



Date: 19-12-2019  
Time of issue: 1500 IST

## **EXTENDED RANGE FORECAST FOR RAJASTHAN**

**(Current weather status & outlook for next two weeks (20 Dec 2019- 02 Jan, 2020))**

### **1. Realised rainfall scenario:**

#### **(i) Weekly Rainfall Scenario (13 Dec to 19 Dec, 2019) :**

Under the influence of a very active western disturbance during 11-13 December, an active wet spell observed over the state. The rainfall was above normal of Long Period Average (LPA) over the state as a whole. The rainfall during past week over west and east Rajasthan is as follows:

Subdivision/State	Actual Rainfall (mm)	Normal Rainfall (mm)	Departure from Normal (%)
West Rajasthan	2.5	0.4	530%
East Rajasthan	3.5	0.4	774%
Rajasthan as whole	3.0	0.4	638%

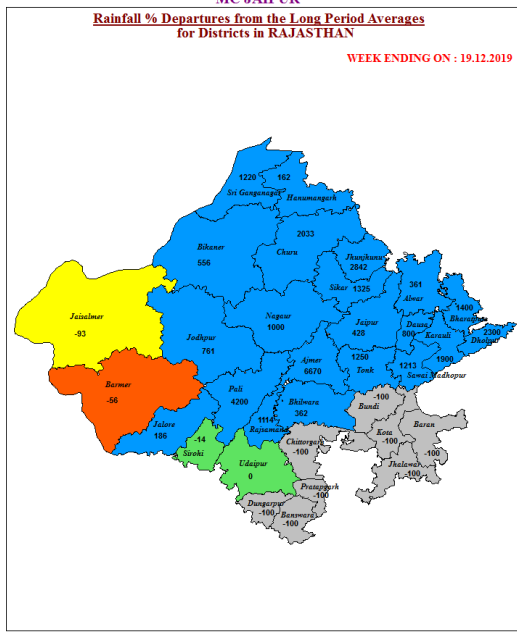
#### **(ii) Seasonal Rainfall Scenario (01 October to 19 December, 2019):**

For the state as a whole, cumulative rainfall during this year's post monsoon season was above normal of Long Period Average (LPA) by 157 %. Seasonal rainfall over west and east Rajasthan is as follows:

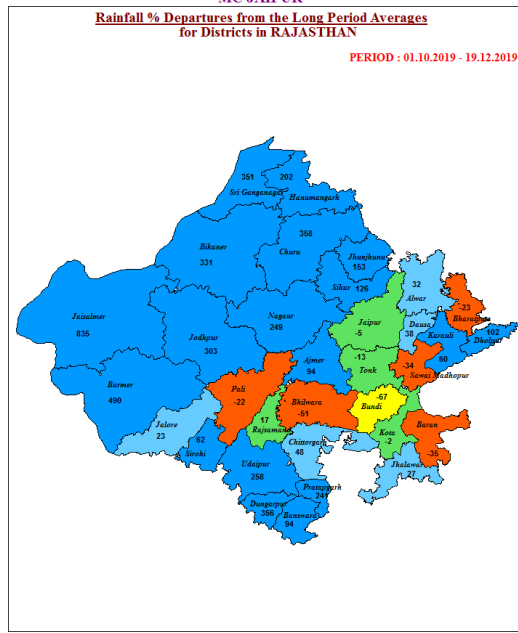
Subdivision/State	Actual Rainfall (mm)	Normal Rainfall (mm)	Departure from Normal (%)
West Rajasthan	46.1	10.7	331%
East Rajasthan	38.5	24.1	60%
Rajasthan as whole	42.7	16.6	157%

District-wise weekly and seasonal observed rainfall over the state are depicted in the figure-1:-

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(Fig 1: Realised rainfall over the state)

2. **Cold day (13 Dec to 19 Dec, 2019)** : The observed maximum temperatures during recent past week were below normal by 6-8 °C at few places (**Cold day to severe cold day**) during 15-17 December and at isolated places rest of the days. **The lowest maximum temperature 11.9 °C (below normal by 10.9 °C) recorded at Shriganganagar on 16<sup>th</sup> December.**

3. **Chief synoptic conditions as on 19 December, 2019**

- The western disturbance as a cyclonic circulation over west Iran and neighborhood between 3.1 & 5.8 Km above mean sea level persists.

4. **Forecast for next two weeks**

Under the influence of the present synoptic features, dynamical scenario and model guidance -

(i) **Rainfall forecast for week 1: (20 Dec – 26 Dec, 2019)**

- **Light rain/thundershower** at isolated places likely over east Rajasthan during 24-25 December and **Mainly dry weather** most likely during rest of the days over state.
- Cumulatively **below normal rainfall** over west Rajasthan and **above normal rainfall** likely over east Rajasthan during week-1. Rainfall forecast and departure from normal depicted in ANNEXURE-I & II.

**(ii) Rainfall forecast for week 2: (27 Dec – 02 Jan, 2020)**

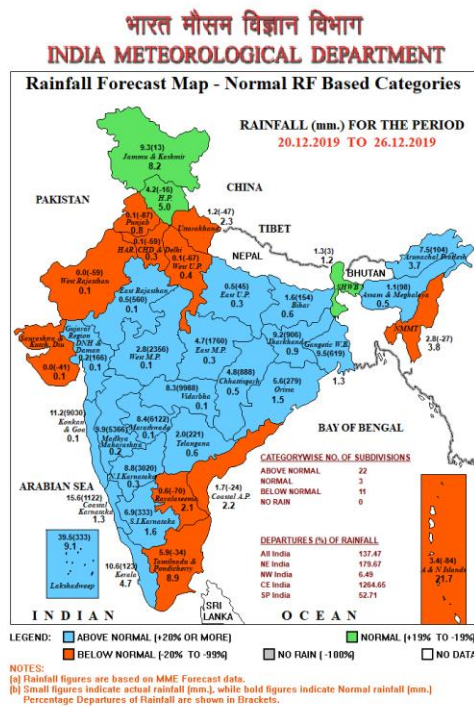
- Cumulatively above normal rainfall likely over the state as whole during the period (27 Dec – 02 Jan, 2020).

**(iii) Min. Temperature forecast for week 1 & week 2: (20 Dec – 02 Jan, 2020)**

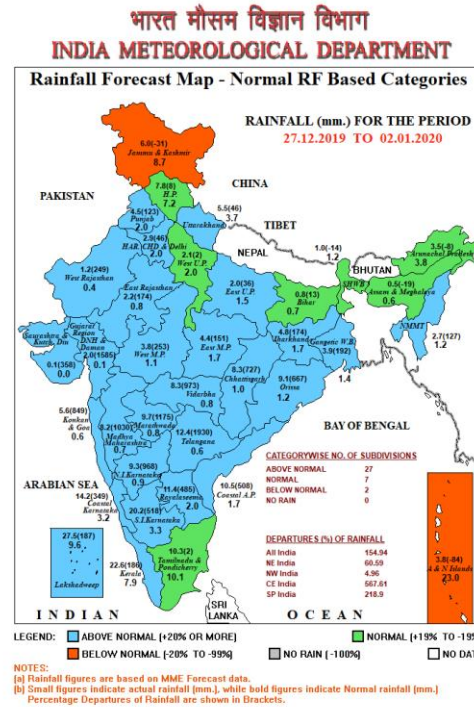
- Minimum temperatures likely to be below normal to near normal in the state. It is likely to be above normal over South eastern parts of the state during (20 Dec – 26 Dec, 2019). Minimum temperatures likely to be below normal to near normal in the state during (27 Dec – 02 Jan, 2020). Min temperature anomaly depicted in ANNEXURE-III.

**ANNEXURE-I**

**RAINFALL FORECAST FOR WEEK- 01**



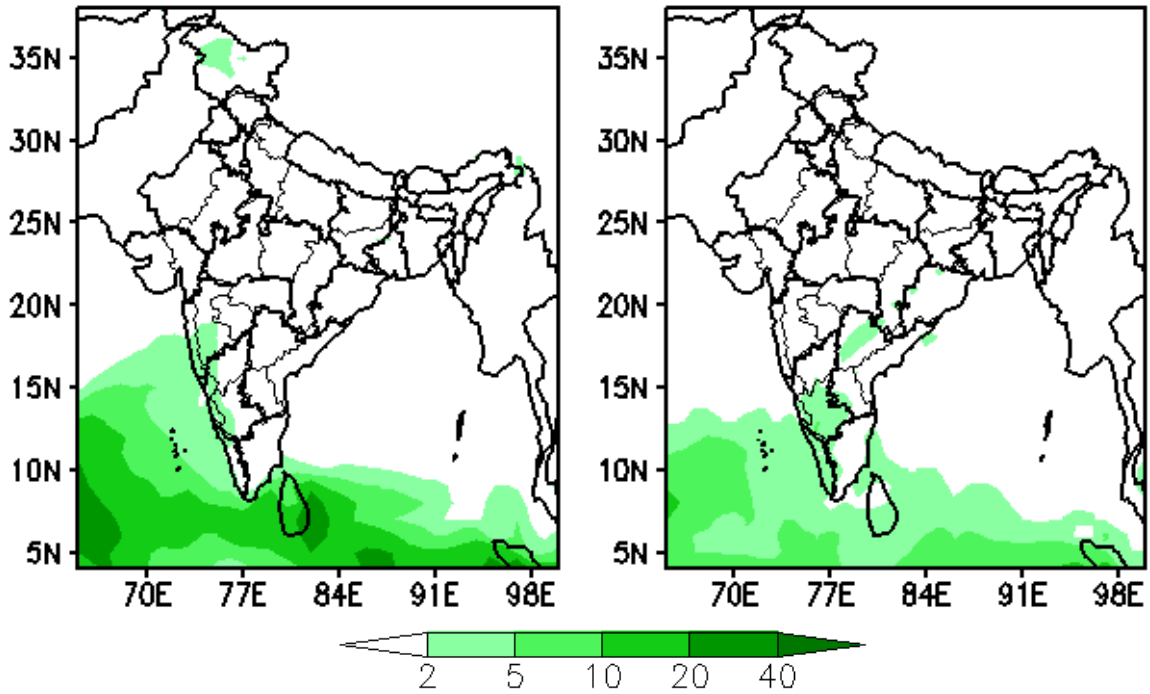
**RAINFALL FORECAST FOR WEEK- 02**



## Forecast Rainfall (mm/day)

(Week1: 20Dec-26Dec)

(Week2: 27Dec-02Jan)

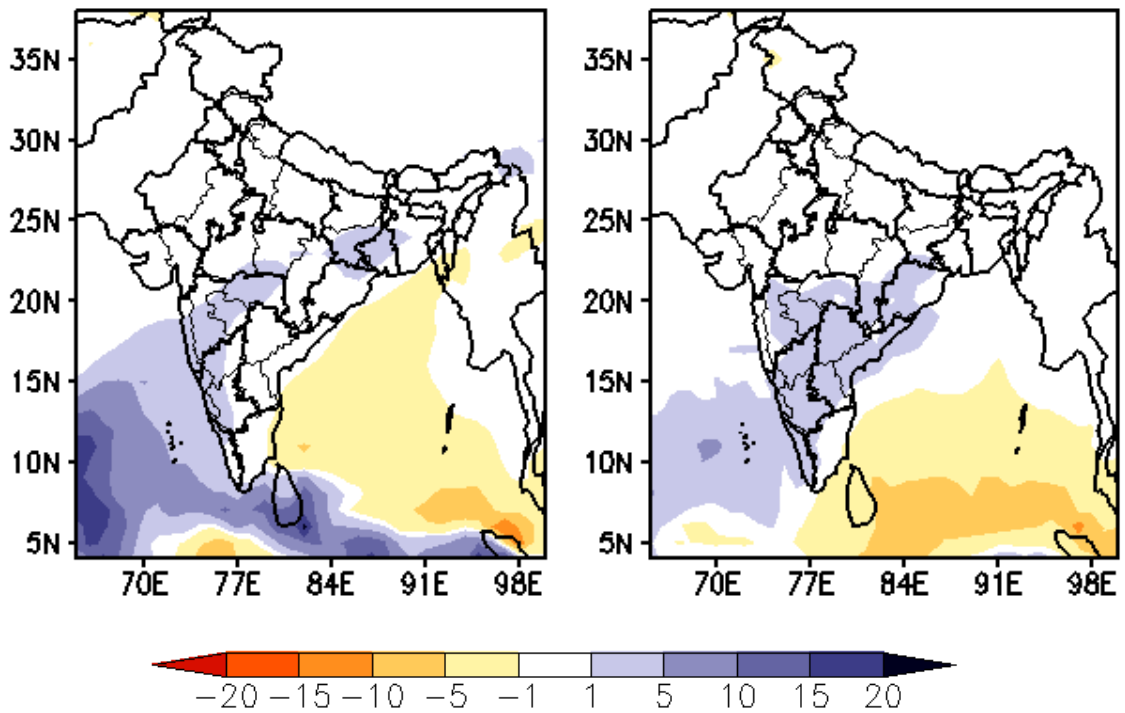


ANNEXURE-II

## Forecast Rainfall Anomaly (mm/day)

(Week1: 20Dec-26Dec)

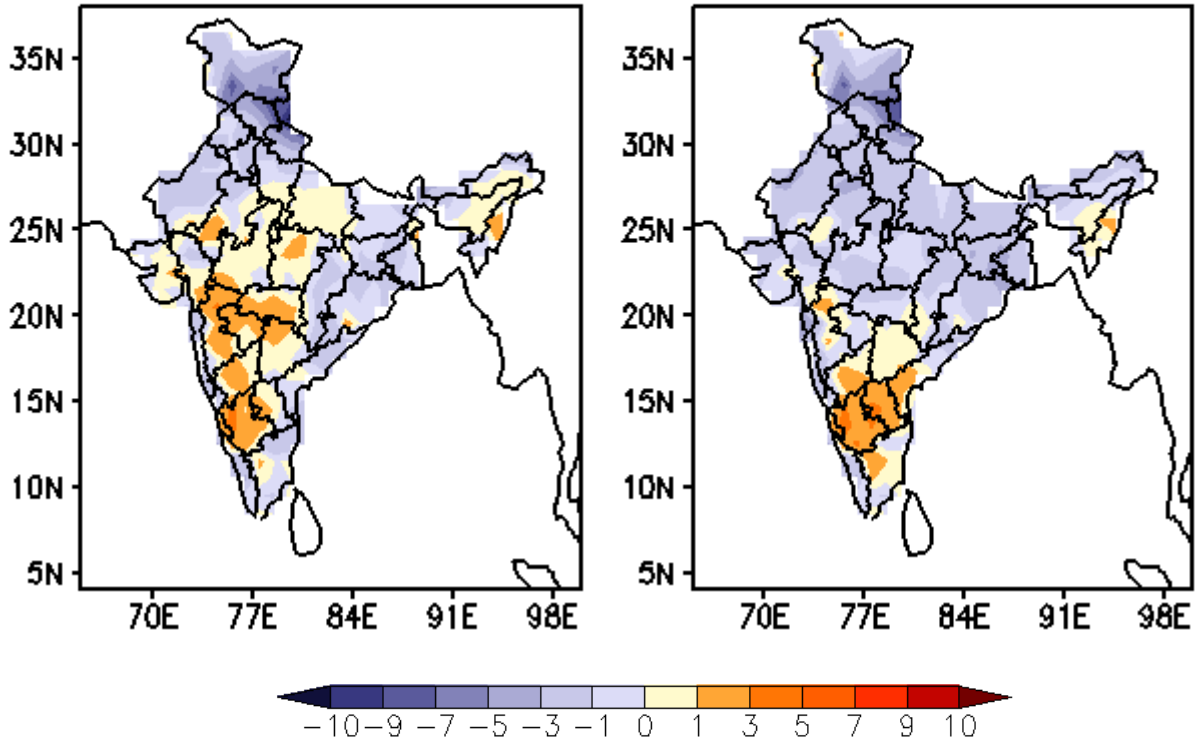
(Week2: 27Dec-02Jan)



## MME forecast Tmin anomaly (Deg C)

(Week1: 20Dec-26Dec)

(Week2: 27Dec-02Jan)



Next bulletin will be issued on 26<sup>th</sup> December, 2019 (Thursday)