



भारत 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

భారత ప్రభుత్వం

భూ విజ్ఞాన మంత్రిత్వ శాఖ

భారత వాతావరణ శాఖ

వాతావరణ కేంద్రం అమరావతి-522240

Date: 07-05-2024

Time of Issue: 1600 Hours IST

PRESS RELEASE

Subject: Isolated heavy rainfall very likely over Coastal Andhra Pradesh & Yanam, Rayalaseema during 07th & 08th May 2024

Chief Amounts of rainfall (3 cm and above) recorded on 07.05.2024

Coastal Andhra Pradesh & Yanam:

05/07/2024: Palasa (dist Srikakulam) 6, Tekkali (dist Srikakulam) 5, Parvathipuram (dist Parvathipuram Manyam) 4, Vepada (dist Vizianagaram) 3, Pathapatnam (dist Srikakulam) 3, Anakapalle (dist Anakapalli) 3, Veeraghattam (dist Parvathipuram Manyam) 3, Kalingapatnam (dist Srikakulam) 3, Araku Valley (dist Alluri Sitharamaraju) 3, Bheemunipatnam (dist Vishakhapatnam) 3, Anakapalle(a) (dist Anakapalli) 3, Komarada (dist Parvathipuram Manyam) 3.

Rayalaseema:

05/07/2024: Palamaner (dist Chittoor) 6, Atmakur (dist Nandyal) 5, Arogyavaram (dist Annamayya District) 5, Madanapalle (dist Annamayya District) 4, Atlur (dist Ysr District) 4, Nandavaram (dist Kurnool) 3.

Synoptic Situation

1. A trough/wind discontinuity runs from east Vidarbha to north Tamil Nadu across Telangana & Interior Karnataka and extends upto 1.5 km above mean sea level.

Rainfall Warnings

DAY 1 (07.05.2024): Heavy Rainfall likely at Isolated places over the districts Parvathipuram Manyam, Visakhapatnam, NTR District, Palnadu, Prakasam, Nandyal, YSR District, Tirupathi. Thunderstorm accompanied with lightening and Gusty winds 40-50Kmph likely at Isolated places over NCAP, Yanam, SCAP and Rayalaseema. Heat wave likely at Isolated places over Rayalaseema.

DAY 2 (08.05.2024): Heavy Rainfall likely at Isolated places over the districts Srikakulam, Sri Alluri Sitharama District, SPSR Nellore, Annamayya District, Tirupathi, Chittoor. Thunderstorm accompanied with lightening and Gusty winds 40-50Kmph likely at Isolated places over NCAP, Yanam, SCAP and Rayalaseema.

DAY 3 (09.05.2024): Thunderstorm accompanied with lightening and Gusty winds 30-40 Kmph likely at Isolated places over NCAP, Yanam, SCAP and Rayalaseema.

DAY 4 (10.05.2024): Thunderstorm accompanied with lightening and Gusty winds 30-40 Kmph likely at Isolated places over NCAP, Yanam, SCAP and Rayalaseema.

DAY 5 (11.05.2024): Thunderstorm accompanied with lightening and Gusty winds 30-40 Kmph likely at Isolated places over NCAP, Yanam, SCAP and Rayalaseema.

Impact Expected

- Water logging/ flooding in many parts of low lying area and river banks.
- Partial damage to vulnerable structures due to strong winds.
- Minor damage to kutcha houses/walls and huts.
- Uprooting of telephone/Electrical poles may take place.
- Damage to ripe paddy, mango and other crops.
- Minor damage to banana trees.
- Minor damage to loose/unsecured structures.
- Flash Flood and Riverine flood, Urban Flash Flood and Flash flood over Hilly areas with steep topography, landslides and debris flow, Local Inundation, Road and Traffic disruption.
- Infrastructural Damage-Houses, roads, Airport, Hospitals, City center
- Emergency Services gets affected- Electricity, Phone/Internet and water.
- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- Possibility of danger to very old buildings and unmaintained structures, falling of trees etc.
- Moderate temperature. Heat is tolerable for general public but moderate health concern for vulnerable people e.g. infants, elderly, people with chronic diseases.

Activity Suggested

- Take safe shelters; do not take shelter under trees.
- Unplug electrical/ electronic appliances.
- Keep away from all the objects that conduct electricity.
- Farming operations to be temporarily suspended during occurrence of event.
- Move away from water bodies, electric poles and wires.
- Traffic may be regulated effectively.
- People in the affected area may restrict their movement.
- Avoid heat exposure. Wear lightweight, light coloured, loose, cotton clothes. Cover your head using a cloth, hat or umbrella.



India Meteorological Department
Meteorological Centre, Amaravati

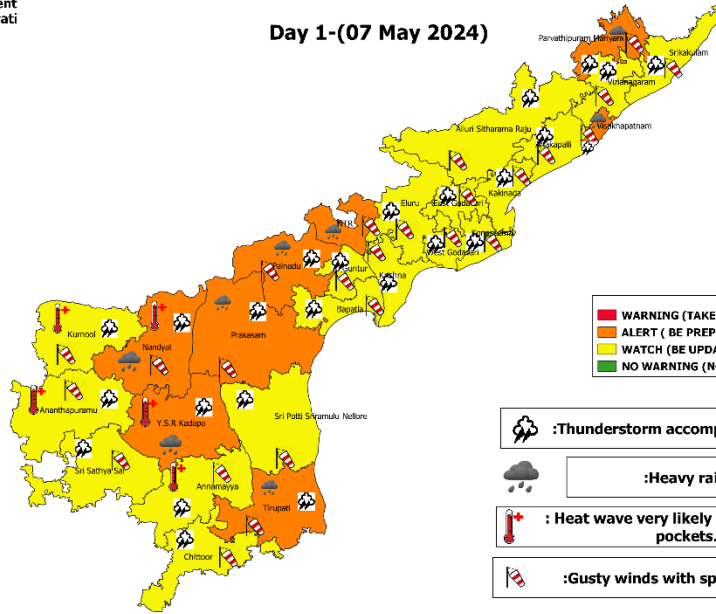
Heat Wave warnings for Andhra Pradesh and Yanam.

Valid from 1330 hrs IST of 07.05.2024 to 0830 hrs IST of 08.05.2024



Date of Issue:- 07 May 2024

Day 1-(07 May 2024)



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

- :Thunderstorm accompanied by Lightning
- :Heavy rainfall
- : Heat wave very likely to occur at isolated pockets.
- :Gusty winds with speed 40-50 kmph



India Meteorological Department
Meteorological Centre, Amaravati

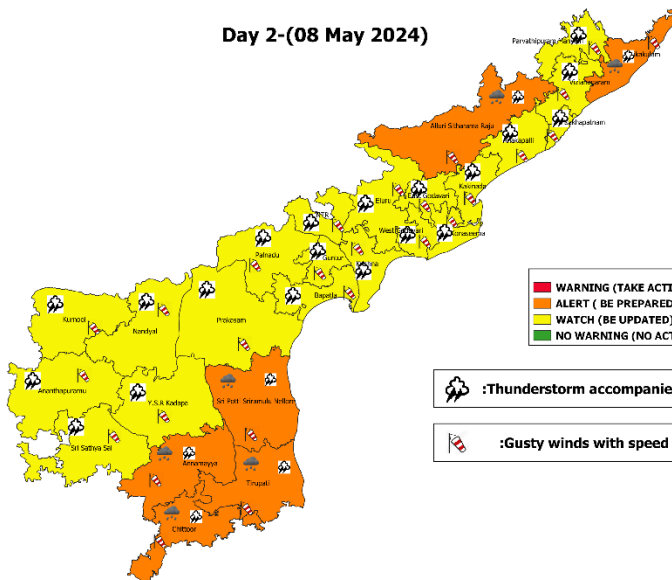
Heat Wave warnings for Andhra Pradesh and Yanam.

Valid from 0830 hrs IST of 08.05.2024 to 0830 hrs IST of 09.05.2024



Date of Issue:- 07 May 2024

Day 2-(08 May 2024)



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

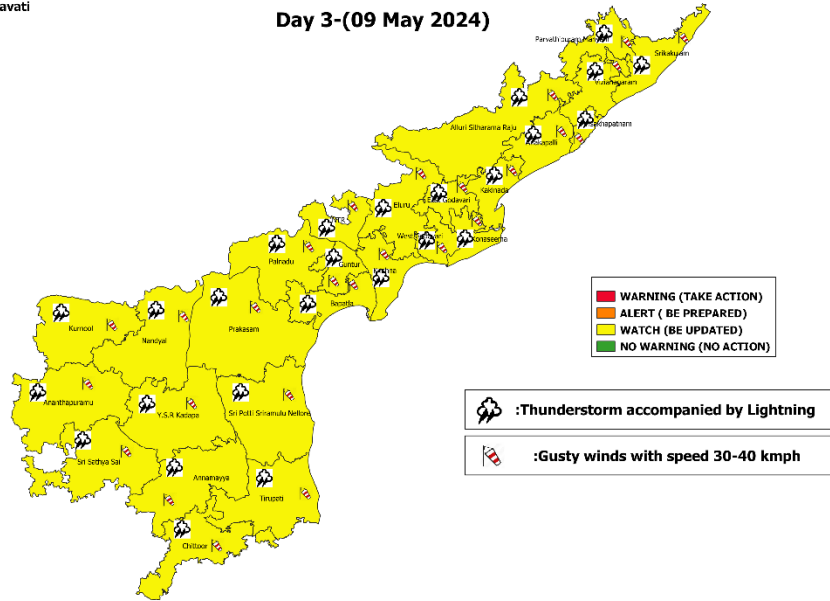
- :Thunderstorm accompanied by Lightning
- :Gusty winds with speed 40-50 kmph

Heat Wave warnings for Andhra Pradesh and Yanam.
 Valid from 0830 hrs IST of 09.05.2024 to 0830 hrs IST of 10.05.2024



Date of Issue:- 07 May 2024

Day 3-(09 May 2024)



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

 :Thunderstorm accompanied by Lightning

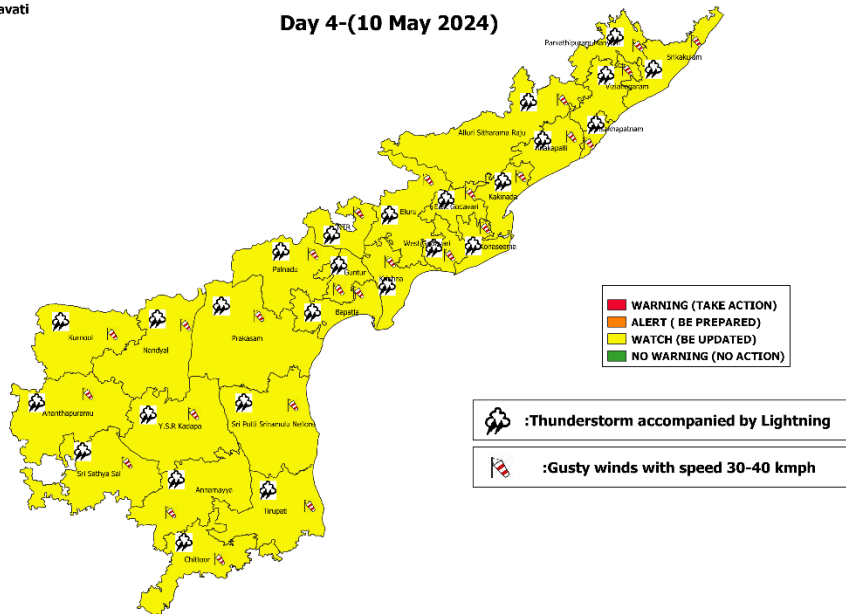
 :Gusty winds with speed 30-40 kmph

Heat Wave warnings for Andhra Pradesh and Yanam.
 Valid from 0830 hrs IST of 10.05.2024 to 0830 hrs IST of 11.05.2024




Date of Issue:- 07 May 2024

Day 4-(10 May 2024)



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

 :Thunderstorm accompanied by Lightning

 :Gusty winds with speed 30-40 kmph



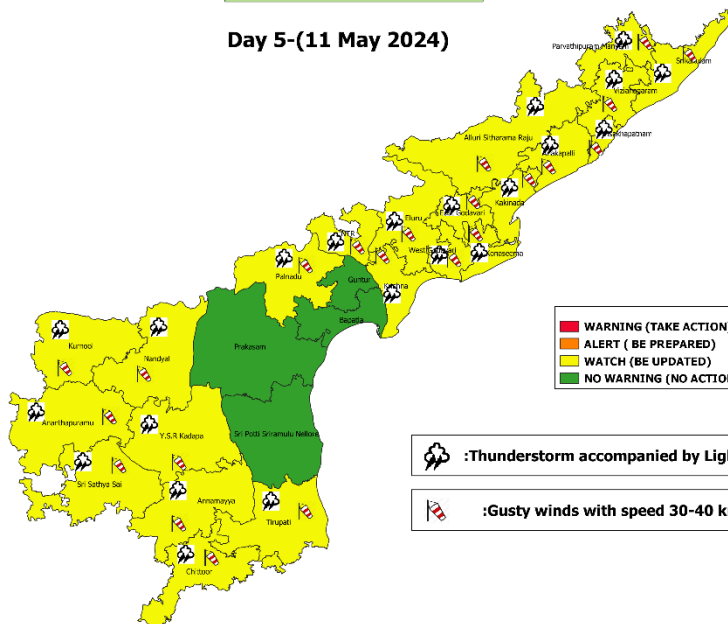
India Meteorological Department
Meteorological Centre, Amaravati

Heat Wave warnings for Andhra Pradesh and Yanam.
Valid from 0830 hrs IST of 11.05.2024 to 0830 hrs IST of 12.05.2024



Date of Issue:- 07 May 2024

Day 5-(11 May 2024)



■ WARNING (TAKE ACTION)
■ ALERT (BE PREPARED)
■ WATCH (BE UPDATED)
■ NO WARNING (NO ACTION)

:Thunderstorm accompanied by Lightning
 :Gusty winds with speed 30-40 kmph

COLOUR CODES

RiskLevel	Response
VeryLow	No Action
Low	Be Updated
Medium	Be Prepared
High	TakeAction

Legend:

NCAP: North Coastal Andhra Pradesh

SCAP: South Coastal Andhra Pradesh

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