



భారత ప్రభుత్వం
భూ విజ్ఞాన మంత్రిత్వ శాఖ
భారత వాతావరణ శాఖ
వాతావరణ కేంద్రం అమరావతి

భారత सरकार
पृथ्वी विज्ञान मंत्रालय
भारत मौसम विज्ञान विभाग
मौसम केन्द्र, अमरावती -522240



Government of India
Ministry of Earth Science
India Meteorological Department
Meteorological Centre, Amaravati-522240

SPECIAL BULLETIN - 23

DATE: 05.05.2024

TIME: 1400HRS IST

Sub: Heat wave, Hot, Humid and Discomfort weather conditions likely to prevail at isolated places over Andhra Pradesh during 05th May -09th May 2024.

- Yesterday's Maximum Day Temperature recorded over Andhra Pradesh: **46.0°C over Nandyal.**
- Yesterday's Highest Minimum Temperature recorded over Andhra Pradesh: **31.6°C over Cuddapah.**
- Yesterday, the maximum temperature exceeded 98th percentile at isolated pockets over Rayalaseema
- **Heat wave conditions realized over Nandyal (Nandyal District), Anantapur (Anantapur District), Kurnool (Kurnool District), Kadapa (Y.S.R. District), Arogyavaram (Annamayya District) of Rayalaseema**

As the South-Westerly winds prevailing over Andhra Pradesh and Yanam, Maximum temperature (Day Temperature) likely to be more than 42°C at many places over the districts of Rayalaseema and likely to be above normal by 3 to 5°C during 05th May 2024 to 06th May 2024 and more than 40°C at many places over the districts of Coastal Andhra Pradesh & Yanam and likely to be above normal by 3 to 5°C on 05th May 2024.

Yesterday, maximum temperatures were in the range of 42 – 47°C at many places of Rayalaseema and between 41 – 45 at isolated places of Coastal Andhra Pradesh.

Maximum Temperature: Maximum temperature (Day Temperature) likely to be between 40 to 45°C at few places over the districts of Rayalaseema during next 2 days (05th May -06th May 2024) and at isolated places over the districts of Coastal Andhra Pradesh & Yanam on 05th May 2024.

Minimum Temperature: Minimum temperature (night temperature) likely to be above normal by 2-3°C during next 2 days (05th May -06th May 2024) at few places and likely to be between 27-30°C over the districts of Andhra Pradesh.

Relative Humidity: The relative humidity remains in the range of 60 to 80% over the districts of Andhra Pradesh during next 2 (05th May, 2024 to 06th May 2024) days.

Heat Index: Heat Index is likely to be 50-60°C at isolated places of Andhra Pradesh & Yanam during next 2 days (05th May 2024 to 06th May 2024) and thereafter it is likely to be 40-50°C during subsequent 3 days (07th May 2024 to 09th May 2024)



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People are advised to take precautionary measure while going outside during day time between 1100 IST-1600 Hrs IST in prevailing heatwave over Coastal Andhra Pradesh and Rayalaseema. The maximum temperature likely to exceed 98th percentile at isolated pockets over Rayalaseema during 05th May, 2024 to 06th May 2024.

Day's	Warnings
Day-1 (05 th May 2024)	<p>Orange Warning: Heat wave conditions very likely to occur at one or two places over the districts of NTR District, Palnadu, Prakasam, SPSR Nellore, Kurnool, Nandyal, Anantapuramu, YSR District, Annamayya District</p> <p>Yellow warning:-(Be Updated) Heat wave conditions very likely to occur at one or two places over the districts of Sri Sathya Sai District, Chittoor, Guntur, Tirupati.</p> <p>Thunderstorm accompanied with lightning likely at isolated places over Coastal Andhra Pradesh & Yanam and Rayalaseema.</p> <p>Gusty winds with wind speed 30 to 40 kmph likely at isolated places over North Coastal Andhra Pradesh & Yanam and Rayalaseema.</p> <p>Hot, Humid and Discomfort weather likely at isolated places over the remaining districts of Andhra Pradesh.</p>
Day-2 (06 th May 2024)	<p>Orange Warning: Heat wave conditions very likely to occur at one or two places over the districts of Kurnool, Nandyal, Anantapuramu, YSR District, Annamayya District</p> <p>Yellow warning:-(Be Updated) Heat wave conditions very likely to occur at one or two places over the districts of Sri Sathya Sai District, Chittoor, Tirupati.</p> <p>Thunderstorm accompanied with lightning likely at isolated places over Coastal Andhra Pradesh & Yanam and Rayalaseema.</p> <p>Gusty winds with wind speed 30 to 40 kmph likely at isolated places over North Coastal Andhra Pradesh & Yanam and Rayalaseema.</p>



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	<p>Hot, Humid and Discomfort weather likely at isolated places over the remaining districts of Andhra Pradesh.</p>
Day-3 (07 th May 2024)	<p>Yellow warning:- (Be Updated) Thunderstorm accompanied with lightning likely at isolated places over Coastal Andhra Pradesh & Yanam and Rayalaseema. Gusty winds with wind speed 40 to 50 kmph likely at isolated places over Coastal Andhra Pradesh & Yanam and Rayalaseema. Hot, Humid and Discomfort weather likely at isolated places over the districts of Rayalaseema. Heavy rainfall likely isolated places over Coastal Andhra Pradesh & Yanam and Rayalaseema.</p>
Day-4 (08 th May 2024)	<p>Yellow warning:- (Be Updated) Thunderstorm accompanied with lightning likely at isolated places over Coastal Andhra Pradesh & Yanam and Rayalaseema. Gusty winds with wind speed 40 to 50 kmph likely at isolated places over Coastal Andhra Pradesh & Yanam and Rayalaseema. Hot, Humid and Discomfort weather likely at isolated places over the districts of Rayalaseema. Heavy rainfall likely isolated places over Rayalaseema.</p>
Day-5 (09 th May 2024)	<p>Yellow warning:- (Be Updated) Thunderstorm accompanied with lightning likely at isolated places over Coastal Andhra Pradesh & Yanam and Rayalaseema. Gusty winds with wind speed 40 to 50 kmph likely at isolated places over Coastal Andhra Pradesh & Yanam and Rayalaseema. Hot, Humid and Discomfort weather likely at isolated places over the districts of Rayalaseema.</p>

Dr.Sagili Karunasagar
Scientist C & LACD Head
Meteorological Centre, Amaravati



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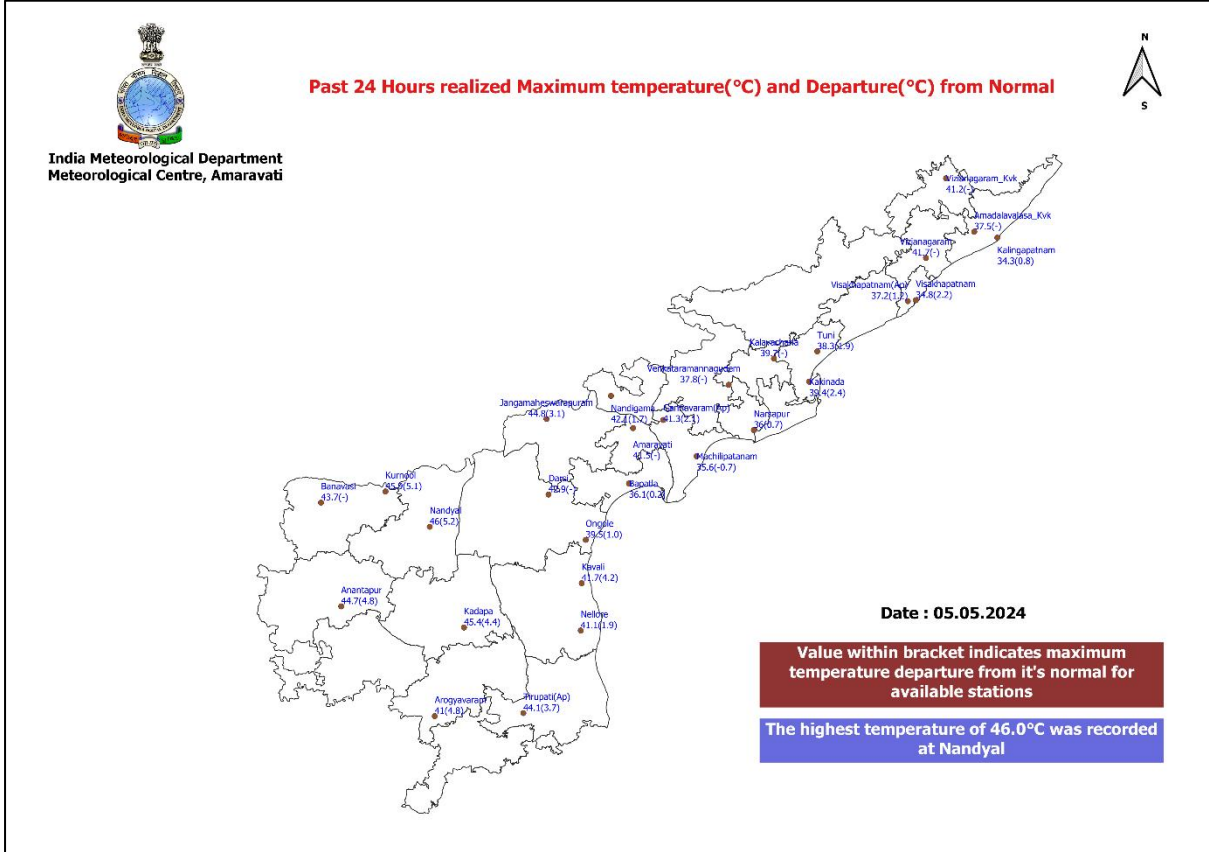
To:

1. Chief secretary, Government of Andhra Pradesh.
2. M.D., ASPDMA, Government of Andhra Pradesh.
3. Principal secretary, Department of Agriculture, Government of Andhra Pradesh.
4. Principal secretary, Department of Animal Husbandry, Government of Andhra Pradesh.
5. Principal secretary, Department of Higher Education, Government of Andhra Pradesh.
6. Principal secretary, Department of Public Health and Family Welfare, Government of Andhra Pradesh.
7. Special secretary, Department of Water Resource, Government of Andhra Pradesh.
8. Principal secretary Department Panchayat Raj and Rural development, Government of Andhra Pradesh.
9. Relief commissioner, Government of Andhra Pradesh.
10. Andhra Pradesh State Election commission.
11. Regional administrator/Deputy Collector of Yanam.
12. Chief Controller, South Central Railways.

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Warm Night

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 °C.

Heat Wave

When maximum temperature of a station reaches ≥40° C for plains and ≥30° 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 ≥6.5° C

(b). Based on Actual maximum temperature

Heat Wave: When actual maximum temperature ≥45°C.

Severe Heat Wave: When actual maximum temperature ≥47°C

(c). Criteria for heat wave for coastal stations

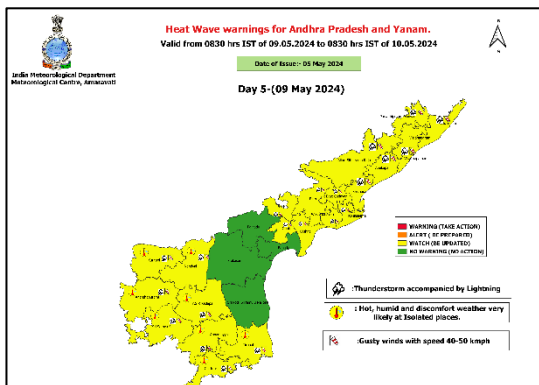
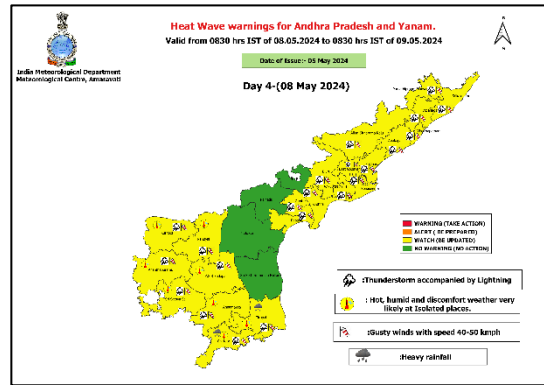
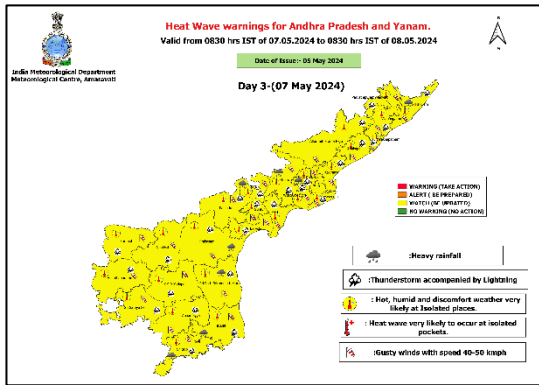
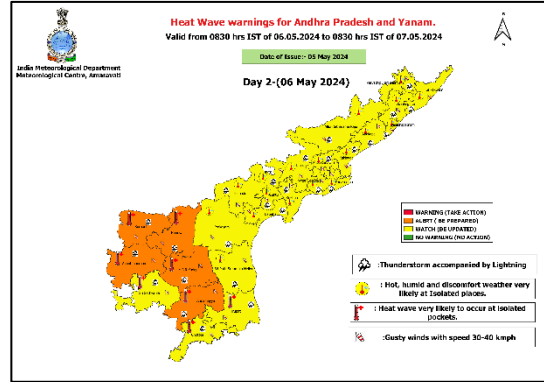
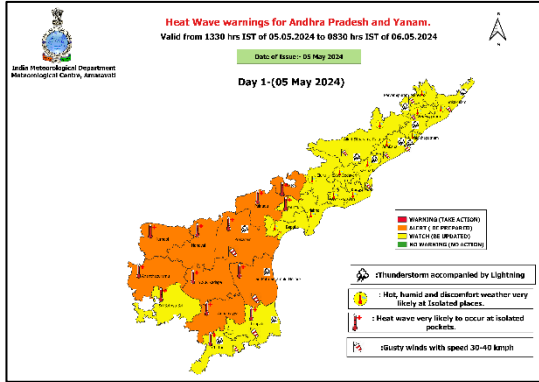
When maximum temperature departure is >4.5°C from normal. Heat Wave may be described provided maximum temperature ≥37°C

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Next Five day's Heat Wave Warnings





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Web Link for Heatwave products: http://103.215.208.18/dwr_img/GIS/heatwave.html

Contact us: Phone:8331086973, Email: mc.amaravati@gmail.com,

Visit us: <https://mausam.imd.gov.in/amaravati/>

Social Media (Instagram, Twitter, Facebook, YouTube) links:

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:<https://www.facebook.com/MC-Amaravati-IMD-100787794998444>

:<https://www.youtube.com/channel/UCMhKw9DfBAIcfpacLYVppCw>

Android apps: Mausam- weather forecast; Damini- lightning; Meghdoot agriculture forecast.

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