



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

Weekly Weather Report of Vidarbha for Week ending on 15.03.2023

Chief Synoptic Features (09.03.2023 to 15.03.2023):

*The Western Disturbance as a trough in middle & upper tropospheric westerlies with its axis at

5.8 km above mean sea level ran roughly along Long. 77°E to the north of Lat. 23°N. A cyclonic circulation lied over northwest Madhya Pradesh & neighbourhood at 3.1 km above mean sea level were present on 9th March 2023

*A trough in westerlies ran from northeast Uttar Pradesh to Madhya Maharashtra across central Madhya Pradesh, Vidarbha and Marathwada between 3.1 km & 7.6 km above mean sea levels. The Western Disturbance as a trough in middle & upper tropospheric westerlies with its axis at 5.8 km above mean sea level roughly along Long. 79°E to the north of Lat. 23°N has merged with the above trough. The cyclonic circulation over northwest Madhya Pradesh & neighbourhood at 3.1 km above mean sea level had also merged with the above trough. A fresh Western Disturbance likely to affect Western Himalayan Region from the night of 12th March, 2023 on 10th March 2023

* The trough in westerlies ran from north Bihar to South Interior Karnataka across Chhattisgarh, Vidarbha, Telangana and North Interior Karnataka between 5.8 km & 7.6 km above mean sea level on 11th March 2023

*The Western Disturbance as a trough in westerlies in middle tropospheric levels with its axis at 5.8 km above mean sea level now ran roughly along Long. 62°E and to the north of 27°N. An induced cyclonic circulation were lying over south Pakistan & neighbourhood and extended upto 1.5 km above mean sea level. The trough in westerlies from north Bihar to South Interior Karnataka now ran roughly along Long. 88°E and to the north of 22°N between 3.1 km & 7.6 km above mean sea level on 12th March 2023.

*The Western Disturbance as a trough in westerlies in middle tropospheric levels with its axis at 5.8 km above mean sea level roughly along Long. 65°E and to the north of 27°N persists. The induced cyclonic circulation over south Pakistan & neighbourhood extending upto 1.5 km above mean sea level persists. The trough in westerlies roughly along Long. 89°E and to the north of 22°N between 3.1 km & 7.6 km above mean sea level persists on 13th March 2023.

*The Western Disturbance as a trough in westerlies in middle tropospheric levels with its axis at 5.8 km above mean sea level now runs roughly along Long. 75°E and to the north of 22°N. The induced cyclonic circulation over southwest Rajasthan & neighbourhood now lies over southeast Rajasthan & neighbourhood at 0.9 km above mean sea level. A trough ran from Jharkhand to Telangana across Chhattisgarh at 0.9 km above mean sea level on 14th March 2023.

*The Western Disturbance as a trough in westerlies in middle tropospheric levels with its axis at 5.8 km above mean sea level now ran roughly along Long. 82°E and to the north of 25°N. A fresh Western Disturbance as a cyclonic circulation

was present over east Iran between 3.1 km & 7.6 km above mean sea level. The induced cyclonic circulation over southeast Rajasthan & neighbourhood was over central parts of Rajasthan and extends upto 1.5 km above mean sea level. The other trough from Jharkhand to Telangana ran from Sub-Himalayan West Bengal to south Odisha across Gangetic West Bengal & Jharkhand and extended upto 1.5 km above mean sea level on 15th March 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
	09.03.2023 TO 15.03.2023	01.03.2023 To 15.03.2023
	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%)	02	07
NO RAIN (-100%)	09	04

Realised Maximum Temperature departure During the Week over Vidarbha:

VIDARBHA	09-March	10-March	11-March	12-March	13-March	14-March	15-March
TEMPERATURE DEPARTURE	N	N	N	N	AN	N	N

Realised Minimum Temperature departure During the Week over Vidarbha:

VIDARBHA	09-March	10-March	11-March	12-March	13-March	14-March	15-March
TEMPERATURE DEPARTURE	BN	N	N	N	N	N	N

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	09-March	10-March	11-March	12-March	13-March	14-March	15-March
SPATIAL DISTRIBUTION	DRY	DRY	DRY	DRY	DRY	DRY	ISOL
ACTIVITY	WEAK	WEAK	WEAK	WEAK	WEAK	WEAK	WEAK

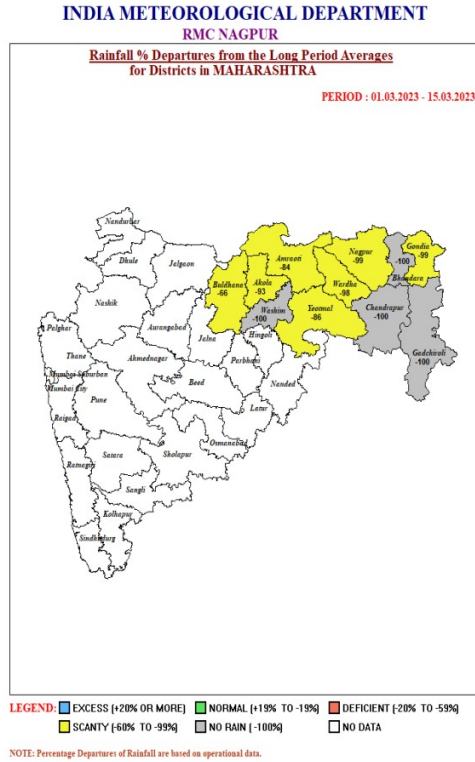
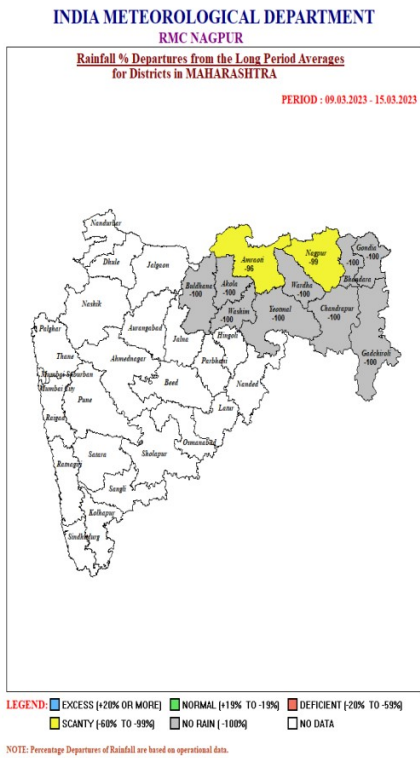
Legends :- Station Reporting Rainfall

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 15-03-2023:

VIDARBHA	FROM 09.03.2023 TO 15.03.2023			08-03-2023	FROM 01.03.2023 TO 15.03.2023		
DISTRICTS	W_ACTUAL	W_NORMAL	W_DEP	U_ACTUAL	P_ACTUAL	P_NORMAL	P_DEP
AKOLA	0	4.3	-100	0.4	0.4	6.5	-93
AMRAOTI	0.1	3.6	-96	0.9	1.1	6.6	-84
BHANDARA	0	4.5	-100	0	0	8.7	-100
BULDHANA	0	3.5	-100	1.6	1.6	4.7	-66
CHANDRAPUR	0	3.5	-100	0	0	8.2	-100
GADCHIROLI	0	3.5	-100	0	0	7.1	-100
GONDIA	0	5.6	-100	0.1	0.1	10.7	-99
NAGPUR	0	4.8	-99	0	0.1	8.9	-99
WARDHA	0	4	-100	0.1	0.1	7.7	-98
WASHIM	0	3.6	-100	0	0	6.4	-100
YEOTMAL	0	3.1	-100	0.8	0.8	5.4	-86
SUBDIVISION RAINFALL	0	3.8	-99	0.4	0.5	7.1	-94

RAINFALL MAP FOR WEEK ENDING Dt. 15.03.2023 & FOR SEASON FROM Dt. 01.03.2023 TO 15.03.2023:



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

03-09-2023
NONE

03-10-2023
NONE

03-11-2023
NONE

03-12-2023
NONE

03-13-2023
NONE

03-14-2023
NONE

03-15-2023
NONE

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

