

भारतसरकार
भारतमौसमविज्ञानविभाग
मौसमकेन्द्र, बिरसामुंडाविमानपत्तन,
राँची, झारखण्ड, पिन - 834002



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Thursday, 14th October, 2021

EXTENDED RANGE FORECAST FOR JHARKHAND

(Current weather status & outlook for next two weeks from 15th October – 28th October, 2021)

1. Main synoptic features that affected the weather of the state of Jharkhand (07th October - 13th October, 2021):

No significant synoptic situation prevails over Jharkhand during the week. However, a cyclonic circulation over Eastcentral Bay of Bengal & neighbourhood persisted and extended upto 5.8 km above mean sea level tilted south-westwards with height. Under its influence, a Low Pressure Area was likely to form over eastcentral Bay of Bengal & neighbourhood during next 24 hours. It moved west-northwestwards and reached south Odisha-north Andhra Pradesh coasts during subsequent 24 hours.

Moreover, Southwest monsoon had withdrawn from entire Jharkhand, Bihar; some more parts of Gujarat, Madhya Pradesh, Chattisgarh and some parts of Maharashtra, Odisha & West Bengal & the withdrawal line now passes through Lat. 26.7°N/Long. 87.9°E, Siliguri, Malda, Shantiniketan, Midnapore, Baripada, Bhawanipatna, Kanker, Chindwada, Indore, Anand, Rajkot and Porbandar as on 11.10.2021. Conditions are becoming favourable for further withdrawal of southwest monsoon from most parts of Madhya Pradesh, Chhattisgarh, West Bengal; some more parts of Maharashtra, Odisha and some parts of northeast India during next 2 days.

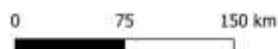
2. Weekly Rainfall Scenario (08th October - 14th October, 2021):

Under the influence of well-marked low pressure area the whole week received isolated rainfall except two days remain dried over the state. Monsoon activity has been weak during the same period.

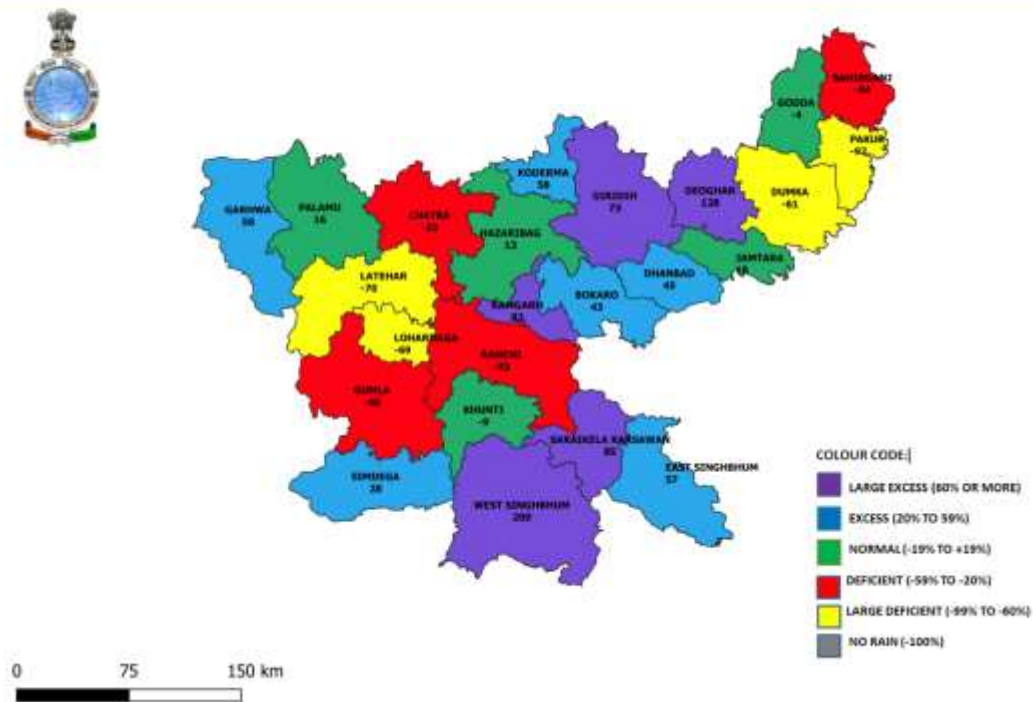
Cumulatively, the weekly realized rainfall was Large Deficient (Departure: -92%).

CATEGORY	WEEK 08.10.2021 to 14.10.2021	SEASON 01.10.2021 to 14.10.2021
LARGE EXCESS	NIL	05 Districts
EXCESS	NIL	06 Districts
NORMAL	01 District	05 Districts
DEFICIENT	01 District	04 Districts
LARGE DEFICIENT	07 Districts	04 Districts
NO RAIN	15 Districts	NIL
Cumulative rainfall (mm)	1.4	60.4
Normal rainfall (mm)	16.8	49.5
DEPARTURE (%)	-92	22

WEEKLY RAINFALL DEPARTURES FOR WEEK ENDING 14.10.2021



DISTRICTWISE RAINFALL DEPARTURES OF JHARKHAND FOR THE PERIOD 01.10.2021 TO 14.10.2021



(3) Seasonal Rainfall Scenario (01st October to 14th October, 2021):

Out of 24 districts, 05 districts received large excess, 06 district received Excess, 05 districts Normal, 04 districts Deficient, 04 districts large deficient rainfall during above period. Cumulatively, seasonal rainfall was excess (Departure +22%) over the state during the period.

(4) Temperatures:

- Maximum temperature was observed normal to appreciably above normal over most parts of the state during the past week. It remained in the range (31-36)°C over the state.
- Overall, Minimum temperature was observed normal to appreciably above normal in the state. It was observed in the range of (20-26) °C during the week.

(5) Chief synoptic conditions as on 14th October, 2021:

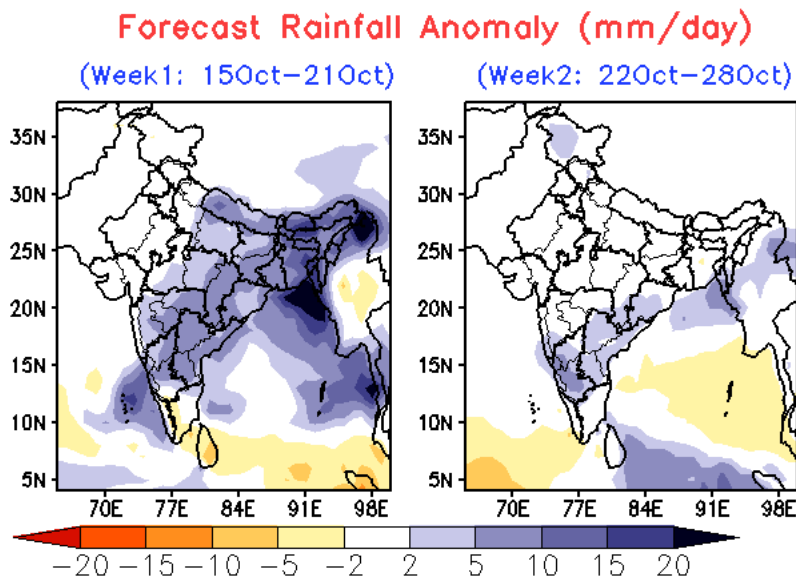
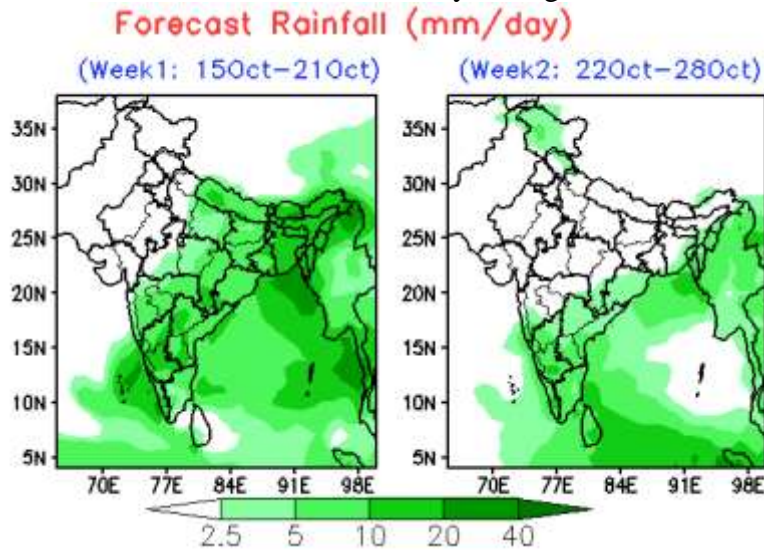
- No significant synoptic situation prevails over Jharkhand.
- The Low Pressure Area over Eastcentral Bay of Bengal & neighbourhood now lies over northern parts of Central Bay of Bengal & neighbourhood and the associated cyclonic circulation extends upto 5.8 km above mean sea level tilting southwestwards with height. It is likely to move westnorthwestwards and reach south Odisha-north Andhra Pradesh coasts during next 24 hours.

(6) Forecast for next two weeks:

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

(i) Rainfall forecast for week 1 (15th October – 21st October, 2021) and Week 2 (22nd October – 28th October, 2021):

- **Week 1:** During week 1, light to moderate rainfall is likely to be observed over the state of Jharkhand. Cumulatively above normal rainfall is predicted for this week.
- **Week 2:** Below normal rainfall is likely during week-2.



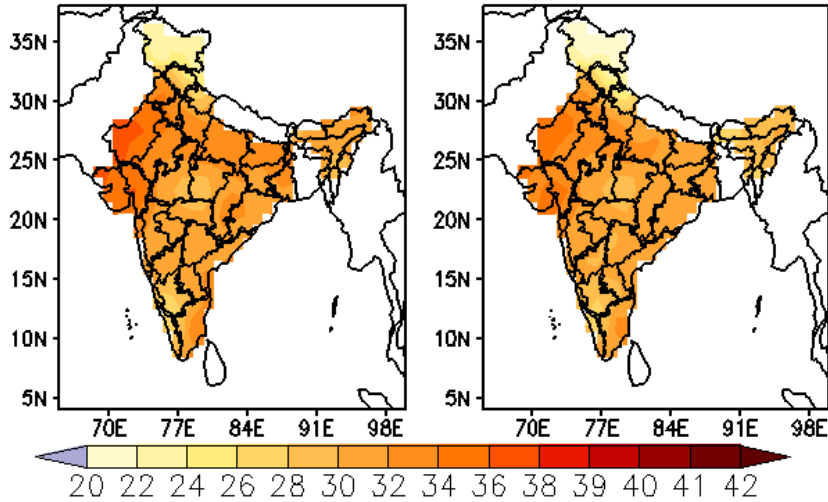
(ii) Maximum Temperature forecast for week 1 (15th October – 21st October, 2021) and Week 2 (22nd October – 28th October, 2021):

- During week 1, during first week, normal maximum temperature is expected. It may lie in the range of (30-34) °C.
- During week 2, Normal maximum temperature is likely to be observed over most part of the state during this period and it may lie in the range of (30-34) °C.

MME Bias corrected forecast Tmax (Deg

(Week1: 15Oct–21Oct)

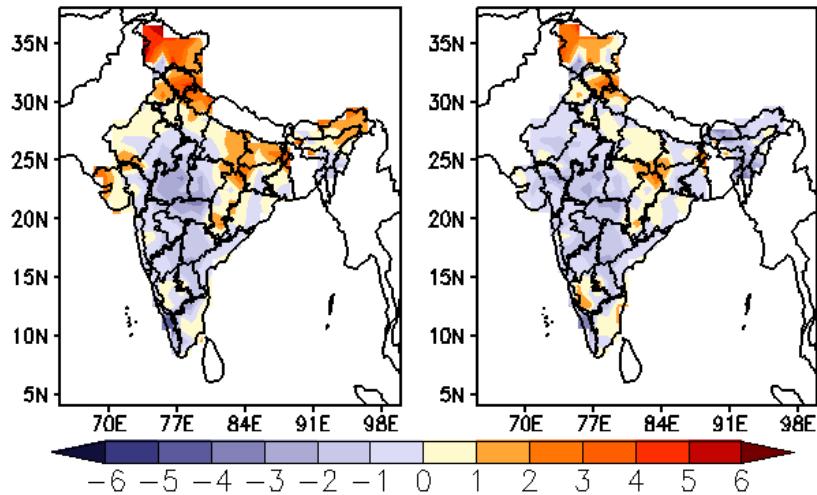
(Week2: 22Oct–28Oct)



MME forecast Tmax anomaly (Deg C)

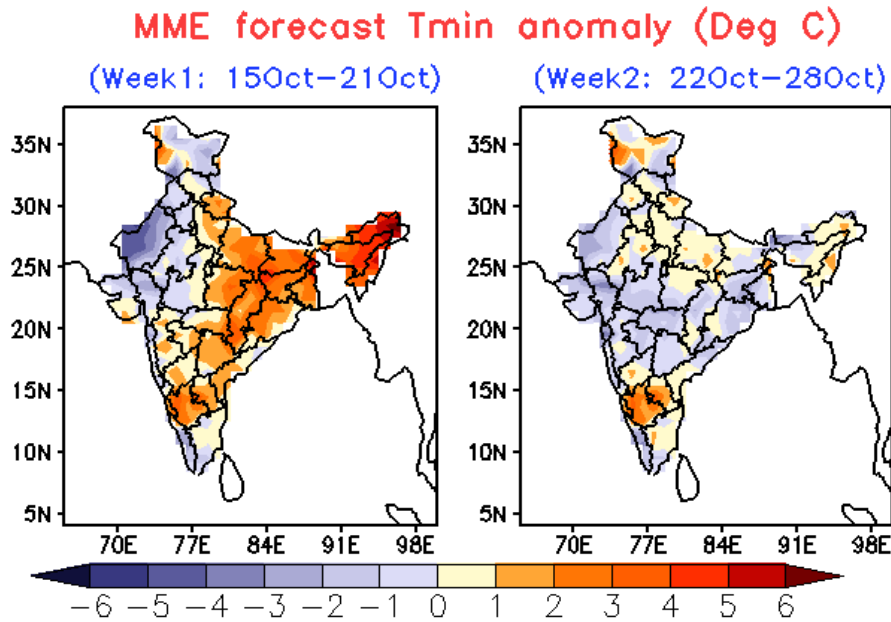
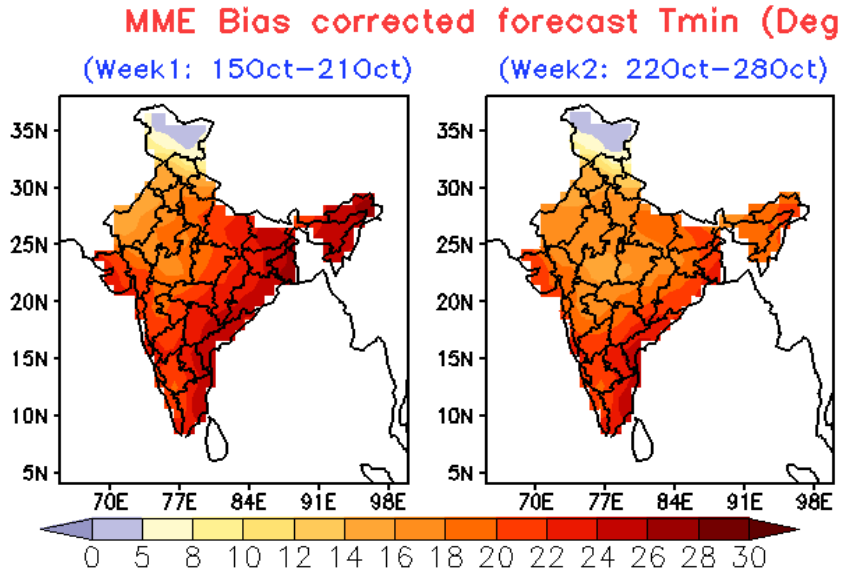
(Week1: 15Oct–21Oct)

(Week2: 22Oct–28Oct)



(iii) Minimum Temperature forecast for week 1 (15th October – 21st October, 2021) and week 2 (22nd October – 28th October, 2021) :

- During week-1, Normal to appreciably above normal Minimum temperature is likely over most parts of the state. It may lie in the range of (18-24) °C.
- During week-2, normal to below normal minimum temperature is likely over most part of the state. It may lie in the range of (16-20) °C.



Next bulletin will be issued on 21st October, 2021 (Thursday).

**Upendra Sirivastwa, Met.-A & Head
Meteorological Centre, Ranchi**