



Weekly Weather Report of Vidarbha for Week ending on 16.10.2024

Chief Synoptic Features (10.10.2024 – 16.10.2024):

❖ The line of withdrawal of Southwest Monsoon continues to pass through 29°N/84°E, Nautanwa, Sultanpur, Panna, Narmadapuram, Khargaon, Nandurbar, Navsari and 20°N/70°E ❖ The low pressure area over eastcentral and adjoining Lakshadweep & southeast Arabian Sea lay as a Well Marked Low pressure area over eastcentral Arabian Sea off KarnatakaGoa coasts at 0830 hours IST of today the 10th October 2024. The associated cyclonic circulation extending upto 5.8 km above mean sea level. It is likely to move northwestwards and intensify into a Depression over central Arabian Sea during next 2-3 days. ❖ A trough runs from Well Marked Low Pressure Area over eastcentral Arabian Sea off KarnatakaGoa coasts to southwest Bay of Bengal across Kerala & Tamilnadu and extends upto 4.5 km above mean sea level. Southwest Monsoon has further withdrawn from entire Uttar Pradesh, major parts of Madhya Pradesh, some parts of Bihar Chhattisgarh. The line of withdrawal of Southwest Monsoon now passes through 29°N/86°E, Darbhanga, Hazaribagh, Narsinghpur, Khargaon, Nandurbar, Navsari and 20°N/70°E. The Well Marked Low pressure area over eastcentral Arab north Karnataka coasts moved northwestwards and lay over eastcentral Arabian sea off Maharashtra coast at 0830 hour: 11th October 2024. The associated cyclonic circulation extending upto 5.8 km above mean sea level. It is likely to move west and intensify into a Depression over central Arabian Sea by morning of 13th October. The line of withdrawal of SW continues to pass through 29°N/86°E, Darbhanga, Hazaribagh, Pendra Road, Narsinghpur, Khargone, Nandurbar, Navsari. The Well Marked Low pressure area over eastcentral Arabian Sea with the associated cyclonic circulation extending upto 5.8 km above mean sea level persists over the same region at 0830 hours IST of today, the 12th October 2024. It is likely to move west-northeast and intensify into a Depression over central Arabian Sea by morning of 13th October. The trough ran from centre of the Well Marked Low pressure area over eastcentral Arabian sea to north Sri Lanka across Coastal Karnataka, Tamil Nadu and extended upto 1.5 km above mean sea level. The line of withdrawal of Southwest Monsoon continues to pass through 29°N/86°E, Darbhanga, Hazaribagh, Narsinghpur, Khargone, Nandurbar, Navsari and 20°N/70°E. The trough from centre of the Well Marked Low pressure area over eastcentral Arabian sea to north Sri Lanka across Coastal Karnataka, Tamil Nadu extending upto 1.5 km above mean sea level persists. ❖ Southwest Monsoon has further withdrawn from remaining parts of Assam, Meghalaya, entire Arunachal Pradesh, Manipur, Mizoram and Tripura, most parts of north Bay of Bengal. The line of withdrawal of Southwest Monsoon now passes through 18.5°N/92.0°E, 18.5°N/90.0°E, Gopalpur, Raipur, 22.5°N/79.5°E, Khargone, Nandurbar, Navsari and 20°N/70°E. ❖ The trough from centre of the Depression over central Arabian Sea to Comorin area across south Kerala and cyclonic circulation over Tamil Nadu upto 5.8 km above mean sea level persists. The line of withdrawal of Southwest Monsoon continues to pass through 18.5°N/92.0°E, Gopalpur, Raipur, 22.5°N/79.5°E, Khargone, Nandurbar, Navsari and 20°N/70°E. Conditions are favourable for further withdrawal of Southwest Monsoon from remaining parts of the country during next 24 hours. Simultaneously with the setting in of easterly winds over southern peninsular India, south & adjoining central Bay of Bengal, the Northeast Monsoon rainfall activity is likely to start over south east peninsular region during the same period. The Depression over southwest Bay of Bengal moved west-northeast at a speed of 15 kmph during past 6 hours and lay centered at 0830 hours IST of today, the 16th October 2024 over the latitude 12.3° N and longitude 83.0° E, about 320 km east-southeast of Chennai (Tamil Nadu), 350 km east-northeast of Puri (Odisha) and 300 km southeast of Nellore (Andhra Pradesh). It is likely to move

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
	10.10.2024 TO 16.10.2024	01.10.2024 TO 16.10.2024
	Number of districts	Number of districts
LARGE EXCESS (+60% or more)	04	NIL
EXCESS (+20% to +59%)	NIL	01
NORMAL (+19% to -19%)	03	01
DEFICIENT (-20% to -59%)	03	03
LARGE DEFICIENT (-60% to -99%)	01	06
NO RAIN (-100%)	NIL	NIL
NO DATA	NIL	NIL

Realised Maximum Temperature departure During the Week over Vidarbha:

VIDARBHA	10-Oct-2024	11-Oct-2024	12-Oct-2024	13-Oct-2024	14-Oct-2024	15-Oct-2024	16-Oct-2024
TEMPERATURE DEPARTURE	N	N	N	N	N	N	AN

Realised Minimum Temperature departure During the Week over Vidarbha:

VIDARBHA	10-Oct-2024	11-Oct-2024	12-Oct-2024	13-Oct-2024	14-Oct-2024	15-Oct-2024	16-Oct-2024
TEMPERATURE DEPARTURE	AN	N	N	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	10-Oct-2024	11-Oct-2024	12-Oct-2024	13-Oct-2024	14-Oct-2024	15-Oct-2024	16-Oct-2024
SPATIAL DISTRIBUTION	Scattered	Fairly wide spread	Fairly wide spread	Scattered	Fairly wide spread	Isolated	Isolated
ACTIVITY	Normal	Normal	Vigorous	Normal	Vigorous	Weak	Weak

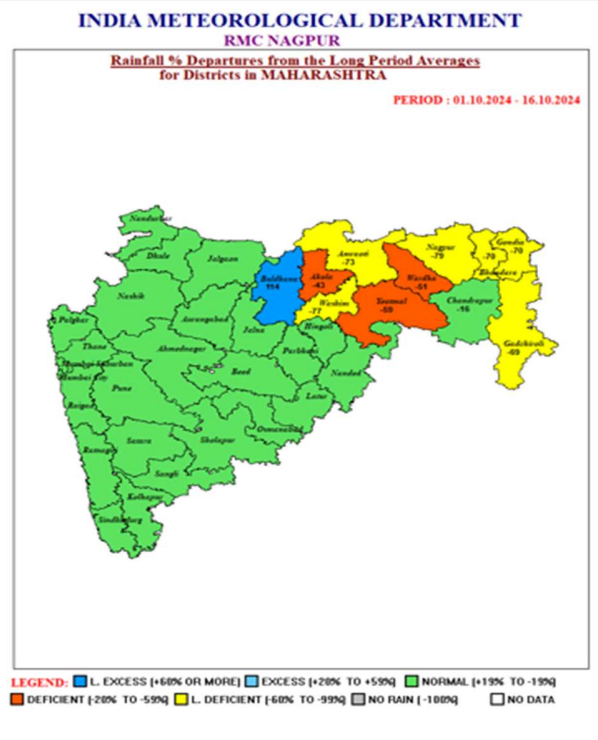
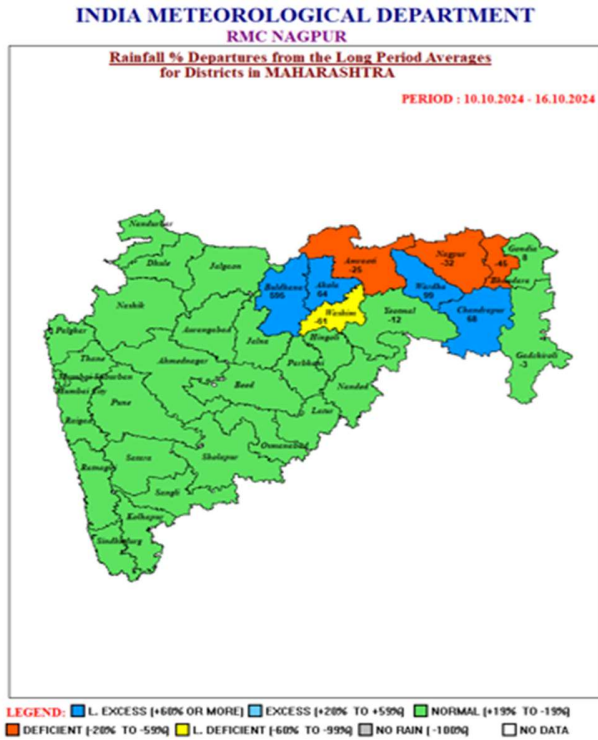
Legends :- Station Reporting Rainfall

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 16.10.2024:

VIDARBHA	FROM 10.10.2024 TO 16.10.2024			FROM 01.10.2024 TO 16.10.2024			
DISTRICTS	W_ACTUAL	W_NORMAL	W_DEP	U_ACTUAL	P_ACTUAL	P_NORMAL	P_DEP
AKOLA	21.4	13	64	1.6	23	40.3	-43
AMRAOTI	9.4	12.6	-25	0.7	10.1	37.4	-73
BHANDARA	5.5	10	-45	5.2	10.7	36.1	-70
BULDHANA	89	12.8	595	1.2	90.2	42.2	114
CHANDRAPUR	21	12.5	68	15	36	43.1	-16
GADCHIROLI	13.3	13.6	-3	0.9	14.1	45.8	-69
GONDIA	8.6	8	8	1	9.6	31.9	-70
NAGPUR	6.2	9.1	-32	0.9	7	34	-79
WARDHA	17.7	8.9	99	0.4	18.1	36.6	-51
WASHIM	6.9	17.9	-61	4	10.9	48.5	-77
YEOTMAL	11.3	12.8	-12	6.5	17.8	43	-59
SUBDIVISION RAINFALL	20.1	12.2	65	3.7	23.8	40.6	-42

RAINFALL MAP FOR WEEK ENDING Dt. 16.10.2024 & FOR SEASON FROM Dt.01.10.2024 TO 16.10.2024:



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

VIDARBHA

10/10/2024: Buldana (dist Buldhana) 2, Chikhaldha (dist Amraoti) 2, Barshitakli (dist Akola) 2, Karanjlad (dist Washim) 1, Chikhli (dist Buldhana) 1, Shegaon (dist Buldhana) 1, Nandgaonkazi (dist Amraoti) 1, Telhara (dist Akola) 1, Jalgaon Jamod (dist Buldhana) 1, Nandura (dist Buldhana) 1

11/10/2024: Warora (dist Chandrapur) 3, Bhadravati (dist Chandrapur) 3, Motala (dist Buldhana) 3, Ballarpur (dist Chandrapur) 2, Sakoli (arg) (dist Bhandara) 2, Ashti (dist Wardha) 2, Chandrapur (dist Chandrapur) 2, Sakoli (dist Bhandara) 1, Deoli (dist Wardha) 1, Ner (dist Yeotmal) 1, Ralegaon (dist Yeotmal) 1, Maregaon (dist Yeotmal) 1, Kharangha (dist Wardha) 1, Deori (dist Gondia) 1, Yeotmal (aws) (dist Yeotmal) 1, Shegaon (dist Buldhana) 1, Zarizamni (dist Yeotmal) 1

12/10/2024: Motala (dist Buldhana) 10, Malkapur (dist Buldhana) 10, Jalgaon Jamod (dist Buldhana) 9, Nandura (dist Buldhana) 9, Buldana (dist Buldhana) 6, Shegaon (dist Buldhana) 6, Sangrampur (dist Buldhana) 5, Sindewahi (dist Chandrapur) 5, Bhamragad (dist Gadchiroli) 5, Deolgaon Raja (dist Buldhana) 5, Telhara (dist Akola) 5, Saoli (dist Chandrapur) 4, Akot (dist Akola) 3, Mul (dist Chandrapur) 3, Nagbhir (dist Chandrapur) 3, Chimur (dist Chandrapur) 2, Khamgaon (dist Buldhana) 2, Gadchiroli (dist Gadchiroli) 2, Samudrapur (dist Wardha) 1, Kurkheda (dist Gadchiroli) 1, Sindkhed Raja (dist Buldhana) 1, Nagpur Aerodrome (dist Nagpur) 1, Bhiwapur (dist Nagpur) 1, Sadakarjuni (dist Gondia) 1, Chamorshi (dist Gadchiroli) 1, Chikhaldha (dist Amraoti) 1

13/10/2024: Salekasa (dist Gondia) 1, Ghatanji (dist Yeotmal) 1, Karanjlad (dist Washim) 1, Ballarpur (dist Chandrapur) 1, Sironcha (dist Gadchiroli) 1, Dhamangaon Rlwy (dist Amraoti) 1

14/10/2024: Malkapur (dist Buldhana) 12, Motala (dist Buldhana) 5, Nandura (dist Buldhana) 5, Buldana (dist Buldhana) 3, Chikhli (dist Buldhana) 2, Sindkhed Raja (dist Buldhana) 2, Khamgaon (dist Buldhana) 2, Chikhaldha (dist Amraoti) 1, Lonar (dist Buldhana) 1, Pandherikawara (dist Yeotmal) 1, Ashti (dist Wardha) 1, Kurkheda (dist Gadchiroli) 1, Deolgaon Raja (dist Buldhana) 1, Goregaon (dist Gondia) 1, Kharangha (dist Wardha) 1, Narkheda (dist Nagpur) 1, Zarizamni (dist Yeotmal) 1

15/10/2024 None

16/10/2024 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

