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Daily Weather Bulletin for Jharkhand
Thursday, 28th October, 2021

Time: 1300 hrs. IST

Station Name : Ranchi			
Tomorrow's Sunrise (IST)	05:52	Today's Sunset (IST)	17:13
Tomorrow's Moonrise (IST)	23:08	Today's Moonset (IST)	12:14

➤ **Realized Weather (during past 24 hrs.):** Dry weather prevailed over Jharkhand. The highest maximum temperature 33.2°C was recorded at Godda-KVK while the lowest minimum temperature 18.2°C was recorded at Ranchi & Chaibasa.

Maximum temperatures: (1) **Last 24 hrs change:** No large change (-2.0°C to +2.0°C) at most places over Jharkhand. (2) **Normal Departures:** Normal (-1.5°C to 1.5°C) at most places over Jharkhand.

Minimum temperatures: (1) **Last 24 hrs change:** No large change (-2.0°C to +2.0°C) at many places & Appreciable fall (-2.1°C to -4.0°C) at isolated places over Jharkhand. (2) **Normal Departures:** Normal (-1.5°C to 1.5°C) at few places, Above normal (1.6°C to 3.0°C) & Appreciably above normal (3.1°C to 5.0°C) each at isolated places over Jharkhand.

➤ **Synoptic feature:**

○ No significant synoptic situation prevails over Jharkhand.

➤ **Chief amounts of Rainfall (in mm):**- NIL.

➤ **Sector wise Forecast for the state of Jharkhand (till noon of 04th November 2021):**

Day	Central (Bokaro, Gumla, Hazaribagh, Khunti, Ramgarh & Ranchi)	South (Chaibasa, Jamshedpur, Simdega & Saraikela)	NW (Chatara, Garhwa, Koderma, Latehar, Lohardagga & Palamu)	NE (Deoghar, Dhanbad, Dumka, Giridih, Godda, Jamtara, Pakur & Sahebganj)
28.10.21	1. Dry weather most likely. 2. No large change in night temperature during next 24 hours thereafter falls by (2-3) °C during subsequent (3-4) days over Jharkhand.			
29.10.21	Dry weather most likely & mainly clear sky.			
30.10.21				
31.10.21				
01.11.21				
Outlook for subsequent Two days				
02.11.21	Dry weather most likely & mainly clear sky.			
03.11.21				

➤ **Sector wise Warning for the state of Jharkhand (for next five days):**

Day	Central (Bokaro, Gumla, Hazaribagh, Khunti, Ramgarh & Ranchi)	South (Chaibasa, Jamshedpur , Simdega & Saraikela)	NW (Chatara, Garhwa, Koderma, Latehar, Lohardagga & Palamu)	NE (Deoghar, Dhanbad, Dumka, Giridih, Godda, Jamtara, Pakur & Sahebganj)
	28.10.21	NIL.		
29.10.21				
30.10.21				
31.10.21				
01.11.21				
02.11.21				
03.11.21				

➤ **Local Forecast for RANCHI & neighborhood (for next five days):**

Day	WEATHER FORECAST	Temperature (in °C)	
		Max.	Min.
28.10.21	Dry weather most likely & partly cloudy sky.	28	20
29.10.21	Dry weather most likely & mainly clear sky.	28	19
30.10.21	Dry weather most likely & mainly clear sky.	27	17
31.10.21	Dry weather most likely & mainly clear sky.	27	17
01.11.21	Dry weather most likely & mainly clear sky.	27	17
Outlook for subsequent Two days			
02.11.21	Dry weather most likely & mainly clear sky.		
03.11.21			

➤ **Observations recorded at 08:30 hrs. IST of 28.10.2021:**

STATION NAME (*: KVK)	TEMPERATURE				RAINFALL (mm)		RELATIVE HUMIDITY (%)	
	Max. Past 24 Hrs.	Dep. From Normal	Min. Past 24 Hrs.	Dep. From Normal	Past 24 Hrs.	Since 1 st Oct'21	Max Past 24 Hrs.	Min Past 24 Hrs.
Ranchi	27.7	0.0	18.2	+1.7	000.0	099.0	90	55
Jamshedpur	31.3	+0.6	22.2	+3.4	000.0	187.9	75	45
Daltonganj	31.0	+0.1	18.9	+1.4	000.0	047.2	88	53
Bokaro-Thermal	30.1	+0.3	18.5	-0.3	000.0	172.8	65	55
Chaibasa	30.4	+0.7	18.2	-1.0	000.0	140.0	75	62
Deoghar*	32.6	-	19.4	-	000.0	-	-	-
Godda*	33.2	-	20.8	-	000.0	-	-	-
Sahibgnj (AWS)	32.1	-	23.2	-	000.0	-	-	-
Pakur*	32.5	-	20.8	-	000.0	-	-	-

➤ Rainfall statistics of Jharkhand for the period 01.10.2021 to 27.10.2021

Excess :20% or more, Normal :+19% to -19%, Deficient :-20% to -59%, Scanty:-60% to -99%

S. NO.	DISRICTS	ACTUAL Rainfall (mm)	NORMAL Rainfall (mm)	DEPARTURE (%)
1.	BOKARO	145.5	84.4	72
2.	CHATRA	50.1	56.8	-12
3.	DEOGHAR	200.1	81	147
4.	DHANBAD	144	86.7	66
5.	DUMKA	163.4	118	38
6.	EAST SINGBHUM	121	70.6	71
7.	GARHWA	58.1	42.6	36
8.	GIRIDIH	164.1	80.7	103
9.	GODDA	130.9	91.9	42
10.	GUMLA	45.1	67.8	-33
11.	HAZARIBAG	124.2	87.7	42
12.	JAMTARA	162.7	121.3	34
13.	KHUNTI	74	69.3	7
14.	KODERMA	164.3	90.3	82
15.	LATEHAR	32.8	57.7	-43
16.	LOHARDAGA	43.3	55.7	-22
17.	PAKUR	76.8	133.9	-43
18.	PALAMU	66.2	40.6	63
19.	RAMGARH (HAZARIBAGH)	123.8	69.6	78
20.	RANCHI	67.5	63.9	6
21.	SAHIBGANJ	167	119.2	40
22.	SERAIKELA-KHARSAWAN	101.5	56	81
23.	SIMDEGA	61.7	59.2	4
24.	WEST SINGBHUM	203.2	62.7	224
	JHARKHAND	111.7	72.5	54

(Abhishek Anand)
Scientist-C & Head
Meteorological Centre, Ranchi

Terms used for Description of temperatures

<u>24 hrs temperature</u>	<u>Temperature departures</u>
<u>Marked fall (-4.1°C or less)</u>	<u>Markedly below normal (-5.0°C or less)</u>
<u>Appreciable fall (-2.1°C to -4.0°C)</u>	<u>Appreciably below normal (-3.1°C to -5.0°C)</u>
<u>No large change (-2.0°C to +2.0°C)</u>	<u>Below normal (-1.6°C to -3.0°C)</u>
<u>Appreciable rise (2.1°C to 4.0°C)</u>	<u>Normal (-1.5°C to 1.5°C)</u>
<u>Marked rise (4.1°C or more)</u>	<u>Above normal (1.6°C to 3.0°C)</u>
	<u>Appreciably above normal (3.1°C to 5.0°C)</u>
	<u>Markedly above normal (5.0°C or more)</u>

LEGEND:

Distribution of rainfall		Probability of occurrence of the rainfall at places :		
% of rainfall stations	Category	Colour code for WARNING	Probabilistic Forecast	
76% or more	WS (Most)	WARNING (TAKE ACTION)	Unlikely	<25 %
51-75%	FWS (Many)	ALERT (BE PREPARED)	Likely	25 – 50 %
26-50%	SCT (Few)	WATCH (BE UPDATED)	Very Likely	50 – 75 %
Less than 25 %	ISOL	NO WARNING (NO ACTION)	Most Likely	> 75 %
Less than 2.5 mm at any places over the Sub-Division	MDRY			
0.0 mm in all the stations	DRY			
RS – Rain, TS – Thunder Shower, SQ –Squall				

