



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

Weekly Weather Report of Vidarbha for Week ending on 20.09.2023

Chief Synoptic Features (14.09.2023 to 20.09.2023):

* The Well Marked Low Pressure Area over Northwest Bay of Bengal off North Odisha West Bengal coasts lay over Northwest Bay of Bengal & adjoining North Odisha West Bengal coasts. The associated cyclonic circulation extended upto 7.6 km above mean sea level tilting southwestwards with height. It was likely to move across Odisha and Chhattisgarh during next 2 days. The Monsoon Trough at mean sea level passed through Bikaner, Shivpuri, Sidhi, Jamshedpur and thence Southeastwards to the centre of Well Marked Low Pressure Area over Northwest Bay of Bengal & adjoining north Odisha-West Bengal coasts. The cyclonic circulation over southeast Uttar Pradesh & adjoining northeast Madhya Pradesh at 0.9 km above mean sea level persisted. The trough ran from northeast Rajasthan to centre of Well Marked Low Pressure Area over Northwest Bay of Bengal & adjoining North Odisha-West Bengal coasts across northwest Madhya Pradesh, southeast Uttar Pradesh, Jharkhand at 1.5 km above mean sea level on 14th September 2023.

* The Well Marked Low Pressure Area over north Chhattisgarh & neighbourhood lay over East Madhya Pradesh & neighbourhood with the associated cyclonic circulation extending upto 7.6 km above mean sea level tilting southwestwards with height. It was likely to move across West Madhya Pradesh & Gujarat during next 3-4 days. The Monsoon Trough at mean sea level passed through Bikaner, Kota, Raisen, centre of Well Marked Low Pressure Area over East Madhya Pradesh & neighbourhood, Sambalpur, Digha and thence east-southeastwards to Northeast Bay of Bengal. The trough ran from southwest Rajasthan to north coastal Odisha across the cyclonic circulation associated with Well Marked Low Pressure Area over East Madhya Pradesh & Chhattisgarh at 1.5 km above mean sea level. A trough ran from South Konkan to cyclonic circulation associated with Well Marked Low Pressure Area over East Madhya Pradesh across Madhya Maharashtra between 3.1 & 5.8 km above mean sea level on 15th September 2023.

* The Well Marked Low Pressure Area over East Madhya Pradesh & neighbourhood lay over Westcentral Madhya Pradesh & neighbourhood. The associated cyclonic circulation extended upto 7.6 km above mean sea level. It was likely to move westnorthwestwards across northern parts of Gujarat region & adjoining southeast Rajasthan during next 2 days. The Monsoon Trough passed through Jaisalmer, Kota, centre of Well Marked Low Pressure Area over Westcentral Madhya Pradesh & neighbourhood, Pendra Road, Jamshedpur, Digha and thence east-outheastwards to Northeast Bay of Bengal and extended upto 3.1 km above mean sea level. The trough from southwest Rajasthan to north coastal Odisha across the cyclonic circulation associated with Well Marked Low Pressure Area over central Madhya Pradesh & neighbourhood at 1.5 km above mean sea level had merged with the Monsoon Trough on 16th September 2023.

* The Well Marked Low Pressure Area over Southeast Rajasthan & adjoining West Madhya Pradesh was seen as a Low Pressure Area over the same region and the associated cyclonic circulation extended upto 7.6 km above mean sea level. It was likely to move gradually over southwest Rajasthan during next 2 days. The Monsoon Trough at mean sea level passed through Jaisalmer, centre of Low Pressure Area over Southeast Rajasthan & adjoining West Madhya Pradesh, Sagar, Daltonganj, Jamshedpur, Digha and thence east-southeastwards to Northeast Bay of Bengal on 17th September 2023.

* The Low Pressure Area over Southeast Rajasthan & neighbourhood had become less marked. However, the associated cyclonic circulation lay over East Rajasthan & neighbourhood & extended upto 7.6 km above mean sea level tilting southwestwards with height. A trough ran from cyclonic circulation over southeast Rajasthan to northeast Arabian Sea and extended upto 1.5 km above mean sea level. The Monsoon Trough at mean sea level passed through Jaisalmer, Ajmer, Shivpuri, Sidhi, Daltonganj, Digha and thence southeast to Eastcentral Bay of Bengal. The cyclonic circulation over Eastcentral & adjoining Northeast Bay of Bengal lay over Northeast & adjoining Eastcentral Bay of Bengal and extended upto 5.8 km above mean sea level. Under its influence, a Low Pressure Area was likely to form over northwest Bay of Bengal & neighbourhood during next 48 hours as on 18th September 2023.

* Under the influence of the cyclonic circulation over Northwest & adjoining Central Bay of Bengal, a Low Pressure Area had formed over northwest Bay of Bengal off West Bengal-Odisha coasts. Associated cyclonic circulation extended upto 7.6 km above mean sea level tilting southwestwards with height. It was likely to move west-northwestwards across North Odisha & South Jharkhand during next 2 days. The Monsoon Trough at mean sea level passed through Jaisalmer, Kota, Guna, Siddhi, Ranchi and the centre of Low Pressure Area over northwest Bay of Bengal off West Bengal-Odisha coasts and thence southeastwards to Eastcentral Bay of Bengal on 19th September 2023.

* The Low Pressure Area over northwest Bay of Bengal & adjoining West Bengal-north Odisha coasts and the associated cyclonic circulation extending upto 7.6 km above mean sea level tilting southwestwards with height persisted. It was likely to move northwestwards across Jharkhand during next 2 days. The cyclonic circulation over Southwest Rajasthan & neighbourhood lay over Kutch & neighbourhood and extended upto 5.8 km above mean sea level. A trough ran from the above cyclonic circulation to Punjab across west Rajasthan and extended upto 1.5 km above mean sea level. The Monsoon Trough at mean sea level passed through Jaisalmer, Udaipur, Ratlam, Siddhi, Ranchi, Digha, the centre of Low Pressure Area over northwest Bay of Bengal & adjoining West Bengal-north Odisha coasts and thence southeastwards to Eastcentral Bay of Bengal on 20th September 2023.

* Monsoon was ACTIVE over Vidarbha on 14th, 15th, 16th September 2023 and WEAK on 17th, 18th, 19th, 20th September 2023.

* Very heavy rainfall occurred at isolated places over Vidarbha on 15th, 16th September 2023 and heavy rainfall occurred at isolated places on 14th, 15th, 16th September 2023.

* Light to moderate rainfall occurred at most places over Vidarbha on 14th, 15th, 16th September 2023, at many places on 17th September 2023, at few places on 18th September 2023 and at isolated places on 19th, 20th September 2023.

* Thunderstorm & lightning occurred at isolated places over Vidarbha on 14th, 15th, 16th, 18th September 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
	14.09.2023 TO 20.09.2023	01.06.2023 To 20.09.2023
	Number of districts	Number of districts
LARGE EXCESS (+60% or more)	04	NIL
EXCESS (+20% to +59%)	03	NIL
NORMAL (+19% to -19%)	01	08
DEFICIENT (-20% to -59%)	02	03
LARGE DEFICIENT (-60% to -99%)	01	NIL
NO RAIN (-100%)	NIL	NIL

Realised Maximum Temperature departure During the Week over Vidarbha:

VIDARBHA	14-SEP	15-SEP	16-SEP	17-SEP	18-SEP	19-SEP	20-SEP
TEMPERATURE DEPARTURE	ABN	MBN	ABN	N	N	N	AN

Realised Minimum Temperature departure During the Week over Vidarbha:

VIDARBHA	14-SEP	15-SEP	16-SEP	17-SEP	18-SEP	19-SEP	20-SEP
TEMPERATURE DEPARTURE	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:

SUB-DIVISION	14-SEP	15-SEP	16-SEP	17-SEP	18-SEP	19-SEP	20-SEP
SPATIAL DISTRIBUTION	WS	WS	WS	FWS	SCT	ISOL	ISOL
ACTIVITY	ACTIVE	ACTIVE	ACTIVE	WEAK	WEAK	WEAK	WEAK

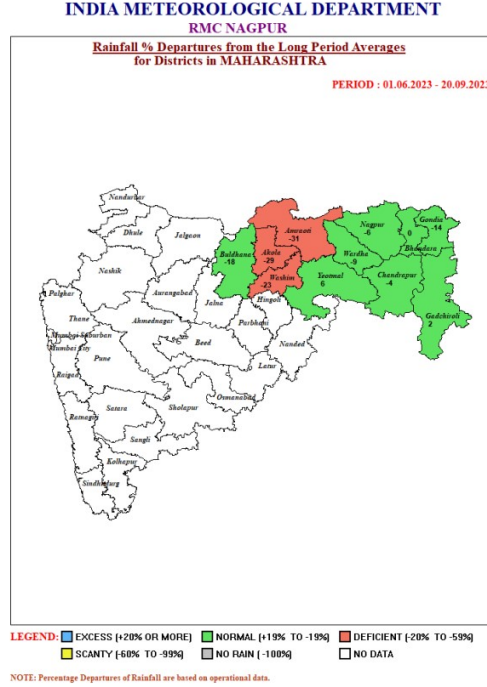
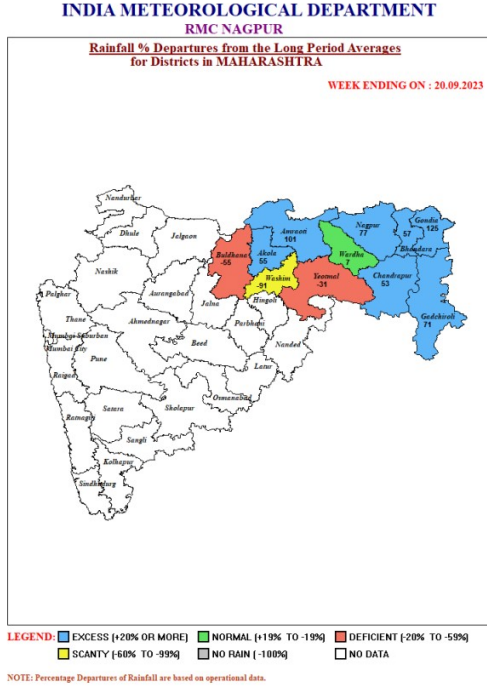
Legends :- Station Reporting Rainfall

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 20.09.2023:

VIDARBHA	FROM 14.09.2023 TO 20.09.2023			13.09.2023	FROM 01.06.2023 TO 20.09.2023		
DISTRICTS	W_ACTUAL	W_NORMAL	W_DEP	U_ACTUAL	P_ACTUAL	P_NORMAL	P_DEP
AKOLA	32.6	21	55	435.4	468	660.5	-29
AMRAOTI	59.2	29.5	101	484.4	543.6	785.9	-31
BHANDARA	57	36.2	57	991.4	1048.3	1047.6	0
BULDHANA	12	26.9	-55	492.4	504.5	612.5	-18
CHANDRAPUR	48.4	31.6	53	952.6	1001	1038.7	-4
GADCHIROLI	65	38.1	71	1206.7	1271.7	1249.8	2
GONDIA	95	42.2	125	924.2	1019.1	1179.2	-14
NAGPUR	61.4	34.7	77	789.9	851.3	904	-6
WARDHA	33.3	31.2	7	696.5	729.9	802.8	-9
WASHIM	3.2	35.1	-91	566.4	569.6	738.8	-23
YEOTMAL	21	30.3	-31	804.9	825.9	775.9	6
SUBDIVISION RAINFALL	44.7	32.3	38	783	827.7	901.2	-8

RAINFALL MAP FOR WEEK ENDING Dt. 20.09.2023 & FOR SEASON FROM Dt. 01.06.2023 TO 20.09.2023:



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

VIDARBHA

09-14-2023: Sironcha (dist Gadchiroli) 9, Deori (dist Gondia) 8, Ahiri (dist Gadchiroli) 5, Sadakarjuni (dist Gondia) 4, Chimur (dist Chandrapur) 3, Pombhurna (dist Chandrapur) 3, Wani (dist Yeotmal) 3, Gondpipri (dist Chandrapur) 3, Salekasa (dist Gondia) 3, Mul (dist Chandrapur) 3, Maregaon (dist Yeotmal) 2, Kalamb (dist Yeotmal) 2, Sindewahi (dist Chandrapur) 2, Amgaon (dist Gondia) 2, Korpana (dist Chandrapur) 2, Samudrapur (dist Wardha) 2, Ralegaon (dist Yeotmal) 2, Goregaon (dist Gondia) 2, Chandrapur (dist Chandrapur) 2, Rajura (dist Chandrapur) 2, Korchi (dist Gadchiroli) 2, Hinganghat (dist Wardha) 2, Arjuni Morgaon (dist Gondia) 2, Tirora (dist Gondia) 2, Chamorshi (dist Gadchiroli) 2, Gondia (dist Gondia) 2, Bhadravati (dist Chandrapur) 2, Deoli (dist Wardha) 2, Warora (dist Chandrapur) 2, Bhiwapur (dist Nagpur) 2, Pandherikawara (dist Yeotmal) 2, Babulgaon (dist Yeotmal) 1, Ballarpur (dist Chandrapur) 1, Umrer (dist Nagpur) 1, Zarizamni (dist Yeotmal) 1, Ghatanji (dist Yeotmal) 1, Tumsar (dist Bhandara) 1, Wardha (dist Wardha) 1, Saoli (dist Chandrapur) 1, Mulchera (dist Gadchiroli) 1, Bhamragad (dist Gadchiroli) 1, Etapalli (dist Gadchiroli) 1, Dhanora (dist Gadchiroli) 1, Murtajapur (dist Akola) 1, Lakhandur (dist Bhandara) 1, Selu (dist Wardha) 1, Sakoli (dist Bhandara) 1, Gadchiroli (dist Gadchiroli) 1, Karanjlad (dist Washim) 1, Mohadi (dist Bhandara) 1

09-15-2023: Gondia Ap (dist Gondia) 12, Gondia (dist Gondia) 10, Tumsar (dist Bhandara) 6, Perseoni (dist Nagpur) 6, Sadakarjuni (dist Gondia) 5, Mulchera (dist Gadchiroli) 5, Tirora (dist Gondia) 5, Amgaon (dist Gondia) 5, Ramtek (dist Nagpur) 5, Gadchiroli (dist Gadchiroli) 5, Sindewahi (dist Chandrapur) 5, Warora (dist Chandrapur) 5, Korchi (dist Gadchiroli) 5, Mul (dist Chandrapur) 5, Kuhi (dist Nagpur) 4, Salekasa (dist Gondia) 4, Arjuni Morgaon (dist Gondia) 4, Dhanora (dist Gadchiroli) 4, Maregaon (dist Yeotmal) 3, Mohadi (dist Bhandara) 3, Saoner (dist Nagpur) 3, Goregaon (dist Gondia) 3, Desaiganj (dist Gadchiroli) 3, Kamptee (dist Nagpur) 3, Bhandara (dist Bhandara) 3, Bhadravati (dist Chandrapur) 3, Armori (dist Gadchiroli) 3, Saoli (dist Chandrapur) 3, Chamorshi (dist Gadchiroli) 3, Wani (dist Yeotmal) 3, Pauni (dist Bhandara) 3, Pombhurna (dist Chandrapur) 3, Kurkheda (dist Gadchiroli) 3, Gondpipri (dist Chandrapur) 3, Deori (dist Gondia) 2, Nagbhir (dist Chandrapur) 2, Chandrapur (dist Chandrapur) 2, Lakhandur (dist Bhandara) 2, Chimur (dist Chandrapur) 2, Nagpur Aerodrome (dist Nagpur) 2, Umrer (dist Nagpur) 2, Bhiwapur (dist Nagpur) 2, Korpana (dist Chandrapur) 2, Ballarpur (dist Chandrapur) 2, Zarizamni (dist Yeotmal) 2, Lakhani (dist Bhandara) 2, Chikhaldia (dist Amraoti) 2, Rajura (dist Chandrapur) 2, Dharni (dist Amraoti) 2, Buldana (dist Buldhana) 2, Sakoli (dist Bhandara) 1, Kalmeshwar (dist

Nagpur) 1, Samudrapur (dist Wardha) 1, Warud (dist Amraoti) 1, Narkheda (dist Nagpur) 1, Bramhapuri (dist Chandrapur) 1, Etapalli (dist Gadchiroli) 1, Akot (dist Akola) 1, Ahiri (dist Gadchiroli) 1, Telhara (dist Akola) 1, Pandherikawara (dist Yeotmal) 1, Katol (dist Nagpur) 1, Ralegaon (dist Yeotmal) 1, Hinganghat (dist Wardha) 1, Hingna (dist Nagpur) 1, Akola (dist Akola) 1, Bhamragad (dist Gadchiroli) 1, Kharangha (dist Wardha) 1, Wardha (dist Wardha) 1, Joiti (dist Chandrapur) 1, Ashti (dist Wardha) 1

09-16-2023: Chikhaldra (dist Amraoti) 20, Dharni (dist Amraoti) 8, Chandur Bazar (dist Amraoti) 8, Saoner (dist Nagpur) 7, Warud (dist Amraoti) 6, Morsi (dist Amraoti) 6, Ramtek (dist Nagpur) 5, Paratwada (dist Amraoti) 5, Narkheda (dist Nagpur) 5, Anjangaon (dist Amraoti) 5, Perseoni (dist Nagpur) 4, Telhara (dist Akola) 4, Akot (dist Akola) 4, Mohadi (dist Bhandara) 4, Tumsar (dist Bhandara) 4, Kalmeshwar (dist Nagpur) 4, Kharangha (dist Wardha) 4, Ashti (dist Wardha) 3, Desaiganj (dist Gadchiroli) 3, Katol (dist Nagpur) 3, Mulchera (dist Gadchiroli) 3, Batkuli (dist Amraoti) 3, Kamptee (dist Nagpur) 3, Mauda (dist Nagpur) 3, Daryapur (dist Amraoti) 3, Tirora (dist Gondia) 2, Agriculture College (dist Nagpur) 2, Dhanora (dist Gadchiroli) 2, Amraoti (dist Amraoti) 2, Gadchiroli (dist Gadchiroli) 2, Buldana (dist Buldhana) 2, Tiwsa (dist Amraoti) 2, Gondia (dist Gondia) 1, Nagpur Aerodrome (dist Nagpur) 1, Bhandara (dist Bhandara) 1, Goregaon (dist Gondia) 1, Gondia Ap (dist Gondia) 1, Amgaon (dist Gondia) 1, Murtajapur (dist Akola) 1, Hingna (dist Nagpur) 1, Etapalli (dist Gadchiroli) 1, Korchi (dist Gadchiroli) 1, Bhamragad (dist Gadchiroli) 1, Sindewahi (dist Chandrapur) 1, Arvi (dist Wardha) 1, Kuhi (dist Nagpur) 1, Chandur Rly (dist Amraoti) 1, Saoli (dist Chandrapur) 1

09-17-2023: Mulchera (dist Gadchiroli) 2, Dharni (dist Amraoti) 1, Kuhi (dist Nagpur) 1, Desaiganj (dist Gadchiroli) 1

09-18-2023: Shegaon (dist Buldhana) 1, Balapur (dist Akola) 1

09-19-2023: None

09-20-2023: Hingna (dist Nagpur) 1

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