and maximum temperatures likely to be below normal over northwest & central India during 2nd week (Annexure IV).**

Cyclogenesis:

- **A low pressure area is likely to form over westcentral and adjoining northwest Bay of Bengal around 29th October, 2018 with low probability for intensification into a depression subsequently.**

Next weekly update will be issued on next Thursday i.e. 01 November, 2018

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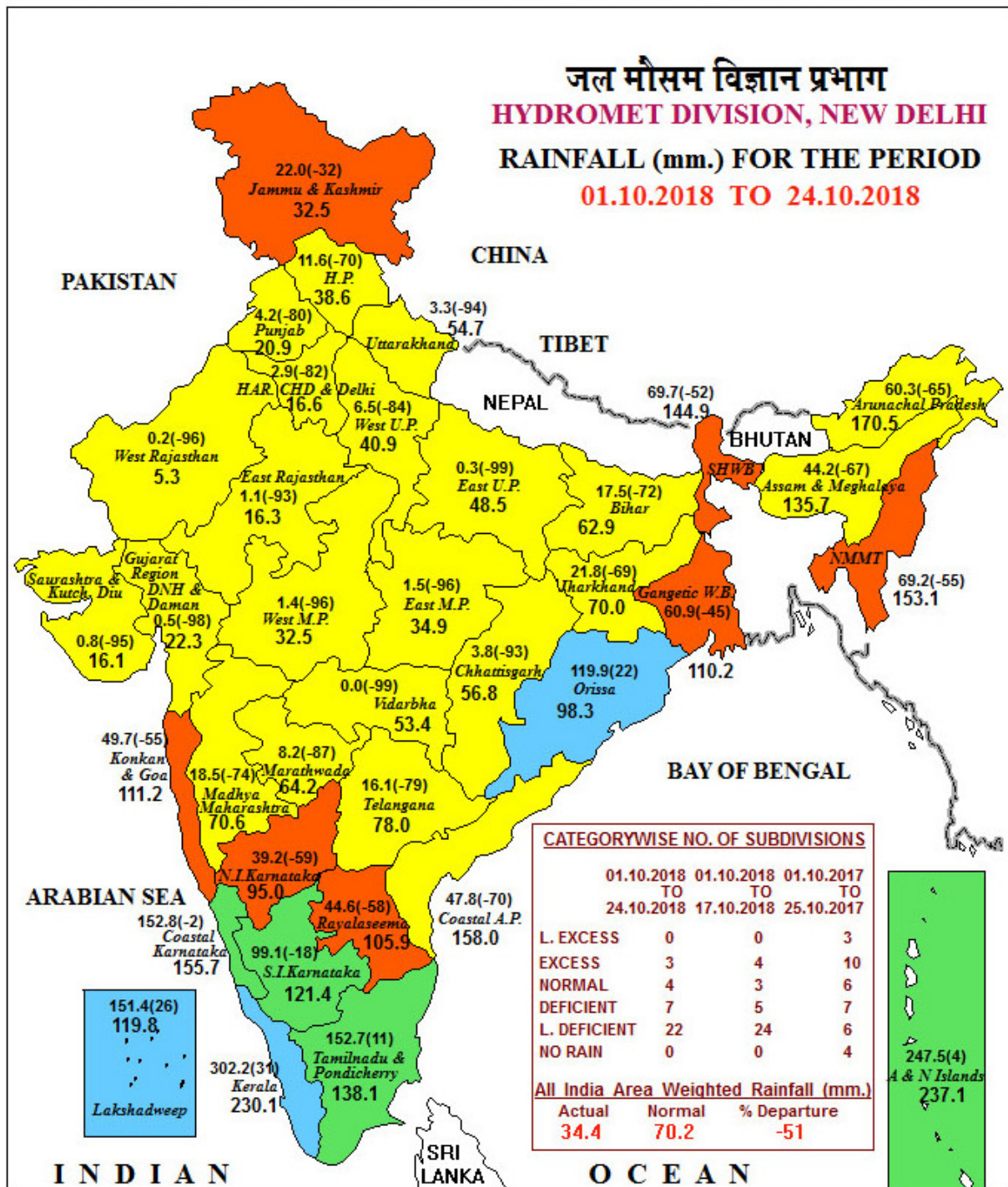


LEGEND: ■ L. EXCESS (+60% OR MORE) ■ EXCESS (+20% TO +59%) ■ NORMAL (+19% TO -19%)
■ DEFICIENT (-20% TO -59%) ■ L. DEFICIENT (-60% TO -99%) ■ NO RAIN (-100%) NO DATA

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-2018

Sr. No	MET.SUB-DIVISIONS	25 OCT	26 OCT	27 OCT	28 OCT	29 OCT	30 OCT	31 OCT
1	ANDAMAN & NICO.ISLANDS	WS	FWS	FWS	ISOL	ISOL	ISOL	SCT
2	ARUNACHAL PRADESH	D	D	D	D	D	ISOL	ISOL
3	ASSAM & MEGHALAYA	ISOL	D	ISOL	ISOL	ISOL	SCT	ISOL
4	NAGA.MANI.MIZO.& TRIPURA	ISOL	ISOL	SCT	SCT	SCT	FWS	SCT
5	SUB-HIM.W. BENG. & SIKKIM	ISOL	D	D	D	ISOL	ISOL	ISOL
6	GANGETIC WEST BENGAL	D	D	D	D	ISOL*	FWS*	SCT
7	ODISHA	D	D	D	ISOL	SCT*	SCT	ISOL
8	JHARKHAND	D	D	D	D	ISOL	ISOL	ISOL
9	BIHAR	ISOL	D	D	D	D	ISOL	D
10	EAST UTTAR PRADESH	D	D	D	D	D	D	D
11	WEST UTTAR PRADESH	D	D	D	D	D	D	D
12	UTTARAKHAND	D	D	D	D	D	D	D
13	HARYANA CHD. & DELHI	D	D	D	D	D	D	D
14	PUNJAB	D	D	D	D	D	D	D
15	HIMACHAL PRADESH	ISOL	D	D	D	D	D	D
16	JAMMU & KASHMIR	ISOL	D	D	D	D	D	ISOL
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	D	D
23	KONKAN & GOA	ISOL	D	D	D	D	D	D
24	MADHYA MAHARASHTRA	ISOL	D	D	D	D	D	D
25	MARATHAWADA	ISOL	D	D	D	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	ISOL	D	D	D	D	D	D
29	TELANGANA	D	D	D	D	D	D	D
30	RAYALASEEMA	D	ISOL	D	D	D	D	D
31	TAMILNADU & PUDUCHERRY	ISOL ^{\$}	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
32	COASTAL KARNATAKA	ISOL	D	D	D	D	D	D
33	NORTH INT.KARNATAKA	ISOL	D	D	D	D	D	D
34	SOUTH INT.KARNATAKA	ISOL	ISOL	D	D	D	ISOL	ISOL
35	KERALA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
36	LAKSHADWEEP	SCT	ISOL	D	D	D	ISOL	ISOL

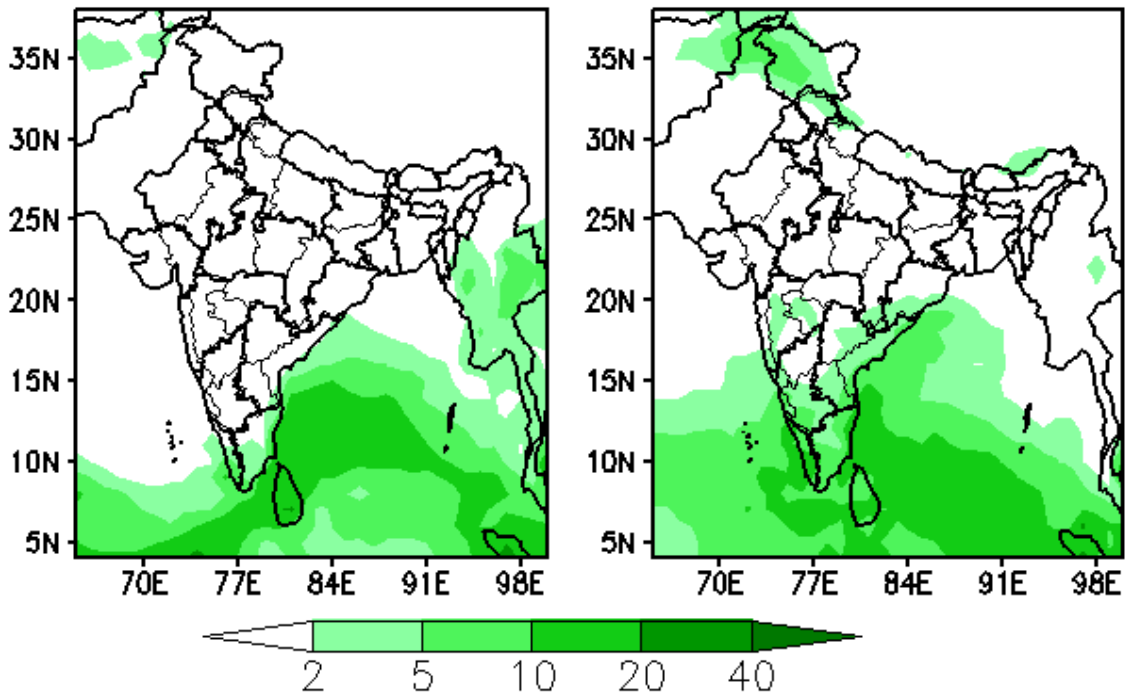
LEGENDS:

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
[*] 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	[#] HAILSTORM	[†] HEAT WAVE (+4.5 °C to +6.4 °C)	^{††} SEVERE HEAT WAVE (> +6.4)
[*] SNOWFALL	^{DS/TS} DUST/THUNDERSTORM	[‡] COLD WAVE (-4.5 °C to -6.4 °C)	^{‡‡} SEVERE COLD WAVE (< -6.4)
[§] THUNDERSTORM WITH SQUALL/GUSTY WIND			

Forecast rainfall (mm per day)

(Week1: 26Oct-01Nov)

(Week2: 02Nov-08Nov)



Forecast rainfall anomaly (mm per day)

(Week1: 26Oct-01Nov)

(Week2: 02Nov-08Nov)

