

Weekly Weather Report of Vidarbha for Week ending on 23.10.2024

Chief Synoptic Features (17.10.2024 – 23.10.2024):

The well marked low pressure area over South coastal Andhra Pradesh & adjoining North coastal Tamil Nadu persists and associated cyclonic circulation extends upto 5.8 Km above mean sea level tilting southwestwards with height 17th October. The cyclonic circulation over north Lakshadweep lay over eastcentral Arabian sea & adjoining north Lakshadweep area and extended upto 5.8 km above mean sea level so under the influence the above system , Moisture incursion taking place over the lower part of the region on 18th October.

A cyclonic circulation lies over southwest and adjoining westcentral Bay of Bengal off north Tamil Nadu and south Andhra Pradesh coast and extends upto 5.8 km above mean sea level tilting southwestwards with height on, the 19th October.

Yesterday's upper air cyclonic circulation over central Andaman Sea lay over North Andaman Sea in the early morning (0530 hours IST) and persisted over the same region in the forenoon (0830 hrs IST) of today, the 20th October 2024.

The Low Pressure Area persists over Eastcentral Bay of Bengal and adjoining north Andaman Sea. It is very likely to move west-northwestwards and intensify into a depression by 22nd October morning and into a cyclonic storm by 23rd October, 2024 over eastcentral Bay of Bengal. Thereafter, it is very likely to move northwestwards and reach northwest Bay of Bengal off Odisha-West Bengal coasts by 24th October morning. The upper air cyclonic circulation over southwest & adjoining westcentral Bay of Bengal off north Tamil Nadu & south Andhra Pradesh coast now lies over Tamil Nadu & neighbourhood extending upto 5.8 km above mean sea level on 21st October.

The Depression over Eastcentral Bay of Bengal moved west-northwestwards with a speed of 6 kmph during past 3 hours and lay centred at 0830 hrs IST of today, the 22nd October, over the same region near latitude 15.5° N and longitude 91.0°E. A trough runs from the above system to south Tamil Nadu coast and extends upto 1.5 km above mean sea level. The Low-Pressure Area over westcentral Arabian Sea with the associated cyclonic circulation extending upto 3.1 km above mean sea level persists over the same region. It is likely to move west-northwestwards away from Indian coast and weaken further during next 12 hours on 22nd October.

The cyclonic storm "DANA" (pronounced as Dana) over eastcentral Bay of Bengal moved northwestwards with a speed of 15 kmph during past 6 hours and lay centred at 0830 hrs IST of today, the 23rd October, over the same region near latitude 16.5°N and longitude 89.6°E, about 520 km southeast of Paradip (Odisha), 600 km south-southeast of Sagar Island (West Bengal) and 610 km south-southeast of Khepupara (Bangladesh). It is very likely to move northwestwards and intensify into a severe cyclonic storm over northwest Bay of Bengal by early morning of 24th and cross north Odisha and West Bengal coasts between Puri and Sagar Island close to Bhitarkanika and Dhamara (Odisha) during night of 24th to morning of 25th October, 2024 as a severe Cyclonic Storm with a wind speed of 100-110 kmph gusting 120 kmph 23rd October.

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
	17.10.2024 TO 23.10.2024	01.10.2024 TO 23.10.2024
	Number of districts	Number of districts
LARGE EXCESS (+60% or more)	06	01
EXCESS (+20% to +59%)	NIL	01
NORMAL (+19% to -19%)	NIL	02
DEFICIENT (-20% to -59%)	03	03
LARGE DEFICIENT (-60% to -99%)	02	04
NO RAIN (-100%)	NIL	NIL
NO DATA	NIL	NIL

Realised Maximum Temperature departure During the Week over Vidarbha:

VIDARBHA	17-Oct-2024	18-Oct-2024	19-Oct-2024	20-Oct-2024	21-Oct-2024	22-Oct-2024	23-Oct-2024
TEMPERATURE DEPARTURE	AN	N	AN	AN	N	AN	N

Realised Minimum Temperature departure During the Week over Vidarbha:

VIDARBHA	17-Oct-2024	18-Oct-2024	19-Oct-2024	20-Oct-2024	21-Oct-2024	22-Oct-2024	23-Oct-2024
TEMPERATURE DEPARTURE	AN	AAN	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:

VIDARBHA	17-Oct-2024	18-Oct-2024	19-Oct-2024	20-Oct-2024	21-Oct-2024	22-Oct-2024	23-Oct-2024
SPATIAL DISTRIBUTION	Dry	Isolated	Fairly wide spread	wide spread	Scattered	Isolated	Isolated
ACTIVITY	WEAK	WEAK	WEAK	Vigorous	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 23.10.2024:

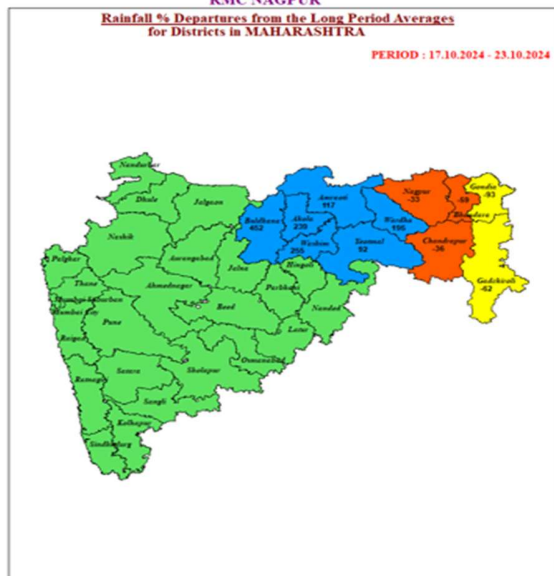
VIDARBHA	FROM 17.10.2024 TO 23.10.2024			FROM 01.10.2024 TO 23.10.2024			
DISTRICTS	W_ACTUAL	W_NORMAL	W_DEP	U_ACTUAL	P_ACTUAL	P_NORMAL	P_DEP
AKOLA	25.4	7.5	239	23	48.3	47.8	1
AMRAOTI	16.1	7.4	117	10.1	26.2	44.8	-42
BHANDARA	3.6	8.9	-59	10.7	14.3	45	-68
BULDHANA	47.5	8.6	452	90.2	137.7	50.8	171
CHANDRAPUR	9.3	14.6	-36	36	45.3	57.7	-22
GADCHIROLI	5.3	14	-62	14.1	19.4	59.8	-68
GONDIA	0.6	8.4	-93	9.6	10.2	40.3	-75
NAGPUR	5.5	8.2	-33	7	12.6	42.2	-70
WARDHA	29.2	9.9	195	18.1	47.3	46.5	2
WASHIM	31.2	8.8	255	10.9	42.1	57.3	-26
YEOTMAL	23.2	12.1	92	17.8	41	55.1	-26
SUBDIVISION RAINFALL	17.6	10.4	69	23.8	41.3	51	-19

RAINFALL MAP FOR WEEK ENDING Dt. 23.10.2024 & FOR SEASON FROM Dt.01.10.2024 TO 23.10.2024:

INDIA METEOROLOGICAL DEPARTMENT RMC NAGPUR

Rainfall % Departures from the Long Period Averages
for Districts in MAHARASHTRA

PERIOD : 17.10.2024 - 23.10.2024

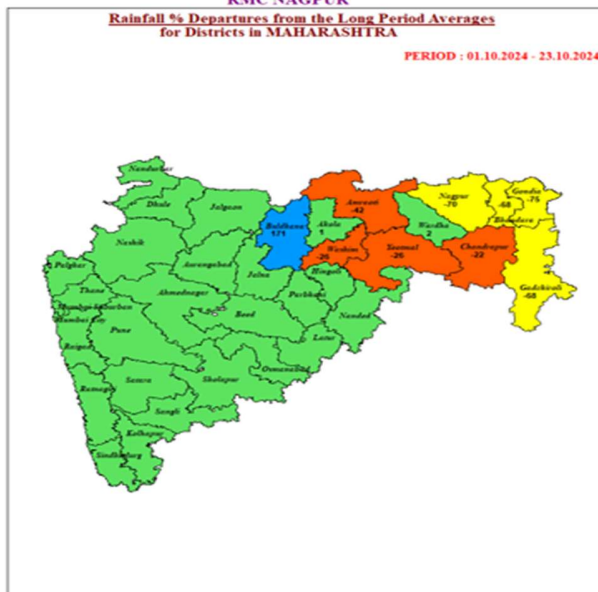


LEGEND: L. EXCESS (+60% OR MORE) EXCESS (+20% TO +59%) NORMAL (+19% TO -19%) DEFICIENT (-20% TO -59%) L. DEFICIENT (-60% TO -99%) NO RAIN (-100%) NO DATA

INDIA METEOROLOGICAL DEPARTMENT RMC NAGPUR

Rainfall % Departures from the Long Period Averages
for Districts in MAHARASHTRA

PERIOD : 01.10.2024 - 23.10.2024



LEGEND: L. EXCESS (+60% OR MORE) EXCESS (+20% TO +59%) NORMAL (+19% TO -19%) DEFICIENT (-20% TO -59%) L. DEFICIENT (-60% TO -99%) NO RAIN (-100%) NO DATA

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

VIDARBHA

17/10/2024 NONE

18/10/2024: Chikhaldha (dist Amraoti) 1

19/10/2024: Buldana (dist Buldhana) 4, Chikhli (dist Buldhana) 3, Shegaon (dist Buldhana) 3, Motala (dist Buldhana) 3, Jalgaon Jamod (dist Buldhana) 3, Khamgaon (dist Buldhana) 2, Nandura (dist Buldhana) 2, Malkapur (dist Buldhana) 2, Gadchiroli (dist Gadchiroli) 2, Sangrampur (dist Buldhana) 2, Dhanora (dist Gadchiroli) 1, Ashti (dist Wardha) 1, Amraoti (dist Amraoti) 1

20/10/2024: Akola (aws) (dist Akola) 7, Ashti (dist Wardha) 5, Malegaon (dist Washim) 5, Arvi (dist Wardha) 5, Tiwsa (dist Amraoti) 4, Hinganghat (dist Wardha) 4, Pandherikawara (dist Yeotmal) 4, Deoli (dist Wardha) 4, Gondpipri (dist Chandrapur) 4, Pusaad (dist Yeotmal) 4, Mahagaon (dist Yeotmal) 4, Maregaon (dist Yeotmal) 3, Lonar (dist Buldhana) 3, Buldana (dist Buldhana) 3, Ghatanji (dist Yeotmal) 3, Risod (dist Washim) 3, Warud (dist Amraoti) 3, Kharangha (dist Wardha) 3, Mangrulpir (dist Washim) 3, Akola (dist Akola) 3, Arni (dist Yeotmal) 3, Ralegaon (dist Yeotmal) 3, Washim (dist Washim) 3, Pombhurna (dist Chandrapur) 3, Dhamangaon Rlwy (dist Amraoti) 3, Deolgaon Raja (dist Buldhana) 2, Babulgaon (dist Yeotmal) 2, Balapur (dist Akola) 2, Khamgaon (dist Buldhana) 2, Shegaon (dist Buldhana) 2, Wardha (dist Wardha) 2, Kalam (dist Yeotmal) 2, Sindkhed Raja (dist Buldhana) 2, Digras (dist Yeotmal) 2, Jalgaon Jamod (dist Buldhana) 2, Darwha (dist Yeotmal) 2, Katol (dist Nagpur) 2, Telhara (dist Akola) 2, Umerkhed (dist Yeotmal) 2, Patur (dist Akola) 2, Chikhaldha (dist Amraoti) 2, Dhanora (dist Gadchiroli) 2, Manora (dist Washim) 2, Murtajapur (dist Akola) 2, Nandura (dist Buldhana) 2, Narkheda (dist Nagpur) 2, Amraoti (dist Amraoti) 1, Bhadravati (dist Chandrapur) 1, Chikhli (dist Buldhana) 1, Motala (dist Buldhana) 1, Sindewahi (dist Chandrapur) 1, Mehkar (dist Buldhana) 1, Chandrapur (dist Chandrapur) 1, Malkapur (dist Buldhana) 1, Chandur Bazar (dist Amraoti) 1, Barshitakli (dist Akola) 1, Yeotmal (dist Yeotmal) 1, Morsi (dist Amraoti) 1, Wani (dist Yeotmal) 1, Yeotmal (aws) (dist Yeotmal) 1, Lakhani (dist Bhandara) 1, Warora (dist Chandrapur) 1, Anjangaon (dist Amraoti) 1, Sakoli (arg) (dist Bhandara) 1, Batkuli (dist Amraoti) 1, Hingna (dist Nagpur) 1, Chandur Rlwy (dist Amraoti) 1, Selu (dist Wardha) 1

21/10/2024 NONE

22/10/2024: Lonar (dist Buldhana) 5, Mehkar (dist Buldhana) 2, Risod (dist Washim) 2, Deolgaon Raja (dist Buldhana)

23/10/2024 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