

**UNIVERSITY OF AGRICULTURAL SCIENCES, BENGALURU &
INDIAN METEOROLOGICAL DEPARTMENT**



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Date:14-11-2024

AGRO-ADVISORY BULLETIN FOR KODAGU DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

| Parameter | 10.11.2024 | 11.11.2024 | 12.11.2024 | 13.11.2024 | 14.11.2024 |
|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max. Temp. (°C) | 29.9 | 29.8 | 29 | 29.1 | 36.4 |
| Min. Temp. (°C) | 16.2 | 16.5 | 17.4 | 20 | 26.3 |
| Sky condition (Octas) | - | - | - | - | 7 |
| Relative humidity (%) 0830 hours | 80 | 80 | 74 | 97 | 71 |
| Relative humidity (%) 1730 hours | - | - | - | - | 73 |
| Wind Speed (km/h) | - | - | - | - | 0 |
| Wind Direction | - | - | - | - | 0 |

Weather forecast for the next five days (From 15-11-2024 to 19-11-2024)

| Parameter | 15.11.2024 | 16.11.2024 | 17.11.2024 | 18.11.2024 | 19.11.2024 |
|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Rainfall (mm) | 12 | 9 | 7 | 4 | 0 |
| Max. Temp. (°C) | 26.5 | 27.1 | 27.1 | 27.2 | 27.6 |
| Min. Temp. (°C) | 20.2 | 20 | 19.9 | 19.7 | 19 |
| Sky condition (Octas) | 7 | 7 | 5 | 5 | 3 |
| Relative humidity (%) 0830 hours | 92 | 92 | 93 | 93 | 90 |
| Relative humidity (%) 1730 hours | 61 | 61 | 60 | 55 | 49 |
| Wind Speed (kmph) | 5.9 | 6 | 6 | 7.1 | 7.6 |
| Wind Direction | 76 | 73 | 73 | 75 | 71 |

Forecast Summary

As forecast received from IMD, cloudy sky with **light rainfall** may be expected from 15.11.2024 to 19.11.2024 in Kodagu district. The day temperature is expected to be 26.5-27.6°C & night temperature is expected 19-20.2°C. The relative humidity in the morning hours is expected to be 90-93% & afternoon relative humidity is expected to be in the range of 49-61%. Wind speed expected to be 5.9-7.6km/ hr.

| Recommendations to the farmers: | | | |
|---|--------------|-----------------|------------------|
| Crop | Pest/Disease | Damage symptoms | Control measures |
| General Advisory: | | | |
| <ul style="list-style-type: none"> Adjust irrigation schedules; reduce watering as light rain helps maintain soil moisture. Regularly check soil moisture to determine if additional irrigation is necessary. Implement timely weeding, as light rain can stimulate weed growth. Use mulch to suppress weeds and retain soil moisture. Ensure good airflow around plants to reduce humidity and discourage fungal diseases. Apply preventive fungicides for susceptible crops to prevent diseases like blight and rust. Apply top dressing or fertilizers, as light rain helps absorb nutrients without risk of runoff. Use organic amendments like compost, which integrate well with light moisture. Check drainage to prevent waterlogging, even if rain is light. Use mulch to retain the moisture from light rain, keeping the soil hydrated longer. | | | |

| Weather based advisory | | |
|-------------------------|-----------------------------------|--|
| Crop | Stage | Advisory |
| Cabbage and cauliflower | Head formation stage | Maintain moisture with irrigation if needed; ensure good drainage to prevent root diseases. |
| Bean | Pod formation stage | Monitor for aphids; avoid overhead irrigation to prevent pod rot. |
| Tomato | Fruit development stage | Use calcium spray to prevent blossom end rot; apply mulch to retain soil moisture. |
| Red gram | Flowering to pod initiation stage | Light irrigation beneficial; avoid excess moisture to prevent fungal diseases. |
| Paddy | Milking stage | Maintain consistent water levels; check for pests like stem borers in humid conditions. |
| Chilli | Fruit development stage | Provide moderate irrigation; apply mulch to retain soil moisture. |
| Field bean | Pod development | Avoid over-irrigation; monitor for pest and disease incidents. |
| Banana | Fruit development stage | Ensure regular watering; secure plants to prevent wind damage. |
| Turmeric, Ginger | Harvesting stage | Harvest during dry spells; dry harvested rhizomes in partial sunlight. |
| Black pepper | Berry development stage | Use drip irrigation if needed; avoid water stagnation around roots. |
| Coffee | Berry development stage | Prune excess foliage for air circulation to prevent fungal issues. |
| Horticultural crops | Various stages | Provide adequate irrigation; monitor for pest outbreaks; avoid moisture stress in fruiting crops. |
| Livestock | Shelter and Feeding | Ensure shelter during cloudy, humid days; provide clean, dry bedding and ventilation. |
| Sericulture | Rearing stage | Maintain ideal room humidity and temperature; use clean, fresh mulberry leaves; monitor for fungal issues. |

Recommendation to farmers

Crop specific advisory:

| Crop | Stage | Advisory |
|---|-------------------------|--|
| Cabbage diamond back moth | Head stage | <ul style="list-style-type: none"> Spray DDVP 76 EC. @0.5 ml./lit water in nursery. 15 days before transplanting around the main field and every 25 rows of cabbage one row of mustard sowing, 15 to 20 days after cabbage planting another row of mustard sowing. Mustard as trap crop. Spray on mustard with 0.5 ml. DDVP in a lit. water. During head formation, spray 5 per cent NSKE . Birdpurchases may be provided to attract predatory birds. |
| Tomato whiteflies | Fruiting stage | Spray 1.0ml.Oxydemeton methyl 25 EC in a lit. water. |
| Bean Pod borer | Pod formation stage | Spray 2.0 ml. Malathion 50 EC./ lit. water . |
| Tomato Early and late blight of tomato | Fruiting stage | <p>For late blight of tomato 15 days prior to transplanting Trichoderma and Pseudomonas enriched compost may be incorporated to the soil. For early blight control spray 2.0 g. Mancozeb 75 WP</p> <p>OR</p> <p>2.0 g. Maneb</p> <p>OR</p> <p>2.0 g. Metalaxyl- MZ 72WP.</p> <p>OR</p> <p>2.0 g. Dimethomorph + polyram/lit. water.</p> <p>For control of late blight spray 2.0 g. Metalaxyl - MZ 72WP.</p> <p>OR</p> <p>2.0 g. Fosetyl al 80 WP</p> <p>OR</p> <p>2.0 g. Dimethomorph + polyram in a lit. water, 5 weeks after transplanting. Repeat the spray 7th, 9th and 11th weeks after transplanting. 200- 250 lit. spray solution required/acre/spray.</p> |
| Rice earhead bug | Panicle emergence stage | <p>> During milky stage of the crop; spray Malathion 50 EC. at 2.0 ml./lit. of water .</p> <p style="text-align: center;">OR</p> <p>> Dust 8 - 10 kg. Malathion 5 D./acre during morning hours.</p> |
| Rice Brown plant hoppers | Panicle emergence stage | <p>Spray any one of the following insecticides per lit. water</p> <ol style="list-style-type: none"> 1) Imidacloprid 17.8 SL.- 0.5 ml. 2) Thiamethoxam 25 WG.- 0.7 g. 3) Monocrotophos 36 SL.- 1.5ml 4) Chlorpyriphos 20 EC.- 2.0 ml. 5) Buprofezin 25 EC.- 1.4ml. <p>> Spray solution should reach the base of the plant.</p> <p>> Around 400 to 450 lit. spray solution required/acre.</p> <p>Granular insecticide kg./ac</p> <ol style="list-style-type: none"> 1) Carbofuran 3 G- 8.0 2) Phorate 10 G- 5.0 3) Quinalphos 5 G - 12.0 <p>N.B: Drain out the water and apply granules. Two days after application light irrigation may be provided.</p> |

| | | |
|--|-----------------------------------|---|
| Red gram wilt | Flowering to pod initiation stage | 5.0 g. Trichoderma viridae OR 3.0 g. Carbendazim + Mancozeb 75 WP. then sown. In wilt endemic areas before sowing enriched Trichoderma FYM incorporated to soil OR Sow wilt resistant red gram variety BRG 5 or Maruthi (ICP 8863). |
| Red gram Sterility mosaic | Flowering to pod initiation stage | Pull out the infested plants and destroy. 20 - 25, 40 - 45 days after sowing spray 2.5 ml. Dicofol 18.5 EC./lit. water. ICP 7035 sterility mosaic resistant red gram variety. |
| Banana Leaf spot (Cigatoka) | Fruit development | In endemic areas grow resistant banana variety - Sakkare bale. At the time of planting the rhizomes may be treated with any one of the Fungicides /lit. water a) Propiconazole 25 EC.- 1.0 ml. b) Thiophenate methyl 70 Wdiv.- 1.0 g. c) Carbendazim 50 Wdiv.- 1.0 g. d) Metham Sodium (Vapom) - 1.0 g. In Mashy area provide drainage. |
| Field bean pod borer | Pod development | Dust 10 kg. Fenvalrate 0.4 D. OR Malathion 5 D. per acre during morning hours. |
| Paddy Leaf folder | Panicle emergence stage | Apply any one of the following insecticides per lit. water a) Quinalphos 25 EC. - 2.0 ml. b) Indoxacarb 14.5 SC. - 0.5ml. c) Flubendiamide 48 SC. - 0.08ml. d) Flubendiamide 20 WG. - 0.2 g. Drain out the water and spray the insecticide. 250 - 300 lit. spray mixture requires per acre. |
| Paddy Bacterial leaf blight | Panicle emergence stage | 25 and 50 DAT add 0.5 g. Streptocycline and 2.5 g. Copper oxychloride 50 WP for a lit. Water and spray. 200 to 250 lit. Spray mixture requires/acre/time. |
| Ginger Rhizome rot | Harvesting stage | 2.0 g. Metalaxyl - MZ 72Wdiv. in a lit. water. Before store of seed material soak them in 3.0 g. Mancozeb 75 Wdiv. in a lit. water for 30 min then dry in shade and store. |
| Pepper Quick wilt and black rot disease | Berry development stage | Drench 10 lit. fungicide mixture/vine viz., 0.125 per cent Metalaxyl - MZ 72Wdiv. OR 2 per cent Copper oxychloride 50 Wdiv. Spray any one of the following fungicide in the month of August - September. Fungicides a) 1% Bordeaux mixture + 3 % Potassium phosphonate b) 1% Pseudomonas fluorescence. Incorporate Trichogramma (50 g) enriched compost (5 kg.) to the base of the vine. |

Block level weather forecast (From 15-11-2024 to 19-11-2024)**Madikeri**

| Parameter | 15.11.2024 | 16.11.2024 | 17.11.2024 | 18.11.2024 | 19.11.2024 |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|
| Rainfall (mm) | 17.9 | 9.4 | 7.3 | 3.8 | 0 |
| Max. temp (°C) | 26.4 | 26.2 | 26.4 | 26.2 | 26.9 |
| Min.Temp (°C) | 19.5 | 19.7 | 19.6 | 19.2 | 18.5 |
| Sky condition (Octas) | 7 | 7 | 6 | 5 | 3 |
| Relative humidity (%) 0830 hours | 94.6 | 93.3 | 92.8 | 91 | 91 |
| Relative humidity (%) 1730 hours | 59.1 | 61.7 | 59.3 | 60 | 48 |
| Wind Speed (kmph) | 6.8 | 6.5 | 7.8 | 7 | 7.2 |
| Wind Direction | 71.6 | 70.6 | 68.2 | 68.7 | 63.4 |

Somvarpet

| Parameter | 15.11.2024 | 16.11.2024 | 17.11.2024 | 18.11.2024 | 19.11.2024 |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|
| Rainfall (mm) | 17.1 | 7.4 | 6.6 | 3.6 | 0 |
| Max. temp (°C) | 25.6 | 26.2 | 26.2 | 26.2 | 26.5 |
| Min.Temp (°C) | 19.2 | 19.5 | 19.5 | 18.9 | 18.2 |
| Sky condition (Octas) | 7 | 7 | 6 | 5 | 3 |
| Relative humidity (%) 0830 hours | 94.7 | 93.7 | 93 | 90.7 | 90.8 |
| Relative humidity (%) 1730 hours | 62.1 | 60.8 | 60.8 | 58.2 | 48.8 |
| Wind Speed (kmph) | 7.2 | 7.2 | 7.9 | 8.3 | 7.9 |
| Wind Direction | 95.7 | 0 | 0 | 0 | 0 |

Virajpet

| Parameter | 15.11.2024 | 16.11.2024 | 17.11.2024 | 18.11.2024 | 19.11.2024 |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|
| Rainfall (mm) | 11.6 | 10.8 | 6.6 | 7 | 0 |
| Max. temp (°C) | 28.5 | 28.5 | 28.5 | 29 | 29 |
| Min.Temp (°C) | 20.6 | 20.6 | 20.5 | 20.2 | 19.8 |
| Sky condition (Octas) | 7 | 6 | 6 | 4 | 2 |
| Relative humidity (%) 0830 hours | 92.7 | 93.5 | 94.5 | 93.5 | 88.5 |
| Relative humidity (%) 1730 hours | 51.8 | 53.1 | 55.2 | 52.4 | 42.9 |
| Wind Speed (kmph) | 6.6 | 6.1 | 7.9 | 7 | 7.7 |
| Wind Direction | 60.6 | 61.9 | 59.9 | 55.5 | 52.6 |

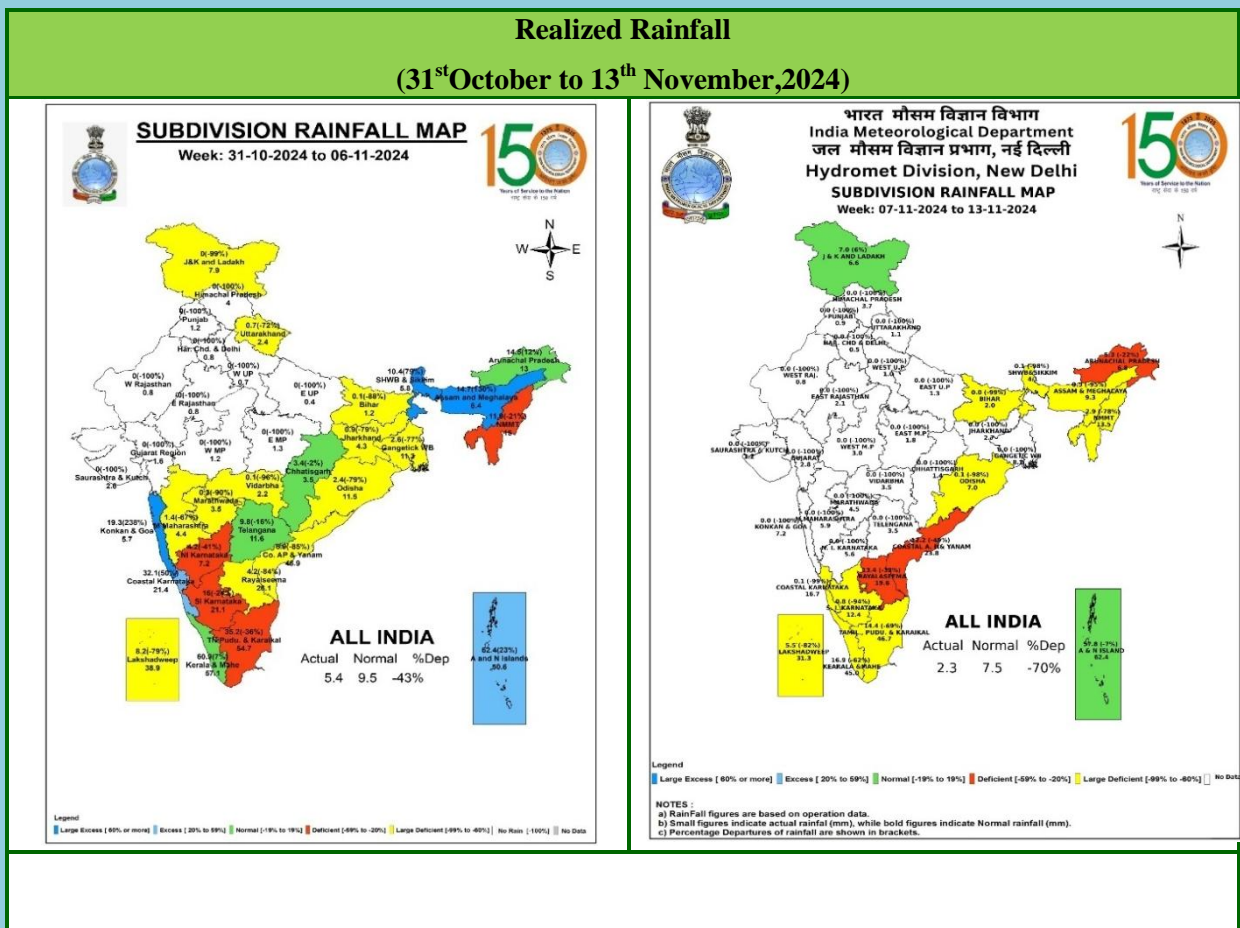
- Download “**DAMINI**” app to get early warning on lightening and take precautions based on the alert given by the application.
- Kindly download “**MAUSAM**” APP for location specific forecast & warning & “**MEGHDOOT**” APP for Agromet advisory
- This information is available in the website: mausam.imd.gov.in

For any information farmers can contact **Dr. C. Ramachandra**, Senior Farm Superintendent/ **Dr. Sumanth Kumar.G.V**, Technical officer over phone No. 0821-259126/ 9535345814.

AMFU of IMD,

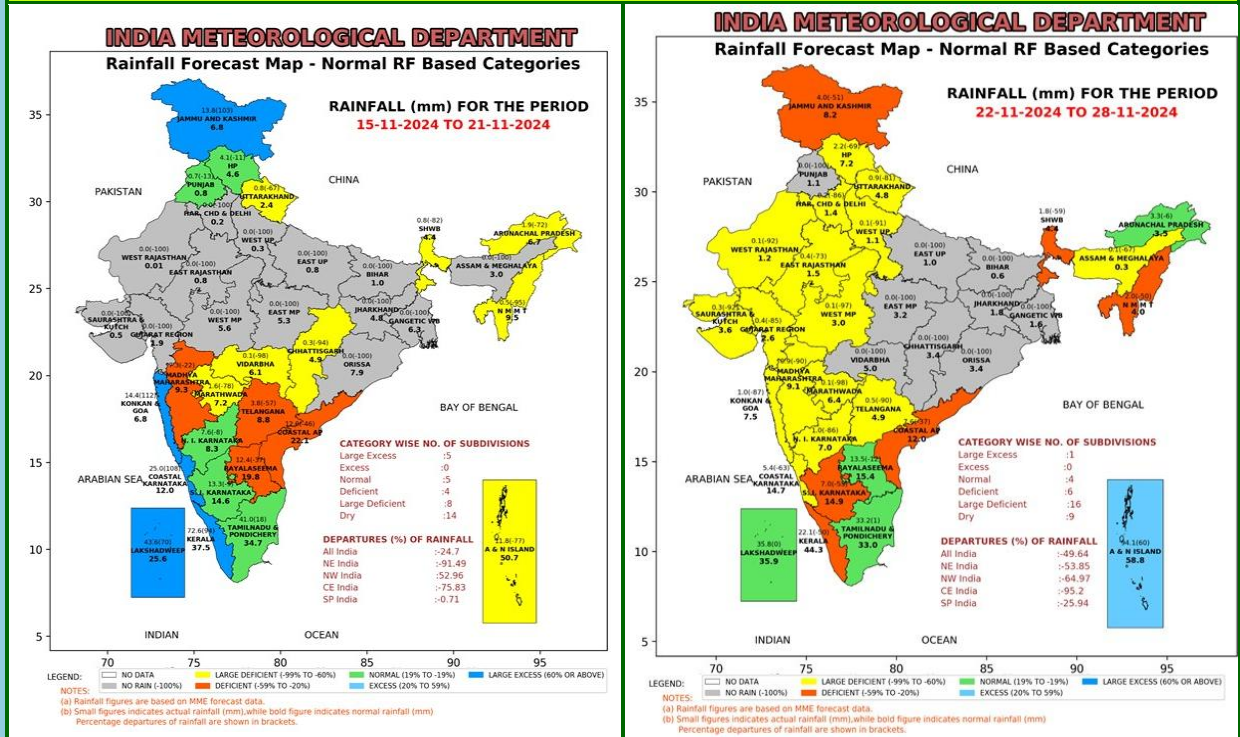
Naganahalli, Mysuru

वास्तविक वर्षा तथा विस्तारित अवधि पूर्वानुमान
Realized Rainfall and Extended Range Forecast
 (वर्षा और तापमान)
(Rainfall and Temperature)



Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC- 13th November, 2024) (15th to 28th November, 2024)



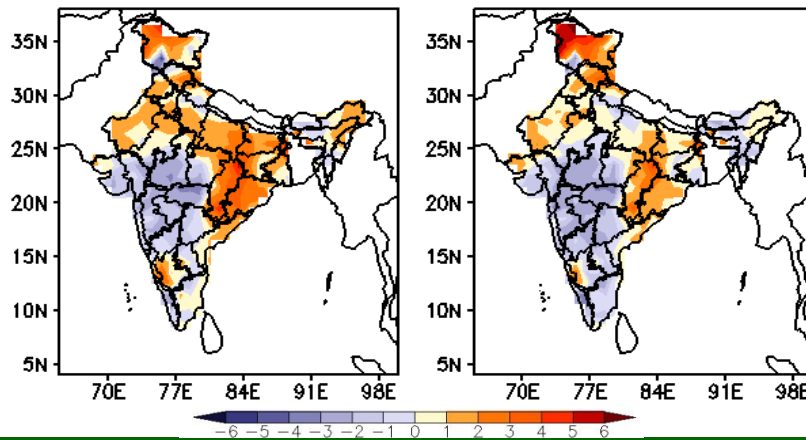
- **Week1 (15.11.2024 to 21.11.2024):** Rainfall is likely over Jammu & Kashmir, South India and some parts of Maharashtra. Above normal rainfall is likely over western coastal regions of the country.
- **Week 2 (22.11.2024 to 28.11.2024):** Rainfall is likely over some parts of South India and Andaman & Nicobar Islands.

**Maximum and Minimum temperature anomaly (°C) forecast
for the next 2 weeks (IC- 13thNovember, 2024)
(15th to 28thNovember, 2024)**

MME forecast Tmax anomaly (Deg C)

(Week1: 15Nov–21Nov)

(Week2: 22Nov–28Nov)



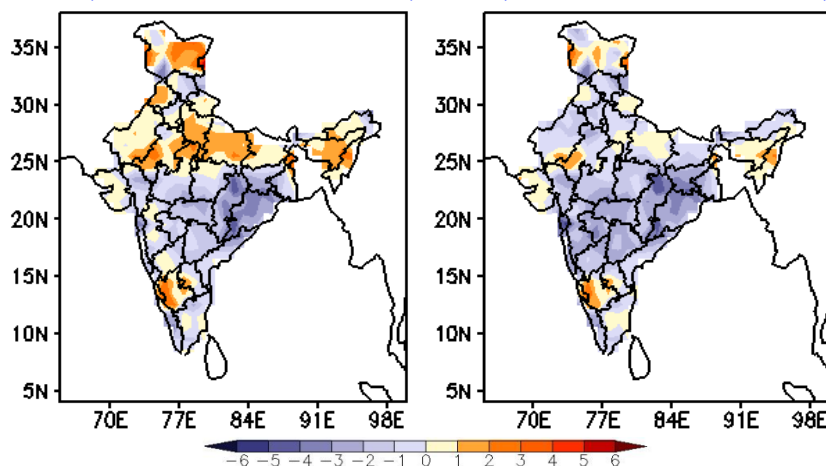
Maximum Temperature (Tmax)

- **Week 1 (15.11.2024 to 21.11.2024):**Maximum temperature is likely to be above normal over Northwest&East India, Chhattisgarh and parts of Northeast India, Coastal Andhra Pradesh and Karnataka. It is likely to be below normal over Central India and West India.
- **Week 2 (22.11.2024 to 28.11.2024):**Maximum temperature is likely to be above normal over Chhattisgarh, Coastal Karnataka and parts of Northwest& East India. It is likely to be below normal over Central & West India and parts of South India.

MME forecast Tmin anomaly (Deg C)

(Week1: 15Nov–21Nov)

(Week2: 22Nov–28Nov)



Minimum Temperature (Tmin)

- **Week 1 (15.11.2024 to 21.11.2024):** Minimum temperature is likely to be above normal over parts of NorthwestIndia, Northeast India and Karnataka. It is likely to be below normal over many parts of Central and East India.
- **Week 2 (22.11.2024 to 28.11.2024):** Minimum temperature is likely to be below normal over most parts of the country except parts of Jammu & Kashmir, Karnataka and Northeast India.