



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

Weekly Weather Report of Vidarbha for Week ending on 25.09.2024

Chief Synoptic Features (19-09-2024 to 25-09-2024):

❖ The Monsoon trough at mean sea level passed through Jaisalmer, Kota, Sidhi, Ranchi, Digha and thence southeastwards to eastcentral Bay of Bengal. The cyclonic circulation over northwest Madhya Pradesh & neighbourhood lay over southeast Rajasthan & neighbourhood and extended upto 5.8 km above mean sea level on 19th September 2024.

❖ Conditions are became favourable for withdrawal of Southwest Monsoon from parts of West Rajasthan and Kachchh around from 23rd September. The Monsoon trough at mean sea level passed through Bikaner, Shivpuri, Sidhi, Jamshedpur, Digha and thence southeastwards to eastcentral Bay of Bengal. The cyclonic circulation over southeast Rajasthan & neighbourhood lay over northeast Rajasthan extending upto 3.1 km above mean sea level tilting southwestwards with height. A cyclonic circulation lay over westcentral & adjoining southwest Bay of Bengal between 3.1 and 5.8 km above mean sea level on 20th September 2024.

❖ Conditions are became favourable for withdrawal of Southwest Monsoon from parts of West Rajasthan and Kachchh around from 23rd September. The Monsoon trough at mean sea level now passes through Bikaner, Guna, Mandla, Rajnandgaon, Gopalpur and thence southeastwards to westcentral Bay of Bengal. Embedded with an East-West shear zone, yesterday's upper air cyclonic circulation over westcentral Bay of Bengal & adjoining southwest Bay of Bengal lay over westcentral Bay of Bengal and extends upto mid tropospheric levels. Another upper air cyclonic circulation lay over northern parts of Thailand & neighbourhood and extends upto mid tropospheric levels. The later upper air cyclonic circulation is likely to move west-northwestwards on 21st September 2024.

❖ Conditions are became favourable for withdrawal of Southwest Monsoon from parts of West Rajasthan and Kachchh around from 23rd September. The Monsoon trough at mean sea level passed through Bikaner, Guna, Sagar, Bilaspur, Chandbali and thence southeastwards to westcentral Bay of Bengal. An east-west trough runs from Andhra Pradesh coast to south coastal Myanmar with two embedded upper air cyclonic circulations, one over Westcentral Bay of Bengal and another over south coastal Myanmar & neighbourhood and extends upto 5.8 Km above mean sea level on 22nd September 2024.

❖ Southwest monsoon had withdrawn from some parts of West Rajasthan and Kachchh, today, the 23rd September, 2024 against the normal date of 17th September. The embedded upper air cyclonic circulations, one over Westcentral Bay of Bengal and another over south Coastal Myanmar & neighbourhood in the east-west trough has merged and seen as a cyclonic circulation over Central Bay of Bengal extending upto 5.8 Km above mean sea level tilting southwestwards with height on 23rd September 2024.

❖ Southwest monsoon had further withdrawn from some more parts of Rajasthan & Gujarat, some parts of Punjab & Haryana today, On 24th September, 2024. The line of withdrawal of southwest monsoon now passes through Firozpur, Sirsa, Churu, Ajmer, Mount Abu, Deesa, Surendranagar, Junagarh. The associated cyclonic circulation extended upto 7.6 km above mean sea level tilting southwestwards with height. A shear zone ran roughly along 16° N over north peninsular India between 3.1 km to 7.6 km above mean sea level tilting southwards with height on 24th September 2024.

❖ The line of withdrawal of southwest monsoon continued to pass through Firozpur, Sirsa, Churu, Ajmer, Mount Abu, Deesa, Surendranagar, Junagarh and 21°N/70°E. The low pressure area over Westcentral & adjoining Northwest Bay of Bengal off north Andhra Pradesh-south Odisha coasts moved westnorthwestwards and has become less marked. However, the associated cyclonic circulation now lies over south Chhattisgarh & neighbourhood and extends upto 5.8 km above mean sea level tilting southwards with height. A trough runs from north Konkan to south Bangladesh across the above cyclonic circulation over south Chhattisgarh and extends upto 5.8 km above mean sea level tilting southwards with height. The shear zone roughly along 16°N over north peninsular India between 3.1 km to 7.6 km above mean sea level tilting southwards with height has merged with the above trough on 25th September 2024.

* Light to moderate rainfall occurred at few places over Vidarbha on 19th September 2024, at isolated places on 20th September 2024, at many places on 21st September 2024, at most places over 22nd to 25th September 2024.

* Thunderstorm & lightning occurred at isolated places over Vidarbha on 21st to 25th September 2024.

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
	19-09-2024 to 25-09-2024	01-06-2024 to 25-09-2024
	Number of districts	Number of districts
LARGE EXCESS (+60% or more)	02	NIL
EXCESS (+20% to +59%)	04	03
NORMAL (+19% to -19%)	03	08
DEFICIENT (-20% to -59%)	02	NIL
LARGE DEFICIENT (-60% to -99%)	NIL	NIL
NO RAIN (-100%)	NIL	NIL

Realised Maximum Temperature departure During the Week over Vidarbha:

VIDARBHA	19-SEP-2024	20-SEP-2024	21-SEP-2024	22-SEP-2024	23-SEP-2024	24-SEP-2024	25-SEP-2024
TEMPERATURE DEPARTURE	N	AN	AN	AN	N	BN	N

Realised Minimum Temperature departure During the Week over Vidarbha:

VIDARBHA	19-SEP-2024	20-SEP-2024	21-SEP-2024	22-SEP-2024	23-SEP-2024	24-SEP-2024	25-SEP-2024
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	19-SEP-2024	20-SEP-2024	21-SEP-2024	22-SEP-2024	23-SEP-2024	24-SEP-2024	25-SEP-2024
SPATIAL DISTRIBUTION	SCT	ISOL	FWS	WS	WS	WS	WS
ACTIVITY	WEAK	WEAK	WEAK	NORMAL	ACTIVE	ACTIVE	ACTIVE

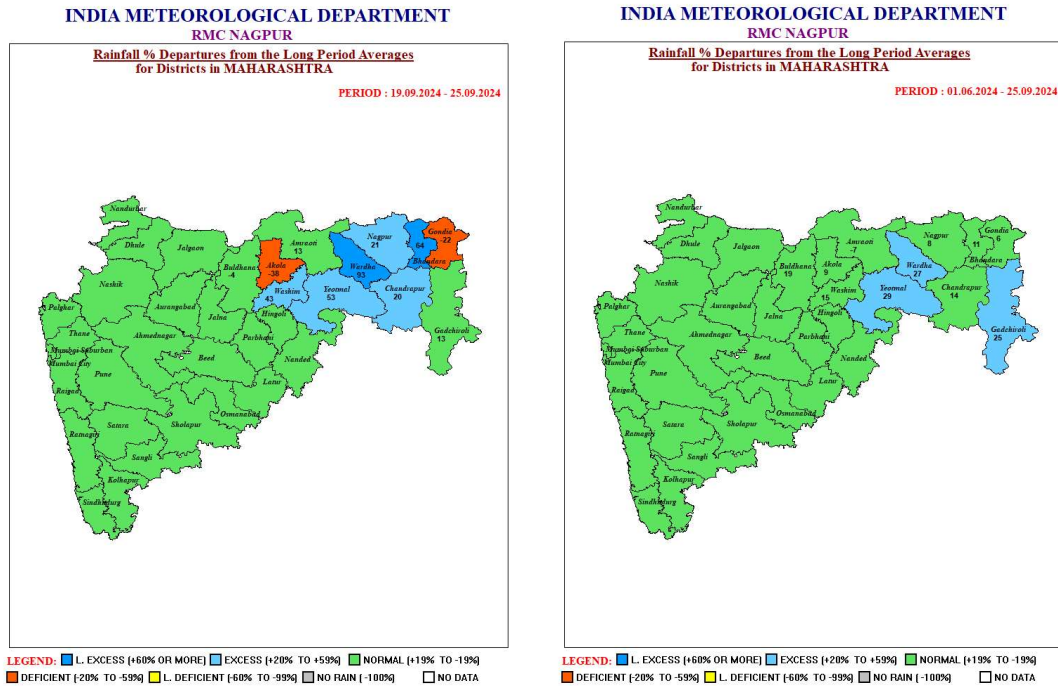
Legends :- Station Reporting Rainfall

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 25-09-2024:

VIDARBHA	FROM 19-09-2024 to 25-09-2024			18.09.2024	FROM 01.06.2024 TO 25.09.2024		
DISTRICTS	W_ACTUAL	W_NORMAL	W_DEP	U_ACTUAL	P_ACTUAL	P_NORMAL	P_DEP
AKOLA	17.4	28.2	-38	728.3	745.7	682.9	9
AMRAOTI	34.5	30.5	13	720.1	754.6	809.6	-7
BHANDARA	45.7	27.9	64	1139.7	1185.4	1069.8	11
BULDHANA	29.5	30.6	-4	728	757.5	636.9	19
CHANDRAPUR	35.3	29.5	20	1177.1	1212.4	1061.2	14
GADCHIROLI	36.4	32.2	13	1558	1594.4	1272.7	25
GONDIA	22.4	28.8	-22	1246.9	1269.3	1199	6
NAGPUR	33.2	27.5	21	964.8	998	924.4	8
WARDHA	59.7	30.9	93	986.8	1046.6	826.9	27
WASHIM	43.1	30.2	43	830.9	874.1	762.2	15
YEOTMAL	40.2	26.3	53	982.5	1022.7	795.6	29
SUBDIVISION RAINFALL	36	29.4	22	1029.5	1065.5	923.5	15

RAINFALL MAP FOR WEEK ENDING Dt. 25.09.2024 & FOR SEASON FROM Dt. 01.06.2024 TO 25.09.2024:



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

VIDARBHA

09/19/2024 :- Jalgaon Jamod (dist Buldhana) 3, Telhara (dist Akola) 3, Sangrampur (dist Buldhana) 1

09/20/2024
NONE

09/21/2024: Sironcha (dist Gadchiroli) 3, Ballarpur (dist Chandrapur) 3, Desaignanj (dist Gadchiroli) 2, Rajura (dist Chandrapur) 2, Ramtek (dist Nagpur) 2, Ghatanji (dist Yeotmal) 1, Hinganghat (dist Wardha) 1, Joiti (dist Chandrapur) 1, Pandherikawara (dist Yeotmal) 1, Mahagaon (dist Yeotmal) 1, Mauda (dist Nagpur) 1

09/22/2024: Washim (dist Washim) 5, Malegaon (dist Washim) 5, Yeotmal (aws) (dist Yeotmal) 4, Babulgaon (dist Yeotmal) 4, Deoli (dist Wardha) 4, Amgaon (dist Gondia) 3, Yeotmal (dist Yeotmal) 3, Kalamb (dist Yeotmal) 3, Sakoli (arg) (dist Bhandara) 3, Darwha (dist Yeotmal) 3, Arni (dist Yeotmal) 3, Wardha (dist Wardha) 3, Hinganghat (dist Wardha) 3, Mangrulpir (dist Washim) 3, Lakhani (dist Bhandara) 2, Sakoli (dist Bhandara) 2, Mehkar (dist Buldhana) 2, Mulchera (dist Gadchiroli) 2, Karanjlad (dist Washim) 2, Mahagaon (dist Yeotmal) 2, Risod (dist Washim) 2, Arjuni Morgaon (dist Gondia) 2, Sadakarjuni (dist Gondia) 2, Patur (dist Akola) 2,

09/23/2024: Malegaon (dist Washim) 4, Warora (dist Chandrapur) 3, Wardha (Aws) (dist Wardha) 3, Dhamangaon Rlwy (dist Amraoti) 3, Tiwsa (dist Amraoti) 3, Chandur Rlwy (dist Amraoti) 3, Warud (dist Amraoti) 3, Yeotmal (aws) (dist Yeotmal) 2, Wani (dist Yeotmal) 2, Arni (dist Yeotmal) 2, Maregaon (dist Yeotmal) 2, Arvi (dist Wardha) 2, Ashti (dist Wardha) 2, Bhadravati (dist Chandrapur) 2, Pombhurna (dist Chandrapur) 2, Yeotmal (dist Yeotmal) 2, Bhiwapur (dist Nagpur) 2, Babulgaon (dist Yeotmal) 2, Wardha (dist Wardha) 2, Amraoti (dist Amraoti) 2, Lakhani (dist Bhandara) 2, Kuhi (dist Nagpur) 2, Motala (dist Buldhana) 2,

09/24/2024: Desaiganj (dist Gadchiroli) 3, Nagbhir (dist Chandrapur) 3, Etapalli (dist Gadchiroli) 2, Korpana (dist Chandrapur) 2, Arvi (dist Wardha) 2, Jalgaon Jamod (dist Buldhana) 2, Kurkheda (dist Gadchiroli) 2, Kuhi (dist Nagpur) 2, Nagpur (aws) (dist Nagpur) 2, Chikhaldada (dist Amraoti) 2, Deolgaon Raja (dist Buldhana) 2, Hingna (dist Nagpur) 2, Dhanora (dist Gadchiroli) 2, Nandgaonkazi (dist Amraoti) 2,

09/25/2024: Lakhandur (dist Bhandara) 4, Selu (dist Wardha) 3, Sakoli (arg) (dist Bhandara) 3, Khamgaon (dist Buldhana) 3, Hingna (dist Nagpur) 3, Pauni (dist Bhandara) 3, Mauda (dist Nagpur) 2, Bhandara (dist Bhandara) 2, Wardha (Aws) (dist Wardha) 2, Chandur Bazar (dist Amraoti) 2, Ashti (dist Wardha) 2, Sakoli (dist Bhandara) 2, Deolgaon Raja (dist Buldhana) 2, Tiwsa (dist Amraoti) 2, Arjuni Morgaon (dist Gondia) 2, Kharangha (dist Wardha) 2, Ralegaon (dist Yeotmal) 2, Motala (dist Buldhana) 2, Lakhani (dist Bhandara) 2, Hinganghat (dist Wardha) 2, Katol (dist Nagpur) 2, Perseoni (dist Nagpur) 2, Samudrapur (dist Wardha) 2, Chimur (dist Chandrapur) 2, Bhadravati (dist Chandrapur) 2, Bhiwapur (dist Nagpur) 2, Kamptee (dist Nagpur) 2, Ballarpur (dist Chandrapur) 2, Kurkheda (dist Gadchiroli) 2, Maregaon (dist Yeotmal) 2,

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