

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



**GRAMIN KRISHI MAUSAM SEWA
AMFU, OFRS, NAGANAHALLI,
MYSURU - 570003**



Date:10-12-2024

AGRO-ADVISORY BULLETIN FOR MYSURU DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	07.12.2024	08.12.2024	09.12.2024	10.12.2024
Rainfall (mm)	0	0	0	0
Max. Temp. (°C)	30.6	31	30.5	31
Min. Temp. (°C)	17.7	17	19	19.5
Sky condition (Octas)	4	2	4	7
Relative humidity (%) 0830 hours	80	80	77	57
Relative humidity (%) 1730 hours	28	60	61	60
Wind Speed (km/h)	2	4	2	4
Wind Direction	230	50	320	140

Weather forecast for the next five days (From 11-12-2024 to 15-12-2024)

Parameter	11.12.2024	12.12.2024	13.12.2024	14.12.2024	15.12.2024
Rainfall (mm)	0	0	15	8	0
Max. temp (°C)	27.5	26.7	24.2	24.1	26.2
Min.Temp (°C)	18.4	19	19.2	19.6	18.6
Sky condition (Octas)	6	6	7	8	6
Relative humidity (%) 0830 hours	89	92	92	89	86
Relative humidity (%) 1730 hours	49	53	68	66	51
Wind Speed (kmph)	4.4	7.6	8.6	11.3	10.9
Wind Direction	55	59	57	63	63

Forecast Summary

As forecast received from IMD, partially cloudy sky with **light rainfall** may be expected from 11.12.2024 to 15.12.2024 in Mysuru district. The day temperature is expected to be 24.1-27.5°C & night temperature is expected 18.4-19.6°C. The relative humidity in the morning hours is expected to be 86-92% & afternoon relative humidity is expected to be in the range of 49-68%. Wind speed expected to be 4.4-11.3 km/hr.

SMS Advisory

Farmers are advised to prioritize harvesting before the expected rainfall on 13th and 14th December to avoid grain quality deterioration. Store harvested paddy under dry and covered conditions to protect it from moisture damage.

Recommendations to the farmers:-

Crop	Pest/Disease	Damage symptoms	Control measures
General Advisory:			
<ul style="list-style-type: none"> • Harvest mature crops like paddy and tomato before 13th and 14th December to prevent quality deterioration. • Ensure proper drainage in all fields, particularly for horticultural and vegetable crops, to avoid waterlogging. • Postpone irrigation, pesticide, and fertilizer applications during rainy periods; resume once the weather improves. • • Store harvested produce in dry, covered areas to protect it from moisture damage. 			

Weather based advisory

Crop	Stage	Advisory
Paddy	Harvest stage	Harvest mature crops before the rainfall on 13th and 14th December. Store harvested paddy in a dry and covered area.
Tomato	Harvest stage	Harvest ripe fruits early to avoid damage from rainfall. Protect harvested produce with proper coverings.
Cabbage, Cauliflower	Head formation stage	Maintain good drainage to prevent waterlogging. Avoid pesticide application during rainy days.
Bean, Field Bean	Pod formation stage	Support plants to prevent lodging. Delay pesticide spraying until the rain subsides.
Red Gram	Pod development stage	Monitor for pod borer and other pests. Harvest mature pods early to minimize losses from rain.
Chilli	Vegetative/Fruit development	Avoid waterlogging to prevent fruit rot and wilting. Plan fertilizer applications after the rain subsides.
Banana	Fruit development stage	Proactively stake plants to avoid damage due to wind or rain. Remove dried leaves to reduce pest habitats.
Horticultural Crops	Various stages	Ensure proper drainage across fields. Postpone irrigation and chemical sprays during rainy days.

Livestock specific advisory

Livestock	-	Provide clean water and balanced feed. Supplement with mineral mixtures to maintain health. Vaccinate against common winter diseases like FMD, HS, and BQ. Keep shelters dry and insulated to prevent cold stress. Treat any illnesses promptly with veterinary assistance.
Poultry	-	Maintain warm, dry litter in sheds. Protect birds from cold with proper insulation and lighting. Provide clean water and balanced feed with vitamins to boost immunity during winter.

Sericulture advisory		
Sericulture	Rearing stage	Maintain 24-28°C temperature and 70%-80% humidity in rearing houses. Feed silkworms with fresh, clean mulberry leaves. Keep trays clean to prevent infections.

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	Hard dough 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	Hard dough 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

		<p>4) Chlorpyrifos 20 EC.- 2.0 ml. 5) Buprofezin 25 EC.- 1.4ml. > Spray solution should reach the base of the plant. > Around 400 to 450 lit. spray solution required/acre. Granular insecticide kg./ac 1) Carbofuran 3 G- 8.0 2) Phorate 10 G- 5.0 3) Quinalphos 5 G - 12.0 N.B: Drain out the water and apply granules. Two days after application light irrigation may be provided.</p>
Red gram Sterility mosaic	Pod initiation stage	<p>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.</p>
Banana Leaf spot (Cigatoka)	Fruit development	<p>In endemic areas grow resistant banana variety - Sakkare bale. At the time of planting the rhizomes may treated with any one of the Fungicides /lit. water a)Propiconazole 25 EC.- 1.0 ml. b)Theiophenate 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.</p>
Field bean pod borer	Pod development	<p>Dust 10 kg. Fenvalrate 0.4 D. OR Malathion 5 D. per acre during morning hours.</p>
Ginger Rhizome rot	Harvesting stage	<p>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.</p>

Block level weather forecast (From 11-12-2024 to 15-12-2024)

H.D. Kote

Parameter	11.12.2024	12.12.2024	13.12.2024	14.12.2024	15.12.2024
Rainfall (mm)	0	0	6.1	2.4	0
Max. temp (°C)	27.7	26.9	24	25.4	26.5

Min.Temp (°C)	18.8	19.2	19.2	19.1	18.4
Sky condition (Octas)	6	7	7	6	5
Relative humidity (%) 0830 hours	87.3	94	94.5	90.8	87.7
Relative humidity (%) 1730 hours	50.5	56.2	73.8	66.7	49
Wind Speed (kmph)	4.6	7.4	9.4	11.2	10
Wind Direction	38.6	60.9	57.5	56.8	52.3

Hunsuru

Parameter	11.12.2024	12.12.2024	13.12.2024	14.12.2024	15.12.2024
Rainfall (mm)	0	0	6	3.2	0
Max. temp (°C)	27.2	26.7	23.8	24.5	25.8
Min.Temp (°C)	18.7	18.8	19.1	18.8	18.1
Sky condition (Octas)	7	7	7	6	6
Relative humidity (%) 0830 hours	86.5	89.4	89.9	88.1	87.7
Relative humidity (%) 1730 hours	51.2	51.9	69.5	65.7	46.8
Wind Speed (kmph)	5.4	8.3	10.3	12.6	11.9
Wind Direction	36.8	55.6	60.7	62.7	61.1

K.R. Nagara

Parameter	11.12.2024	12.12.2024	13.12.2024	14.12.2024	15.12.2024
Rainfall (mm)	0	0	6.7	4.5	0
Max. temp (°C)	27.2	26.9	23.7	24.8	25.9
Min.Temp (°C)	18.9	18.9	19.2	18.9	18.1
Sky condition (Octas)	7	7	8	6	5
Relative humidity (%) 0830 hours	83.1	90.3	90.6	86.8	85
Relative humidity (%) 1730 hours	49.7	50.1	69.3	65	45.9
Wind Speed (kmph)	5.6	8.3	10.3	12.2	11.1
Wind Direction	45	55.6	60.7	61.9	65.1

Mysuru

Parameter	11.12.2024	12.12.2024	13.12.2024	14.12.2024	15.12.2024
Rainfall (mm)	0	0	8.7	5	0
Max. temp (°C)	27.6	27.2	23.5	25.2	26.2

Min.Temp (°C)	19.2	19.5	19.6	19.2	18.4
Sky condition (Octas)	7	7	7	7	5
Relative humidity (%) 0830 hours	88	93.1	96.3	91.5	90.6
Relative humidity (%) 1730 hours	50.7	55.8	77.9	67	47.4
Wind Speed (kmph)	6.4	9.2	9.2	11.6	11.3
Wind Direction	47.3	59.4	59.4	60.2	59.3

Nanjanagudu					
Parameter	11.12.2024	12.12.2024	13.12.2024	14.12.2024	15.12.2024
Rainfall (mm)	0	0	8.7	3.4	0
Max. temp (°C)	27.7	27.2	23.4	25.7	26.7
Min.Temp (°C)	19.2	19.7	19.8	19.6	18.6
Sky condition (Octas)	7	7	7	7	4
Relative humidity (%) 0830 hours	90.6	93.8	97.1	95.1	90.1
Relative humidity (%) 1730 hours	53.7	62.3	81.1	68.3	51.3
Wind Speed (kmph)	4.6	7.1	8.4	8.4	8.2
Wind Direction	51.3	59.5	59	59	61.2

Piriapatna					
Parameter	11.12.2024	12.12.2024	13.12.2024	14.12.2024	15.12.2024
Rainfall (mm)	0	0	4.9	3.3	0
Max. temp (°C)	26.7	26.1	24.1	24.1	25.7
Min.Temp (°C)	18	18.2	18.7	18.4	17.7
Sky condition (Octas)	7	7	8	7	5
Relative humidity (%) 0830 hours	86	89.1	87.7	88.6	88.7
Relative humidity (%) 1730 hours	50.4	51.1	63.8	66.7	46.1
Wind Speed (kmph)	5.6	7.5	11.3	12.7	11.6
Wind Direction	50.2	54.8	63.4	64.9	64.2

T. Narasipura					
Parameter	11.12.2024	12.12.2024	13.12.2024	14.12.2024	15.12.2024
Rainfall (mm)	0	0	8.2	3.3	0
Max. temp (°C)	28	27.6	23.7	25.7	26.7
Min.Temp (°C)	19.2	19.7	19.9	19.6	18.7

Sky condition (Octas)	7	7	7	7	4
Relative humidity (%) 0830 hours	88.6	92.7	93.9	92.1	92
Relative humidity (%) 1730 hours	50.6	57.7	75.8	65.8	46.2
Wind Speed (kmph)	4.6	7.5	7.3	9.4	8.3
Wind Direction	45	54.8	57.1	57.5	55.6

- 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

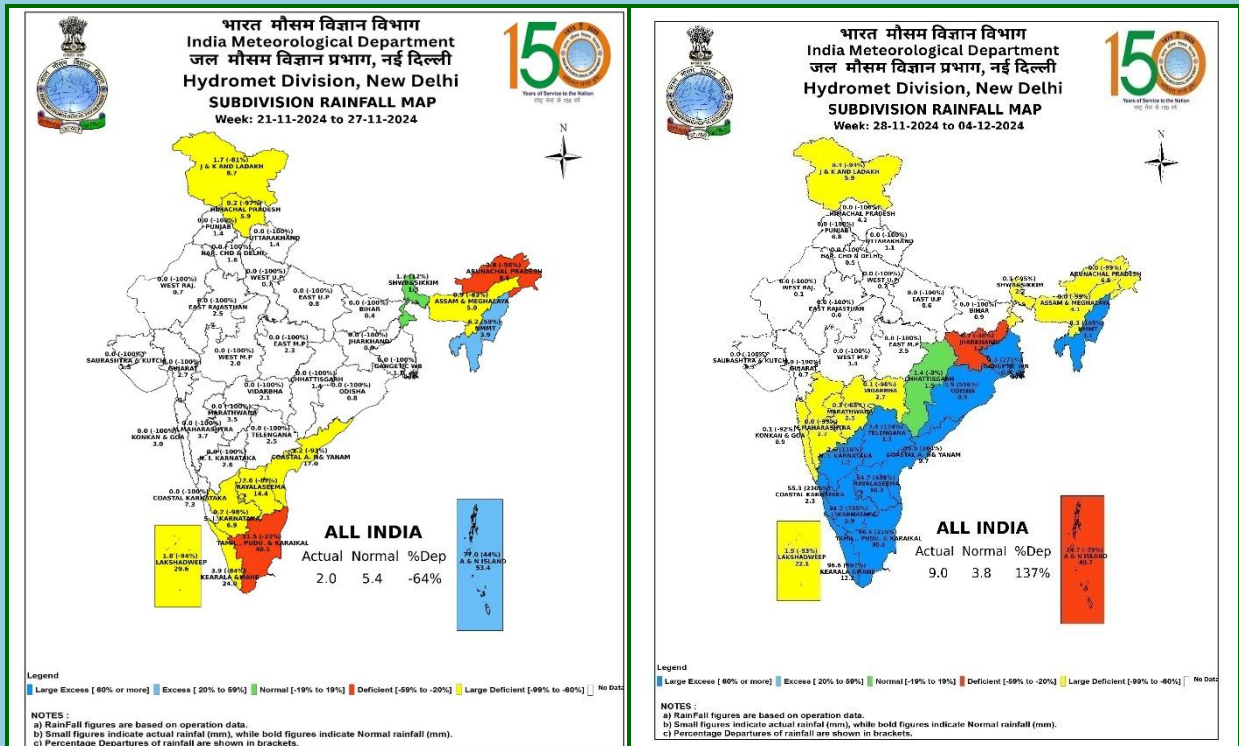
For any information farmers can contact **Dr.C.Ramachandra**, Senior Farm Superintendent/ **Dr. Sumanth Kumar.G.V**, Technical officer over phone No.0821-259126/ 9535345814.

**AMFU of IMD,
Naganahalli, Mysuru**

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

Realized Rainfall

(21th November to 4th December, 2024)



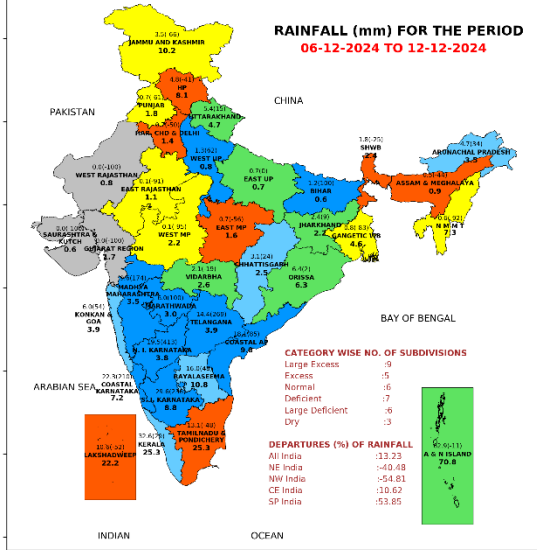
- Normal or above normal rainfall occurred in both the weeks over Nagaland Manipur Mizoram & Tripura (NMMT).
- Normal or above normal rainfall occurred in either of the two weeks over West Bengal & Sikkim, Odisha, Chhattisgarh, Telangana, Andhra Pradesh & Yanam, Karnataka, Kerala & Mahe, Tamil Nadu Puducherry & Karaikal and Andaman & Nicobar Islands.
- Below Normal rainfall/no rain occurred in both the weeks over rest of the States & UTs.

Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC- 4th December,2024) (6th to 19th December, 2024)

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Rainfall Forecast Map - Normal RF Based Categories

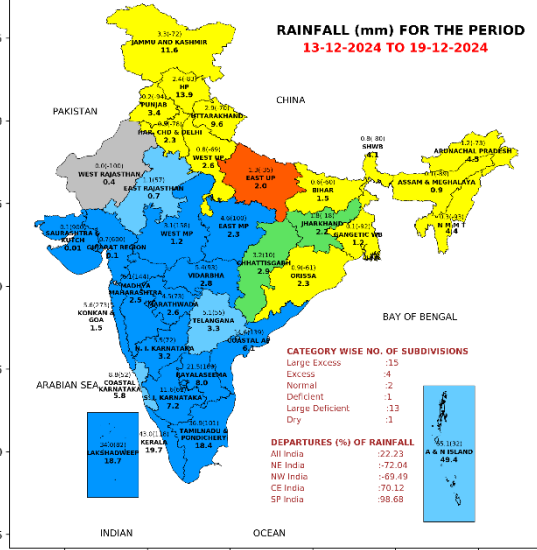


LEGEND: NO DATA, NO RAIN (<100%), LARGE DEFICIENT (-99% TO -60%), DEFICIENT (-55% TO -20%), NORMAL (19% TO -19%), EXCESS (20% TO 59%), LARGE EXCESS (60%)

NOTE: (a) Rainfall figures are based on MME forecast data. (b) Small figures indicates actual rainfall (mm), while bold figure indicates normal rainfall (mm). Percentage departures of rainfall are shown in brackets.

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Rainfall Forecast Map - Normal RF Based Categories



LEGEND: NO DATA, NO RAIN (<100%), LARGE DEFICIENT (-99% TO -60%), DEFICIENT (-55% TO -20%), NORMAL (19% TO -19%), EXCESS (20% TO 59%), LARGE EXCESS (60%)

NOTE: (a) Rainfall figures are based on MME forecast data. (b) Small figures indicates actual rainfall (mm), while bold figure indicates normal rainfall (mm). Percentage departures of rainfall are shown in brackets.

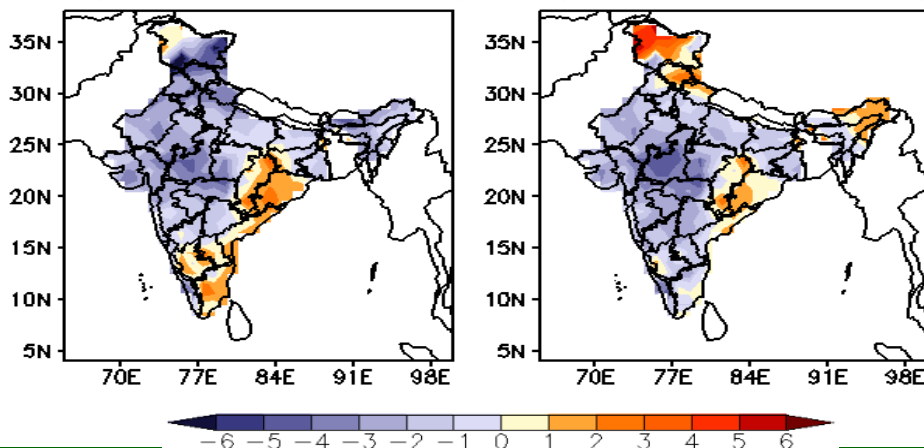
- **Week1(06.12.2024 to 12.12.2024):**Rainfall is likely to be above normal over Karnataka.
- **Week 2 (13.12.2024 to 19.12.2024):**Rainfall is likely to be above normal over Kerala and Tamil Nadu.

**Maximum and Minimum temperature anomaly (°C) forecast
for the next 2 weeks (IC- 4th December,2024)
(6thto 19th December, 2024)**

MME forecast Tmax anomaly (Deg C)

(Week1: 06Dec-12Dec)

(Week2: 13Dec-19Dec)



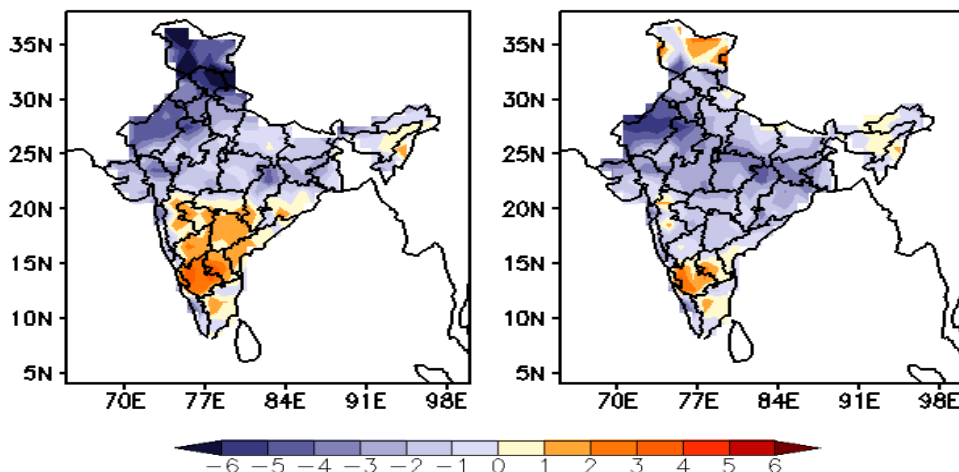
Maximum Temperature (Tmax)

- **Week 1 (06.12.2024 to 12.12.2024):**Maximum temperature is likely to be below normal over many parts of Northwest India, westcentral India, Northeast India and some parts of East India. It is likely to be above normal over Odisha and many parts of south India.
- **Week 2 (13.12.2024 to 19.12.2024):**Maximum temperature is likely to be above normal over most parts of the country except Jammu & Kashmir, Himachal Pradesh, Odisha and some parts in Northeast India.

MME forecast Tmin anomaly (Deg C)

(Week1: 06Dec-12Dec)

(Week2: 13Dec-19Dec)



Minimum Temperature (Tmin)

- **Week 1 (06.12.2024 to 12.12.2024):** Minimum temperature is likely to be below normal over Northwest India, Central India and parts of Northeast India. It is likely to be above normal over parts of peninsular India.
- **Week 2 (13.12.2024 to 19.12.2024):** Minimum temperature is likely to be below normal over most parts of the country. It is likely to be above normal over parts of Karnataka and Jammu & Kashmir.