



**Government of India**  
**Ministry of Earth Sciences**  
**India Meteorological Department**  
**Regional Meteorological Centre**  
**Nagpur**

**Weekly Weather Report of Vidarbha for Week ending on 25.01.2023**

**Chief Synoptic Features (19.12.2022 to 25.01.2023):**

\*The Western Disturbance as a trough in middle tropospheric westerlies with its axis at 5.8 km above mean sea level ran roughly along 70°E to the north of 30°N. The Western Disturbance as a cyclonic circulation over Iran & neighbourhood was seen as a trough in middle tropospheric westerlies with its axis at 5.8 km above mean sea level roughly along 60°E to the north of 25°N on 19<sup>th</sup> January 2023.

\*The Western Disturbance was seen as a cyclonic circulation over north Pakistan & neighbourhood between 3.1 km & 4.5 km above mean sea level on 20<sup>th</sup> persisted on 21<sup>st</sup>, 22<sup>nd</sup>, 23<sup>rd</sup> January 2023. An induced cyclonic circulation lies over southwest Rajasthan & neighbourhood at 1.5 km above mean sea level on 20<sup>th</sup> January 2023,

\* The other Western Disturbance was seen as a cyclonic circulation over Afghanistan & neighbourhood at 5.8 km above mean sea level with trough aloft in upper tropospheric westerlies with its axis at 7.6 km above mean sea level roughly along Long. 64°E to the north of Lat. 26°N on 21<sup>st</sup> January 2023.

\* The Western Disturbance as a cyclonic circulation over east Afghanistan & neighbourhood lay over east Afghanistan & adjoining north Pakistan between 3.1 km & 9.6 km above mean sea level. The induced cyclonic circulation over southwest Rajasthan & neighbourhood lay over central parts of south Rajasthan and extending upto 1.5 km above mean sea level. A trough ran from northeast Arabia Sea to southwest Uttar Pradesh across induced cyclonic circulation over central parts of south Rajasthan at 1.5 km above mean sea level on 24<sup>th</sup> January 2023.

\* The Western Disturbance as a cyclonic circulation lay over north Pakistan & adjoining Afghanistan between 3.1 km & 7.6 km above mean sea level. ♦ The induced cyclonic circulation lay over Punjab & neighbourhood and extending upto 1.5 km above mean sea level. ♦ The trough ran from west Vidarbha to the cyclonic circulation over Punjab across West Madhya Pradesh, East Rajasthan and Haryana at 1.5 km above mean sea level on 25<sup>th</sup> January 2023.

LEGEND: Isolated Days: upto 2 days, Few days: upto 3 days, Many days: 4 to 5 days & Most days: 6 to 7 days during the week.

**RAINFALL SUMMARY**

Category of Rainfall	Week	Season
	19.01.2023 TO 25.01.2023	01.01.2023 To 25.01.2023
	Number of districts	Number of districts
LARGE EXCESS (+60% or more)	NIL	NIL
EXCESS (+20% to +59%)	NIL	NIL
NORMAL (+19% to -19%)	NIL	NIL
DEFICIENT (-20% to -59%)	NIL	NIL
LARGE DEFICIENT (-60% to -99%)	NIL	04
NO RAIN (-100%)	11	07

### Realised Maximum Temperature departure During the Week over Vidarbha:

VIDARBHA	19-Jan	20-Jan	21- Jan	22- Jan	23- Jan	24- Jan	25- Jan
TEMPERATURE DEPARTURE	AN	AN	AN	AN	N	N	AN

### Realised Minimum Temperature departure During the Week over Vidarbha:

VIDARBHA	19-Jan	20-Jan	21- Jan	22- Jan	23- Jan	24- Jan	25- Jan
TEMPERATURE DEPARTURE	N	AN	AN	AN	AN	AN	AN

### **Legend:**

Maximum and Minimum Temperature Departure	
Category	Departure from normal
Markedly below normal	-5.1°C or less
Appreciably below normal	-3.1°C to -5.0°C
Below normal	-1.6°C to -3.0°C
Normal	-1.5°C to +1.5°C
Above normal	1.6°C to 3.0°C
Appreciably above normal	3.1°C to 5.0°C
Markedly above normal	5.1°C or more

### Spatial Distribution of Realised Rainfall over Vidarbha:

SUB-DIVISION	19-Jan	20-Jan	21- Jan	22- Jan	23- Jan	24- Jan	25- Jan
SPATIAL DISTRIBUTION	DRY	DRY	DRY	DRY	DRY	DRY	DRY
ACTIVITY	WEAK	WEAK	WEAK	WEAK	WEAK	WEAK	WEAK

### **Legends :- Station Reporting Rainfall**

76 - 100	WS	Widespread / Most Places
51-75	FWS	Fairly Widespread / Many Places
26-50	SCT	Scattered / A Few Places
1-25	ISOL	Isolated
No Rain	DRY	Dry

## DISTRICTWISE WEEKLY AND SEASONAL RAINFALL FOR THE WEEK ENDING 25-01-2023:

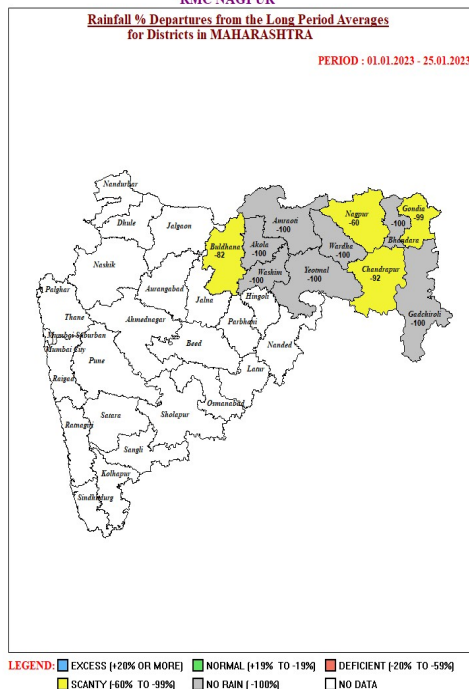
VIDARBHA	FROM 19.01.2023 TO 25.01.2023			18-01-2023	FROM 01.01.2023 TO 25.01.2023		
DISTRICTS	W_ACTUAL	W_NORMAL	W_DEP	U_ACTUAL	P_ACTUAL	P_NORMAL	P_DEP
AKOLA	0	0.8	-100	0	0	6.2	-100
AMRAOTI	0	1	-100	0	0	7.4	-100
BHANDARA	0	1	-100	0	0	9.1	-100
BULDHANA	0	0.3	-100	0.6	0.6	3.4	-82
CHANDRAPUR	0	0.9	-100	0.6	0.6	7.4	-92
GADCHIROLI	0	0.2	-100	0	0	6.7	-100
GONDIA	0	1	-100	0.1	0.1	9.4	-99
NAGPUR	0	1.5	-100	3.3	3.3	8.3	-60
WARDHA	0	1.5	-100	0	0	6.4	-100
WASHIM	0	0.2	-100	0	0	4.3	-100
YEOTMAL	0	1	-100	0	0	6.5	-100
SUBDIVISION RAINFALL	0	0.8	-100	0.5	0.5	6.7	-93

## RAINFALL MAP FOR WEEK ENDING Dt. 25.01.2023 & FOR SEASON FROM Dt. 01.01.2023 TO 25.01.2022:

### INDIA METEOROLOGICAL DEPARTMENT RMC NAGPUR



### INDIA METEOROLOGICAL DEPARTMENT RMC NAGPUR



**Cheif Amount of Rainfall during the week in cm over Vidarbha:**

**01-19-2023**

**NONE**

**01-20-2023**

**NONE**

**01-21-2023**

**NONE**

**01-22-2023**

**NONE**

**01-23-2023**

**NONE**

**01-24-2023**

**NONE**

**01-25-2023**

**NONE**

<b>Category of Rainfall</b>	<b>Light: Less than 2 cm</b>	<b>Moderate: 2-6 cm</b>
<b>Heavy: 7-11cm</b>	<b>Very Heavy:12-20 cm</b>	<b>Extremely Heavy: 21 cm or more</b>