

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

### Weekly Weather Report of Vidarbha for Week ending on 16.04.2025

#### Chief Synoptic Features (10.04.2025 – 16.04.2025):

\*The Low-pressure area over westcentral Bay of Bengal persisted on 10th April, 2025 with the associated cyclonic circulation extending upto middle tropospheric levels. The upper air cyclonic circulation over northwest Madhya Pradesh & neighbourhood persisted and was seen at 0.9 km above mean sea level. The trough from west Rajasthan to northwest Vidarbha across Madhya Pradesh ran from west Rajasthan to Marathwada across west Madhya Pradesh at 0.9 km above mean sea level. A trough in middle and upper tropospheric westerlies with its axis at 5.8 km above mean sea level ran roughly along Long. 77°E and to the north of Lat. 21°N on 10<sup>th</sup> April 2025.

\* The Low-pressure area over westcentral Bay of Bengal has become less marked. However, the associated cyclonic circulation persisted over the same area and extends upto 1.5 km above mean sea level. The upper air cyclonic circulation over northwest Madhya Pradesh & neighbourhood at 0.9 km above mean sea level persisted. The trough from west Rajasthan to north Vidarbha runs from west Rajasthan to Coastal Andhra Pradesh across East Rajasthan, cyclonic circulation over northwest Madhya Pradesh and Vidarbha at 0.9 km above mean sea level on 12<sup>th</sup> April 2025.

\* The upper air cyclonic circulation over northwest Madhya Pradesh & neighbourhood lay over northeast Madhya Pradesh at 0.9 km above mean sea level. The trough from northeast Madhya Pradesh to Bangladesh ran from above cyclonic circulation over northeast Madhya Pradesh to Gangetic West Bengal across Jharkhand at 0.9 km above mean sea level. A trough ran from above cyclonic circulation over northeast Madhya Pradesh & neighbourhood to northeast Telangana across Chhattisgarh at 0.9 km above mean sea level. The trough from west Rajasthan to Coastal Andhra Pradesh across East Rajasthan, northwest Madhya Pradesh and Vidarbha at 0.9 km above mean sea level has become less marked on 13<sup>th</sup> April 2025.

\*An upper air cyclonic circulation over southeast Madhya Pradesh at 0.9 km above mean sea level. The trough from the above cyclonic circulation over southeast Madhya Pradesh & neighbourhood to central parts of Telangana across Vidarbha at 0.9 km. The trough from the central parts of West Rajasthan to cyclonic circulation southeast Madhya Pradesh across northeast Rajasthan, northwest Madhya Pradesh at 0.9 km above mean sea level on 13<sup>th</sup> April 2025.

\* The Western Disturbance as a trough in middle to upper tropospheric levels with its axis at 5.8 km above mean sea level now runs roughly along Long. 83°E to north of Lat. 20°N. A trough runs from West Rajasthan to Gulf of Mannar across East Rajasthan, West Madhya Pradesh, Vidarbha, Marathwada, interior Karnataka, Tamil Nadu at 0.9 km above mean sea level. The trough from southeast Madhya Pradesh to central parts of Telangana across Vidarbha at 0.9 km has merged with the above trough. The trough from central parts of west Rajasthan to southeast Madhya Pradesh has also merged with the above trough. An upper air cyclonic circulation lies over northeast Madhya Pradesh & neighbourhood at 1.5 km above mean sea level. A trough runs from above cyclonic circulation over northeast Madhya Pradesh to south coastal Odisha across Chhattisgarh at 1.5 km above mean sea level on 14<sup>th</sup> April 2025.

\* The upper air cyclonic circulation over northeast Madhya Pradesh & neighbourhood now lies over central part of south Madhya Pradesh & neighbourhood and extends upto 1.5 km above mean sea level. The trough from above cyclonic circulation over northeast Madhya Pradesh to south coastal Odisha now runs above cyclonic circulation over central part of south Madhya Pradesh to south Gangetic West Bengal across Chhattisgarh, Jharkhand & Odisha and extends upto 1.5 km above mean sea level. The trough from West Rajasthan to Gulf of Mannar now runs from the above cyclonic circulation over central part of south Madhya Pradesh to South Interior Karnataka across Vidarbha, Marathwada & North Interior Karnataka and extends upto 1.5 km above mean sea level on 15<sup>th</sup> April 2025.

\* A trough runs from above cyclonic circulation over southwest Rajasthan & neighbourhood to Gulf of Mannar across East Rajasthan, West Madhya Pradesh, Marathwada, InteriorKarnataka, Rayalaseema & Tamil Nadu at 0.9 km above mean sea level. An upper air cyclonic circulation lies over East Madhya Pradesh & neighbourhood at 1.5 km above mean sea level. A trough runs from above cyclonic circulation over East Madhya Pradesh to Gangetic WestBengal across Chhattisgarh, Jharkhand and extends upto 1.5 km above mean sea level. The trough from south Madhya Pradesh to South Interior Karnataka now runs from the abovecyclonic circulation over east Madhya Pradesh to South Interior Karnataka across Marathwada& North Interior Karnataka and extends upto 1.5 km above mean sea level on 16<sup>th</sup> April 2025.

\*Very light to moderate rainfall at few places, Hailstorm / Thunderstorm with lightning, Gusty winds was observed at isolated places over Vidarbha on 10<sup>th</sup> April 2025.

\* Very light to moderate rainfall at few places, Thunderstorm with lightning, Gusty winds was observed at isolated places over Vidarbha on 11<sup>th</sup> April 2025.

\* Very light to light rainfall occurred at isolated places over Vidarbha. Thunderstorm with lightning, Gusty winds observed at isolated places over Vidarbha on 12<sup>th</sup> April 2025.

\* Very light to light rainfall occurred at isolated places over Vidarbha on 13<sup>th</sup> April 2025.

\* Very light rainfall occurred at isolated places over Vidarbha. Thunderstorm with lightning, Gusty winds observed at isolated places over Vidarbha on 14<sup>th</sup> April 2025.

\*Trace rainfall realised over Vidarbha. Thunderstorm accompanied with lightning and Gusty winds observed at isolated places over Vidarbha on 15<sup>th</sup> April 2025.

\* Very light rainfall occurred at isolated places over Vidarbha. Hailstorm observed in few places over Vidarbha. Thunderstorm with lightning, Gusty winds observed at isolated places over Vidarbha on 16<sup>th</sup> April 2025.

### **RAINFALL SUMMARY**

<b>Category of Rainfall</b>	<b>Week</b>	<b>Season</b>
	<b>10.04.2025 TO 16.04.2025</b>	<b>01.03.2025 to 16.04.2025</b>
	<b>Number of districts</b>	<b>Number of districts</b>
<b>LARGE EXCESS (+60% or more)</b>	<b>03</b>	<b>02</b>
<b>EXCESS (+20% to +59%)</b>	<b>NIL</b>	<b>02</b>
<b>NORMAL (+19% to -19%)</b>	<b>NIL</b>	<b>NIL</b>
<b>DEFICIENT (-20% to -59%)</b>	<b>01</b>	<b>02</b>
<b>LARGE DEFICIENT (-60% to -99%)</b>	<b>NIL</b>	<b>02</b>
<b>NO RAIN (-100%)</b>	<b>04</b>	<b>NIL</b>
<b>NO DATA</b>	<b>03</b>	<b>03</b>

### **Realised Maximum Temperature departure During the Week over Vidarbha 10.04.2025 TO 16.04.2025:**

<b>VIDARBHA</b>	<b>10-April - 2025</b>	<b>11-April - 2025</b>	<b>12-April - 2025</b>	<b>13-April - 2025</b>	<b>14-April - 2025</b>	<b>15-April - 2025</b>	<b>16-April - 2025</b>
<b>TEMPERATURE DEPARTURE</b>	AN	N	N	N	N	N	AN

### **Realised Minimum Temperature departure During the Week over Vidarbha 10.04.2025 TO 16.04.2025:**

<b>VIDARBHA</b>	<b>10-April - 2025</b>	<b>11-April - 2025</b>	<b>12-April - 2025</b>	<b>13-April - 2025</b>	<b>14-April - 2025</b>	<b>15-April - 2025</b>	<b>16-April - 2025</b>
<b>TEMPERATURE DEPARTURE</b>	N	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:**

VIDARBHA	10-April -2025	11-April -2025	12-April -2025	13-April -2025	14-April -2025	15-April -2025	16-April -2025
SPATIAL DISTRIBUTION	SCT	SCT	DRY	DRY	DRY	DRY	ISOL
ACTIVITY	Normal	Normal	Weak	Weak	Weak	Weak	Weak

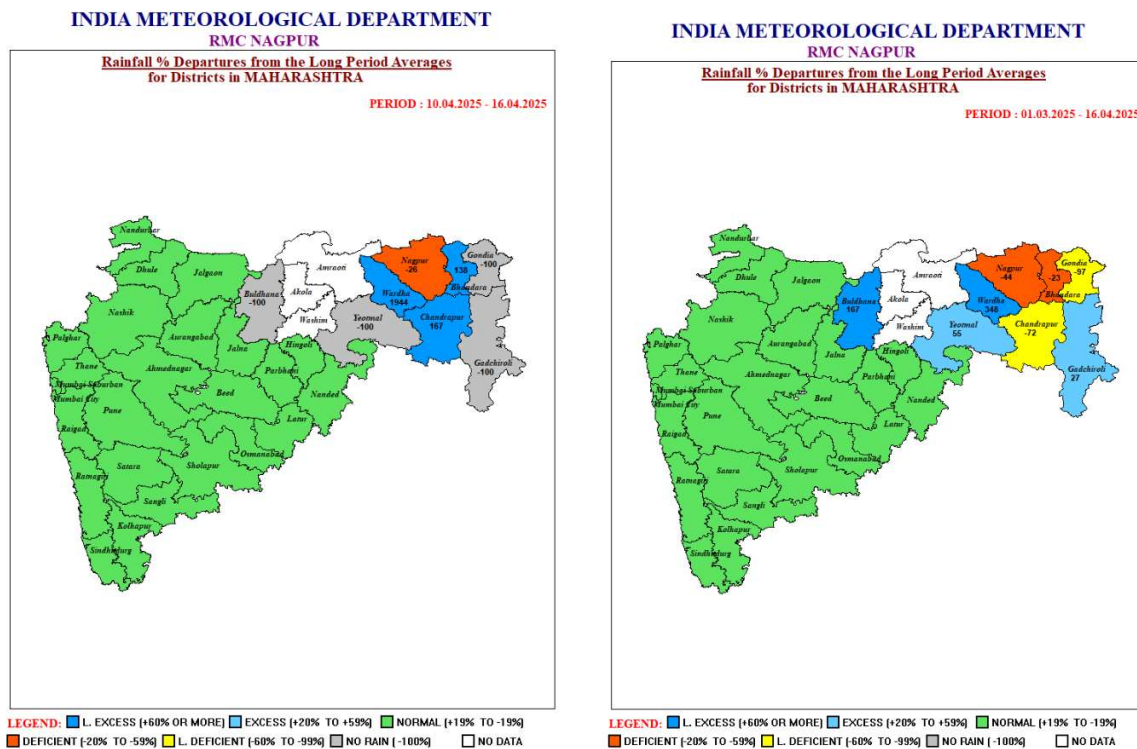
**Legends :- Station Reporting Rainfall**

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 16.04.2025:**

VIDARBHA	10.04.2025 TO 16.04.2025				01.03.2025 to 16.04.2025		
DISTRICTS	W_ACTUAL	W_NORMAL	W_DEP	U_ACTUAL	P_ACTUAL	P_NORMAL	P_DEP
AKOLA		0.9				11.1	
AMRAOTI		0.8				10.5	
BHANDARA	5	2.1	138	8.4	13.4	17.3	-23
BULDHANA	0	1.2	-100	21.1	21.1	7.9	167
CHANDRAPUR	4	1.5	167	0.8	4.8	17.1	-72
GADCHIROLI	0	2.3	-100	20	20	15.7	27
GONDIA	0	3.5	-100	0.7	0.7	21.5	-97
NAGPUR	2	2.7	-26	8.2	10.2	18.2	-44
WARDHA	18.4	0.9	1944	43	61.4	13.7	348
WASHIM		1.3				13	
YEOTMAL	0	1.3	-100	18	18	11.6	55
SUBDIVISION RAINFALL	2.7	1.7	59	15.3	18	14	28

## RAINFALL MAP FOR WEEK ENDING Dt. 16.04.2025 & FOR SEASON FROM Dt.01.03.2025 TO 16.04.2025:



### Chief Amount of Rainfall during the week in cm over Vidarbha:

**04/10/2025:** Wardha (dist Wardha) 1  
**04/11/2025:** Korpana (dist Chandrapur) 1, Tumsar (dist Bhandara) 1  
**04/12/2025**  
 NONE  
**04/13/2025**  
 NONE  
**04/14/2025**  
 NONE  
**04/15/2025**  
 NONE  
**04/16/2025**  
 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