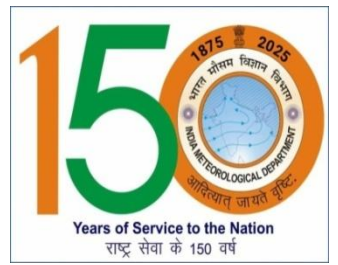




-भारत सरकार
GOVERNMENT OF INDIA
भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT
मौसम केंद्र, बिरसा मुंडा विमानपत्तन
METEOROLOGICAL CENTRE, BIRSA MUNDA AIRPORT
राँची, झारखण्ड, पिन- 834002



RANCHI, JHARKHAND, PIN-834002

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Daily Weather Bulletin for Jharkhand

Friday, 08th May, 2026

Time: MID-DAY

| Station Name: Ranchi | | | |
|---------------------------|-------|-----------------------|-------|
| Tomorrow's Sunrise (IST) | 05:11 | Today's Sunset (IST) | 18:20 |
| Tomorrow's Moonrise (IST) | --:-- | Today's Moonset (IST) | 10:07 |

| | |
|--------------------------|---|
| Synoptic Features | <ul style="list-style-type: none"> A trough runs from the upper air cyclonic circulation over central Pakistan & adjoining Punjab and Rajasthan to northwest Bangladesh across Haryana, upper air cyclonic circulation over southwest Uttar Pradesh & neighbourhood, Uttar Pradesh, Bihar, Sub-Himalayan West Bengal & Sikkim at 1.5 km above mean sea level. The trough now runs from the upper air cyclonic circulation over southwest Uttar Pradesh & neighbourhood to north interior Odisha across East Madhya Pradesh and Chhattisgarh at 0.9 km above mean sea level. |
|--------------------------|---|

| | |
|---|--|
| Realized Weather (during past 24 hrs): | <p>Light to moderate rainfall with thunderstorm realised at isolated places over the state.</p> <p>The Highest Rainfall 43.8 mm was observed at KONER DVC (HAZARIBAGH).</p> <p>The Highest Maximum Temperature 37.7°C was recorded at MO DALTONGANJ while the Lowest Minimum Temperature 15.4°C was recorded at KANKE(BAU RANCHI).</p> |
|---|--|

| | | |
|------------------------------|-----------------------------|--|
| Maximum Temperatures: | Last 24 hrs. Change: | No large change (-2.0°C to +2.0°C) at few places and Appreciable rise (2.1°C to 4.0°C) and Appreciable fall (-2.1°C to -4.0°C) each at isolated places over Jharkhand. |
| | Normal Departures: | Appreciably below normal (-3.1°C to -5.0°C), Normal (-1.5°C to 1.5°C), Below normal (-1.6°C to -3.0°C), and Markedly below normal (-5.1°C or less) each at isolated places over Jharkhand. |
| Minimum Temperatures: | Last 24 hrs. Change: | No large change (-2.0°C to +2.0°C) and Appreciable fall (-2.1°C to -4.0°C) each at few places over Jharkhand. |
| | Normal Departures: | Appreciably below normal (-3.1°C to -5.0°C) and Below normal (-1.6°C to -3.0°C) at few places over Jharkhand. |

| | |
|--|---|
| Chief amount of Rainfall (in mm): | KONER DVC-43.8; KONER-42.8; BOKARO THERMAL-38.8; PARSABAD-29.6; NARAYANPUR-18; NAWADIH-17.3; PANCHET-16.4; PANCHET DVC-13; TENUGHAT-9; MESSENGER-8.8; DHALBHUMGARH-7.6; ZRS DUMKA-7.4; MAITHON-7.2; MAITHON DVC-7.2; BARKATHA-6.4; RAMGARH-6.4; RAMGARH DVC-5.6; PUTKI DVC-5; JAMTARA FMO-4.8; BARKISURIYA-4.6; RAJDHANWAR-4.4; DUMRI-4.2; BAU KANKE-4; GOBINDPUR DVC-3.6; HIRODIH DVC-2.6; DIYAKEL KHUNTI AWS-2.5; HAZARIBAGH DVC-2.4; PUTKI-2.4; KODERMA DVC-2.2; DALTONGANJ-2.0; |
|--|---|

➤ **Observations recorded at 08:30 hrs. IST of 08-05-2026:**

| STATION NAME (*KVK) | TEMPERATURE(°C) | | | | RAINFALL (mm) | | RELATIVE HUMIDITY (%) | |
|---------------------|-------------------|------------------|-------------------|------------------|---------------|------------------------------------|-----------------------|------------------|
| | Max. Past 24 Hrs. | Dep. From Normal | Min. Past 24 Hrs. | Dep. From Normal | Past 24 Hrs. | Since 01 st March, 2026 | Max Past 24 Hrs. | Min Past 24 Hrs. |
| MC RANCHI | 32.6 | -4.7 | 19.4 | -3.9 | 000.4 | 128.4 | 89 | 57 |
| MO JAMSHEDPUR | 35.1 | -4.1 | 21.8 | -3.3 | 001.4 | 109.9 | 86 | 49 |
| MO DALTONGANJ | 37.7 | -3.0 | 23.0 | -2.8 | 002.0 | 052.7 | 81 | 46 |
| BOKARO-THERMAL | 30.1 | -9.6 | 19.5 | -2.0 | 038.8 | 259.6 | 88 | 79 |
| CHAIBASA-PTO | 36.2 | -1.4 | 20.6 | -4.1 | 000.0 | 152.7 | 70 | 68 |
| KHUNTI-AWS | 33.6 | - | 20.5 | - | 002.5 | - | - | - |
| LOHARDAGA AWS | 32.7 | - | 20.8 | - | 001.5 | - | - | - |
| LATEHAR-AWS | 29.4 | - | 19.4 | - | 000.0 | - | - | - |
| SARAIKELA AWS | 36.7 | - | 21.6 | - | 000.0 | - | - | - |

| | | | | | | | | |
|-------------------|------|---|------|---|-------|---|---|---|
| PAKUR-AWS | 31.8 | - | 21.6 | - | 000.0 | - | - | - |
| KANKE(BAU RANCHI) | 30.7 | - | 15.4 | - | 004.0 | - | - | - |

➤ **Sector wise Forecast for the state of Jharkhand (till morning of 15th May, 2026):**

| Day | Central (Hazaribagh, Koderma, Ramgarh, Bokaro, Dhanbad, Ranchi, Lohardaga, Gumla, Khunti) | South (East Singhbhum, West Singhbhum, Saraikella-Kharswan, Simdega) | NW (Garhwa, Chatra, Palamu, Latehar) | NE (Sahebganj, Pakur, Godda, Dumka, Deoghar, Jamtara, Giridih) |
|--|---|---|---|---|
| 08.05.26 | 1. Partly cloudy sky with possibility of light to moderate Rain or Thunderstorm likely at few places over the state. 2. No large change in Maximum temperature during next 5 days. | | | |
| 09.05.26 | Partly cloudy sky with possibility of light to moderate Rain or Thunderstorm likely at few places over the state. | | | |
| 10.05.26 | | | | |
| 11.05.26 | Partly cloudy sky with possibility of light to moderate Rain or Thunderstorm likely at isolated places over the state except North-Western part. | | | |
| 12.05.26 | | | | |
| Outlook for subsequent Two days | | | | |
| 13.05.26 | Partly cloudy sky with possibility of light to moderate Rain or Thunderstorm likely at few places over the state. | | | |
| 14.05.26 | Partly cloudy sky with possibility of light to moderate Rain or Thunderstorm likely at isolated places over the state except North-Western part. | | | |

➤ **Sector wise Warning for the state of Jharkhand (for next seven days):**

| Day | Central (Hazaribagh, Koderma, Ramgarh, Bokaro, Dhanbad, Ranchi, Lohardaga, Gumla, Khunti) | South (East Singhbhum, West Singhbhum, Saraikella-Kharswan, Simdega) | NW (Garhwa, Chatra, Palamu, Latehar) | NE (Sahebganj, Pakur, Godda, Dumka, Deoghar, Jamtara, Giridih) |
|----------|--|---|---|---|
| 08.05.26 | Thunderstorm/Lightning accompanied with Hailstorm and gusty wind (50-60 kmph) likely at isolated places over North-Eastern & Central (Dhanbad) parts of the state. Thunderstorm/Lightning and gusty wind (40-50 kmph) likely at isolated places over rest parts of the state. | | | |
| 09.05.26 | Thunderstorm/Lightning accompanied with Hailstorm and gusty wind (50-60 kmph) likely at isolated places over Central (Hazaribagh, Bokaro, Ramgarh, Ranchi & Khunti) part of the state. Thunderstorm/Lightning and gusty wind (40-50 kmph) likely at isolated places over rest parts of the state. | | | |
| 10.05.26 | Thunderstorm/Lightning and gusty wind (40-50 kmph) likely at isolated places over the state. | | | |
| 11.05.26 | Thunderstorm/Lightning and gusty wind (40-50 kmph) likely at isolated places over the state except North-Western part. | | | |
| 12.05.26 | | | | |
| 13.05.26 | Thunderstorm/Lightning and gusty wind (40-50 kmph) likely at isolated places over the state. | | | |
| 14.05.26 | Thunderstorm/Lightning and gusty wind (40-50 kmph) likely at isolated places over the state except North-Western part. | | | |

➤ **Local Forecast for RANCHI & neighbourhood (for next five days):**

| Day | WEATHER FORECAST | Temperature (in °C) | |
|--|--|---------------------|------|
| | | Max. | Min. |
| 08.05.26 | Partly cloudy sky with possibility of Rain or Thunderstorm. | 33 | 20 |
| 09.05.26 | Partly cloudy sky with possibility of Rain or Thunderstorm. | 32 | 19 |
| 10.05.26 | Partly cloudy sky with possibility of Rain or Thunderstorm. | 31 | 19 |
| 11.05.26 | Partly cloudy sky with possibility of Rain or Thunderstorm. | 32 | 20 |
| 12.05.26 | Partly cloudy sky with possibility of Rain or Thunderstorm. | 33 | 21 |
| Outlook for subsequent Two days | | | |
| 13.05.26 | Partly cloudy sky with possibility of Rain or Thunderstorm. | | |
| 14.05.26 | Partly cloudy sky with possibility of Rain or Thunderstorm. | | |

(Dr. Baburaj P.P.)
Scientist-D and Head,
Meteorological Centre Ranchi,

Terms used for Description of temperatures

| <u>24 hrs temperature changes</u> | <u>Temperature departures</u> |
|--|--|
| <u>Marked fall (-4.1°C or less)</u> | <u>Markedly below normal (-5.1°C or less)</u> |
| <u>Appreciable fall (-2.1°C to -4.0°C)</u> | <u>Appreciably below normal (-3.1°C to -5.0°C)</u> |
| <u>No large change (-2.0°C to +2.0°C)</u> | <u>Below normal (-1.6°C to -3.0°C)</u> |
| <u>Appreciable rise (2.1°C to 4.0°C)</u> | <u>Normal (-1.5°C to 1.5°C)</u> |
| <u>Marked rise (4.1°C or more)</u> | <u>Above normal (1.6°C to 3.0°C)</u> |
| | <u>Appreciably above normal (3.1°C to 5.0°C)</u> |
| | <u>Markedly above normal (5.1°C or more)</u> |

LEGENDS

WARNING

| |
|--------------------------------|
| WARNING (TAKE ACTION) |
| ALERT (BE PREPARED) |
| WATCH (BE UPDATED) |
| NO WARNING (NO ACTION) |

Probabilistic Forecast

| Terms | Probability of Occurrence (%) |
|-------------|-------------------------------|
| Unlikely | < 25 |
| Likely | 25 - 50 |
| Very Likely | 50 - 75 |
| Most Likely | > 75 |



Heavy: 64.6 to 115.5 mm/cm *
 Very Heavy: 115.6 to 204.4 mm/cm *
 Extremely Heavy: > 204.4 mm/cm *

Hot and Humid: When maximum temperatures remains 3°C above normal along with the above normal relative humidity.



When maximum temperature of a station reaches $\geq 40^{\circ}\text{C}$ for plains and $\geq 30^{\circ}\text{C}$ for hilly regions
(a) Based on Departure from normal
 Heat Wave: Maximum Temperature Departure from normal: 4.5°C to 6.4°C .
 Severe Heat Wave: Maximum Temperature Departure from normal $\geq 6.5^{\circ}\text{C}$
(b). Based on Actual maximum temperature
 Heat Wave: When actual maximum temperature $\geq 45^{\circ}\text{C}$.
 Severe Heat Wave: When actual maximum temperature $\geq 47^{\circ}\text{C}$
(c). Criteria for heat wave for coastal stations
 When maximum temperature departure is $>4.5^{\circ}\text{C}$ from normal. Heat Wave may be described provided maximum temperature $\geq 37^{\circ}\text{C}$



When maximum temperature remains 40°C
 Warm Night: When minimum temperature departure 4.5°C to 6.4°C .
 Severe Warm Night: When minimum temperature departure $>6.4^{\circ}\text{C}$.



When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions.
(a). Based on departure
 Cold Wave: Minimum Temperature Departure from normal -4.5°C to -6.4°C .
 Severe Cold Wave: Minimum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$
(b) Based on actual Minimum Temperature (for Plains only)
 Cold Wave : When Minimum Temperature is $\leq 4.0^{\circ}\text{C}$
 Severe Cold Wave: When Minimum Temperature is $\leq 2.0^{\circ}\text{C}$
(c) For Coastal Stations
 When Minimum Temperature departure is $\leq -4.5^{\circ}\text{C}$ & actual Minimum Temperature is $\leq 15^{\circ}\text{C}$



When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions
 Based on departure
 Cold Day: Maximum Temperature Departure from normal -4.5°C to -6.4°C .
 Severe Cold Day: Maximum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$



Phenomenon of small droplets suspended in air and the horizontal visibility $< 1\text{km}$
 Moderate Fog: When the visibility between 500-200 metres
 Dense Fog: when the visibility between 50- 200 metres
 Very Dense Fog: when the visibility < 50 metres



Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)



Ice deposits on ground
 Air temperature $\leq 4^{\circ}\text{C}$ (over Plains)



A strong wind that rises suddenly, lasts for atleast 1 minute.
 Moderate: Wind speed 52-61 kmph
 Severe: Wind speed 62-67 kmph
 Very Severe: Wind speed >67 kmph



Effect of various waves in the sea over specific area
 Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre
 High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre
 Phenomenal: Wind speed >117 kmph (>63 knots) & Wave height >14 metre



Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots)
 Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots)
 Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots)
 Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)
 Super Cyclone Storm: Wind speed >220 kmph (>119 knots)