ಭಾರತ ಹವಾಮಾನ ಇಲಾಖೆ
भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT
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Impact Based Forecast and Warnings

Dated: 26.04.2024
Time of Issue: 1400 hours IST

Realized Weather:

Dry weather prevailed over the State.

Kalaburgi recorded the highest maximum temperature of **41.8° C** in the plains of the State**.**

Very Heavy rainfall amounts (in cm): Nil

Heavy rainfall amounts (in cm): Nil

Other chief rainfall amounts (in cm): Nil

Synoptic Conditions as on 1200 IST (Inference):

- The trough/wind discontinuity from Marathwada & adjoining Madhya Maharashtra to north coastal Tamil Nadu now runs from Marathwada to north Tamil Nadu across Interior Karnataka and extends upto 1.5 km above mean sea level.
- The cyclonic circulation over Marathwada & adjoining Madhya Maharashtra at 0.9 km above mean sea level has merged with the above trough.
- The trough/wind discontinuity from cyclonic circulation over central parts of south Madhya Pradesh to South Interior Karnataka across Vidarbha & Marathwada at 1.5 km above mean sea level has become less marked.

Thunderstorm Warning:

Day 1 (26.04.2024): Dry weather very likely to prevail over the State.

Day 2 (27.04.2024): Dry weather very likely to prevail over the State.

Day 3 (28.04.2024): Dry weather very likely to prevail over the State.

Day 4 (29.04.2024): Light rain very likely to occur over some parts of Bidar, Kalaburgi, Yadgir, Vijayapura, Chikkamagaluru, Davangere, Hassan, Kodagu, Mysuru and Chitradurga districts. Dry weather very likely to prevail over remaining districts of the State.

Day 5(30.04.2024): Light rain very likely to occur over some parts of Kalaburgi, Yadgir, Raichur, Belagavi, Ballari, Davangere, Shivamogga, Chikkamagaluru, Kodagu, Mysuru, Mandya and Tumkur districts. Dry weather very likely to prevail over remaining districts of the State.

Day 6 (01.05.2024): Light rain very likely to occur over some parts of Bidar, Kalaburgi, Yadgir, Chikkamagaluru, Kodagu, Mysuru, Mandya and Ramanagara districts. Dry weather very likely to prevail over remaining districts of the State.

Day 7 (02.05.2024): Light to Moderate rain very likely to occur over some parts of Kodagu, Mysuru, Chamarajanagar and Ramanagara districts. Light rain very likely to occur over some parts of Mandya and Bengaluru Urban districts. Dry weather very likely to prevail over remaining districts of the State.

Temperature forecast:

Hot and humid conditions very likely to prevail over Dakshina Kannada, Udupi and Uttar Kannada districts from 26th to 30th April 2024.

Maximum temperature very likely to be rise by 2-3°C over the State for next 5 days.

Heat wave Warning:

Day 1 (26.04.2024): Heat wave conditions likely to prevail at isolated places over Raichur, Yadgir, Kalaburgi, Vijayapura, Bagalkote, Koppal, Ballari, Bidar, Vijayanagara, Gadag, Davangere, Chitradurga, Tumkur, Chikkaballapura, Kolar, Haveri, Mysuru and Mandya districts.

Day 2 (27.04.2024): Heat wave conditions likely to prevail at isolated places over Raichur, Yadgir, Kalaburgi, Vijayapura, Bagalkote, Koppal, Ballari, Bidar, Vijayanagara, Gadag, Davangere, Chitradurga, Tumkur, Chikkaballapura, Kolar, Haveri, Mysuru and Mandya districts.

Day 3 (28.04.2024): Heat wave conditions likely to prevail at isolated places over Raichur, Yadgir, Kalaburgi, Vijayapura, Bagalkote, Koppal, Ballari, Bidar, Vijayanagara, Gadag, Davangere, Chitradurga, Tumkur, Chikkaballapura, Kolar, Haveri, Mysuru and Mandya districts.

Day 4 (29.04.2024): Heat wave conditions likely to prevail at isolated places over Raichur, Yadgir, Kalaburgi, Vijayapura, Bagalkote, Koppal, Ballari, Bidar, Vijayanagara, Gadag, Davangere, Chitradurga, Tumkur, Chikkaballapura, Kolar, Haveri, Mysuru and Mandya districts.

Day 5 (30.04.2024): Heat wave conditions likely to prevail at isolated places over Raichur, Yadgir, Kalaburgi, Vijayapura, Bagalkote, Koppal, Ballari, Bidar, Vijayanagara, Gadag, Davangere, Chitradurga, Tumkur, Chikkaballapura, Kolar, Haveri, Mysuru and Mandya districts.

IMPACT & ACTION SUGGESTED FOR HEAT WAVE CONDITIONS:

❖ High temperature & increased likelihood of heat illness symptoms in people who are either exposed to sun for a prolonged period or doing heavy work.

❖ High health concern for vulnerable people e.g. infants, elderly, people with chronic diseases. Avoid heat exposure– keep cool. Avoid dehydration.

❖ Drink sufficient water- even if not thirsty.

❖ Use ORS, homemade drinks like lassi, torani (rice water), lemon water, buttermilk, etc. to keep yourself hydrated.

❖ Moderate temperature & heat is tolerable for general public but moderate health concern likely for vulnerable people e.g. infants, elderly, people with chronic diseases.

❖ Avoid heat exposure. Wear lightweight, light colour, loose, cotton clothes.

Cover your head, use a cloth, hat or umbrella.

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City and neighbourhood weather at 0830 IST on 26.04.2024

District	Maximum Temperature (◦C)	Minimum temperature (◦C)	Weather Realized	Rainfall in mm (Past 24 hours)
Bengaluru City	37.4	24.4	Nil	0.0
Bengaluru International Airport	38.4	23.2	Nil	0.0
Bengaluru HAL Airport	36.6	23.3	Nil	0.0
GKVK, Bengaluru	36.0	21.0	Nil	0.0

Forecast for next 48 hours

Date	26.04.2024	27.04.2024
Heavy Rainfall Warning	NIL	NIL
Local Forecast	Partly Cloudy Sky in morning and Mainly Clear Sky towards Evening/Night.	Partly Cloudy Sky in morning and Mainly Clear Sky towards Evening/Night.
Temperature Forecast (Deg Cel)	Maximum Temp: 38 Minimum Temp: 23	Maximum Temp: 38 Minimum Temp: 23

Dr. Rajavel Manickam
Scientist 'E
for Head
Meteorological Centre, Bengaluru

Kindly refer NDMA guidelines: https://ndma.gov.in/Resources/awareness/)LEGENDS:

LEGENDS: HEAVY RAIN: 64.5-115.5 MM/DAY; VERY HEAVY RAIN: 115.6-204.4 MM/DAY; EXTREMELY HEAVY RAIN: MORE THAN 204.4 MM/DAY, WIDESPREAD (76-100% STATIONS), FAIRLY WIDESPREAD (51-75% STATIONS) AND SCATTERED/AT A FEW PLACES (26-50% STATIONS).

WARNING COLOUR	ACTION
Red	Take Action
Orange	Be Prepared
Yellow	Be Updated
Green	No Warning

Legends:

RAINFALL INTENSITY

Terminology	Rainfall Range	Terminology	Rainfall Range in mm
Light Spell	1 cm/hr	Very Intense Spell	3–5 cm/hr
Moderate Spell	1–2 cm/hr	Extremely Intense Spell	5–10 cm/hr
Intense Spell	2–3 cm/hr	Cloud Burst	>10 cm/hr

RAINFALL CATEGORIES

Terminology	Rainfall Range in mm	Terminology	Rainfall Range in mm
Very Light Rainfall	Trace – 2.4	Heavy Rainfall	64.5 – 115.5
Light rainfall	2.5 – 15.5	Very Heavy Rainfall	115.6 – 204.4
Moderate Rainfall	15.6 – 64.4	Extremely Heavy Rainfall	>= 204.5

Distribution	No. of Places	Description
Isolated	One or two Places	25% of area or less gets rainfall
Scattered	At a few Places	(26–50)% of area gets rainfall
Fairly Widespread	At many Places	(51–75)% of area gets rainfall
Widespread	At Most place	(76–100)% of area gets rainfall

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