

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



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



Date:31-01-2025

AGRO-ADVISORY BULLETIN FOR MYSURU DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	28.01.2025	29.01.2025	30.01.2025	31.01.2025
Rainfall (mm)	0	0	0	0
Max. Temp. (°C)	31	31	32.8	33
Min. Temp. (°C)	13.5	15.4	15.6	15
Sky condition (Octas)	2	1	0	0
Relative humidity (%) 0830 hours	60	60	55	62
Relative humidity (%) 1730 hours	43	29	29	-
Wind Speed (km/h)	2	4	2	2
Wind Direction	50	90	90	50

Weather forecast for the next five days (From 01-02-2025 to 05-02-2025)

Parameter	01.02.2025	02.02.2025	03.02.2025	04.02.2025	05.02.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	31.2	31.6	31.5	31.7	31.6
Min.Temp (°C)	18.7	18.8	17.5	17.1	16.6
Sky condition (Octas)	4	3	4	3	5
Relative humidity (%) 0830 hours	88	91	81	71	78
Relative humidity (%) 1730 hours	32	27	25	17	18
Wind Speed (kmph)	1.1	3.2	3	3	4
Wind Direction	0	0	104	76	63

Forecast Summary

As forecast received from IMD, partially cloudy sky with **no rainfall** may be expected from 01.02.2025 to 05.02.2025 in Mysuru district. The day temperature is expected to be 31.2-31.7°C & night temperature is expected 16.6-18.7°C. The relative humidity in the morning hours is expected to be 71% - 91% & afternoon relative humidity is expected to be in the range of 17 to 32% Wind speed expected to be 1.1-4 km/hr.

SMS Advisory

Protect crops from cold stress, ensure proper ventilation for livestock, and maintain moisture in soil for vegetables. Avoid excess irrigation.

Recommendations to the farmers:-

Crop	Pest/Disease	Damage symptoms	Control measures
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General Advisory:

- **Optimal Moisture Levels:** Ensure cereals are dried to **12%**, pulses to **9-10%**, and oilseeds to **7-8%** moisture content before storage.
- **Storage Practices:** Use moisture-proof containers or jute bags lined with polythene. Keep storage spaces clean, ventilated, and elevated to prevent pest infestation and mold growth.
- **Pest and Quality Management:** Regularly inspect stored produce for pests or mold. Use natural repellents like neem leaves or fumigants (with caution) for long-term protection.

Weather based advisory

Crop	Stage	Advisory
Paddy	Harvest stage	Complete harvesting in dry conditions to avoid light rain damage. Dry harvested grains immediately to prevent fungal infections.
Maize	Flowering/Harvest	Apply light irrigation if needed during flowering; for mature crops, complete harvest early to avoid quality loss due to rains.
Tomato	Vegetative stage	Ensure timely nutrient application to boost growth. Monitor for leaf curl virus and aphids; spray neem oil or recommended insecticides if needed.
Cabbage, Cauliflower	Head formation stage	Protect heads from pests like diamondback moth and aphids using safe insecticides or neem-based sprays. Ensure light irrigation to maintain soil moisture.
Bean, Field Bean	Pod formation stage	Stake plants to prevent lodging from moderate winds. Spray bio-pesticides to control pod borer infestation.
Chilli	Vegetative/Fruit development	Apply micronutrient sprays for fruit development. Monitor for thrips and fruit rot; apply organic treatments as needed.
Banana	Fruit development stage	Provide staking for plants to prevent lodging. Apply potassium-based fertilizers to enhance fruit quality.
Horticultural Crops	Various stages	Regularly monitor for pest infestations like aphids, thrips, and fungal infections; ensure adequate nutrient supply.

Sugarcane trash management

- **Composting:** Convert trash into organic manure.
- **Mulching:** Use as mulch to conserve moisture and suppress weeds.
- **Bio-decomposer:** Spray bio-decomposers (e.g., *Trichoderma*, *Pseudomonas*) on trash piles to accelerate decomposition.
- **Soil Incorporation:** Shred and plow trash into the soil.
- **Vermicomposting:** Use in vermiculture for nutrient-rich compost.
- **Animal Bedding:** Use for livestock, later as manure.
- **Avoid Burning:** Opt for sustainable disposal methods.

Livestock specific advisory	
Category	Advisory
Livestock	Provide dry bedding, avoid exposure to morning cold, and ensure good ventilation in sheds. Offer slightly warm drinking water during mornings and evenings. Maintain cleanliness, use fly traps or repellents. Monitor for respiratory issues; increase energy-rich feed.
Poultry	Cover sheds at night, provide warm drinking water, and use brooders for chicks. Ensure good air circulation but block cold drafts. Add energy supplements (e.g., maize) to feed. Remove litter regularly and use approved fly traps or sprays.

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	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 OR 2.0 g. Maneb OR 2.0 g. Metalaxyl- MZ 72WP. OR 2.0 g. Dimethomorph + polyram/lit. water. For control of late blight spray 2.0 g. Metalaxyl - MZ 72WP. OR 2.0 g. Fosetyl al 80 WP OR 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.
Red gram Sterility mosaic	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 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.
Field bean pod borer	Pod development	Dust 10 kg. Fenvalrate 0.4 D. OR Malathion 5 D. per acre during morning hours.

Block level weather forecast (From 01-02-2025 to 05-02-2025)

H.D. Kote					
Parameter	01.02.2025	02.02.2025	03.02.2025	04.02.2025	05.02.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	30.2	30.8	31.4	31.1	32.2
Min.Temp (°C)	15.2	16.5	17.9	18.6	19.2
Sky condition (Octas)	6	6	6	6	5
Relative humidity (%) 0830 hours	74.7	75.2	81.7	88.8	91.4
Relative humidity (%) 1730 hours	19.4	27.3	38.1	38.8	30.6
Wind Speed (kmph)	6.7	4.3	3.2	1.6	2.9
Wind Direction	36.2	41.6	63.4	116.6	82.9

Hunsuru					
Parameter	01.02.2025	02.02.2025	03.02.2025	04.02.2025	05.02.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	29.6	30.2	30.9	30.7	31.5
Min.Temp (°C)	15.2	16.6	17.7	18.7	19.1
Sky condition (Octas)	6	6	6	6	6
Relative humidity (%) 0830 hours	75.1	76.4	81.4	88.6	91.2
Relative humidity (%) 1730 hours	20.2	26.2	38.8	39	32
Wind Speed (kmph)	6.9	6.9	5.6	3.2	4.3
Wind Direction	51.3	62.1	63.4	116.6	85.2

K.R. Nagara

Parameter	01.02.2025	02.02.2025	03.02.2025	04.02.2025	05.02.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	29.7	30.2	30.6	30.4	31.2
Min.Temp (°C)	15.6	16.6	17.8	18.7	19.2
Sky condition (Octas)	6	6	6	6	5
Relative humidity (%) 0830 hours	74	77.4	81.2	87.7	90.2
Relative humidity (%) 1730 hours	19.9	25.6	38.6	40.1	32.2
Wind Speed (kmph)	6.4	7.6	5.4	5.2	5.2
Wind Direction	63.4	64.6	70.3	102.1	102.1

Mysuru

Parameter	01.02.2025	02.02.2025	03.02.2025	04.02.2025	05.02.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	30	30.1	31	30.6	31.6
Min.Temp (°C)	16.1	17.4	18.7	19.2	19.8
Sky condition (Octas)	6	6	7	5	5
Relative humidity (%) 0830 hours	74.9	75	80.4	86.6	88.9
Relative humidity (%) 1730 hours	20	26.8	38.6	40.2	33.2
Wind Speed (kmph)	8.4	8.1	6.9	6	6.3
Wind Direction	64.5	69.1	84	122.8	103.2

Nanjanagudu

Parameter	01.02.2025	02.02.2025	03.02.2025	04.02.2025	05.02.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	30.2	30.8	30.8	31.1	32.1
Min.Temp (°C)	16.2	17.2	18.5	19.6	19.9
Sky condition (Octas)	7	6	6	5	5
Relative humidity (%) 0830 hours	79.1	77.5	83.8	87.4	87.1
Relative humidity (%) 1730 hours	21.2	28.2	41	40	33.6
Wind Speed (kmph)	5.9	5.4	5.8	7.4	8.2
Wind Direction	79.4	86.2	119.8	137	127.9

Piriapatna

Parameter	01.02.2025	02.02.2025	03.02.2025	04.02.2025	05.02.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	29.2	29.7	30.5	29.4	31.1
Min.Temp (°C)	13.8	15.2	16.5	17.2	18.2
Sky condition (Octas)	6	5	5	6	6
Relative humidity (%) 0830 hours	76.7	79.9	87.2	92.2	94.8
Relative humidity (%) 1730 hours	19.8	25.9	38.6	40.9	31.8
Wind Speed (kmph)	6.4	5.4	4.1	2.1	2.9
Wind Direction	47.3	53.1	45	30.9	60.2

T. Narasipura

Parameter	01.02.2025	02.02.2025	03.02.2025	04.02.2025	05.02.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	30	30	31	30.7	31.8
Min.Temp (°C)	15.9	17.2	18.5	19.5	19.9
Sky condition (Octas)	7	6	6	5	5
Relative humidity (%) 0830 hours	77	76.2	85	88.6	87.2
Relative humidity (%) 1730 hours	20.5	27.9	39.3	41.1	33.4
Wind Speed (kmph)	6.8	5.8	5.1	5	5.6
Wind Direction	64.8	60.2	85.9	120.3	116.6

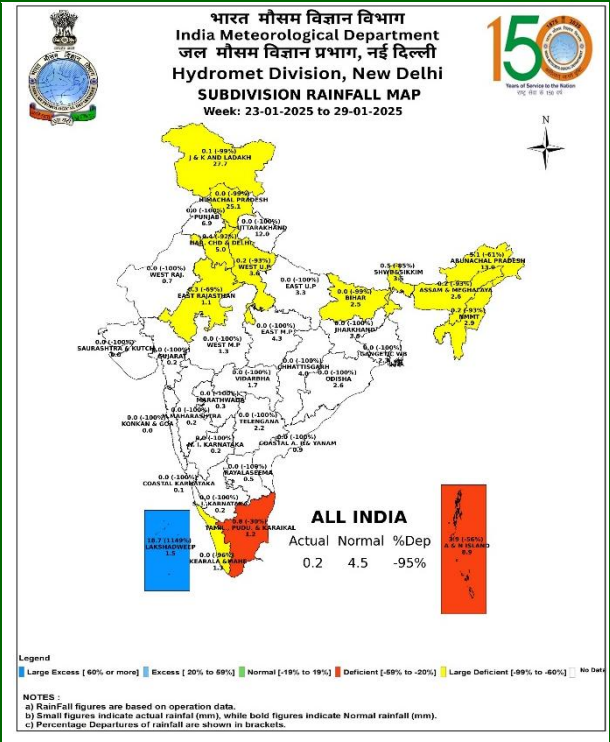
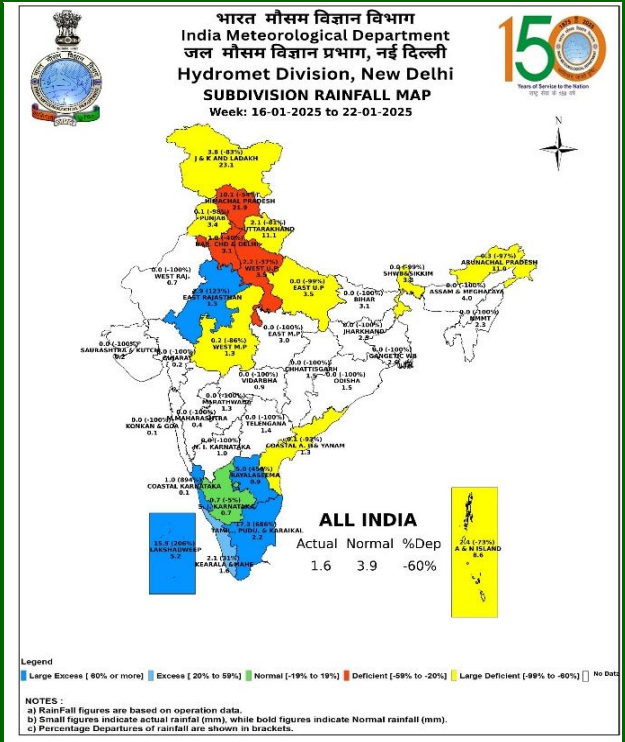
- Download “DAMINI” app to get early warning on lightening and take precautions based on the alert given by the application.
- Kindly download “MAUSAM” APP for location specific forecast & warning & “MEGHDOOT” APP for Agromet advisory
- This information is available in the website: mausam.imd.gov.in

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**

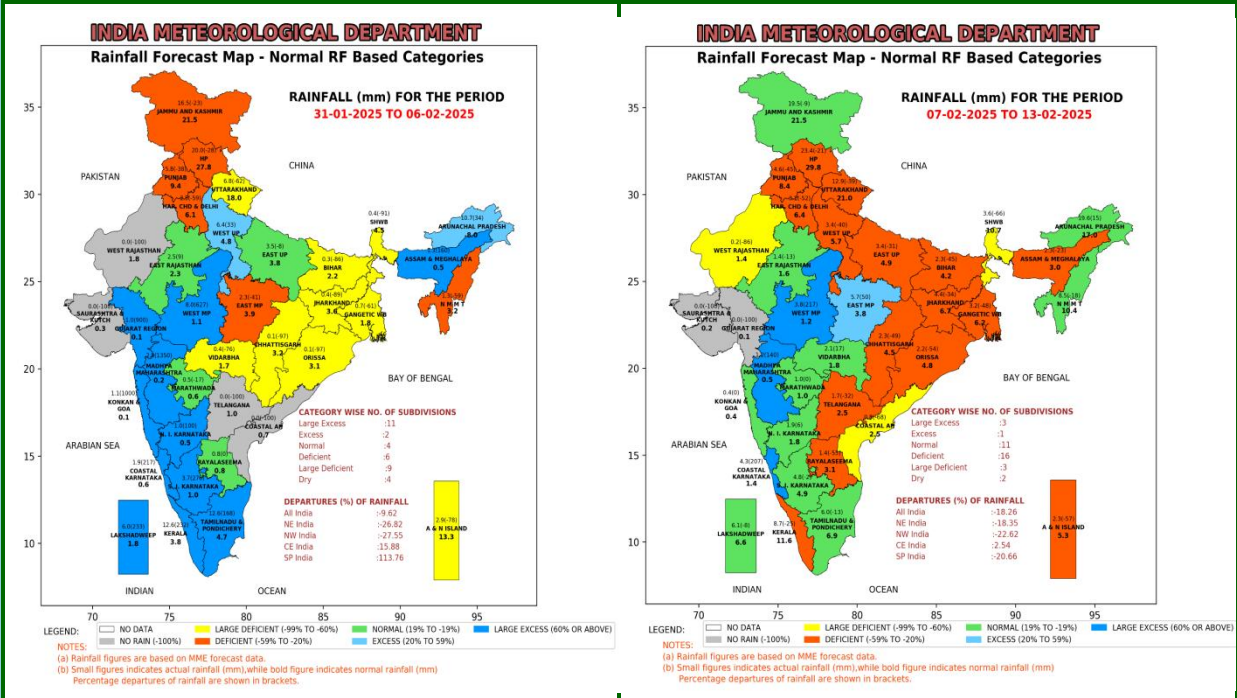
वास्तविक वर्षा तथा विस्तारित अवधि पूर्वानुमान
Realized Rainfall and Extended Range Forecast
 (वर्षा और तापमान)
 (Rainfall and Temperature)

Realized Rainfall
 (16th to 29th January, 2025)



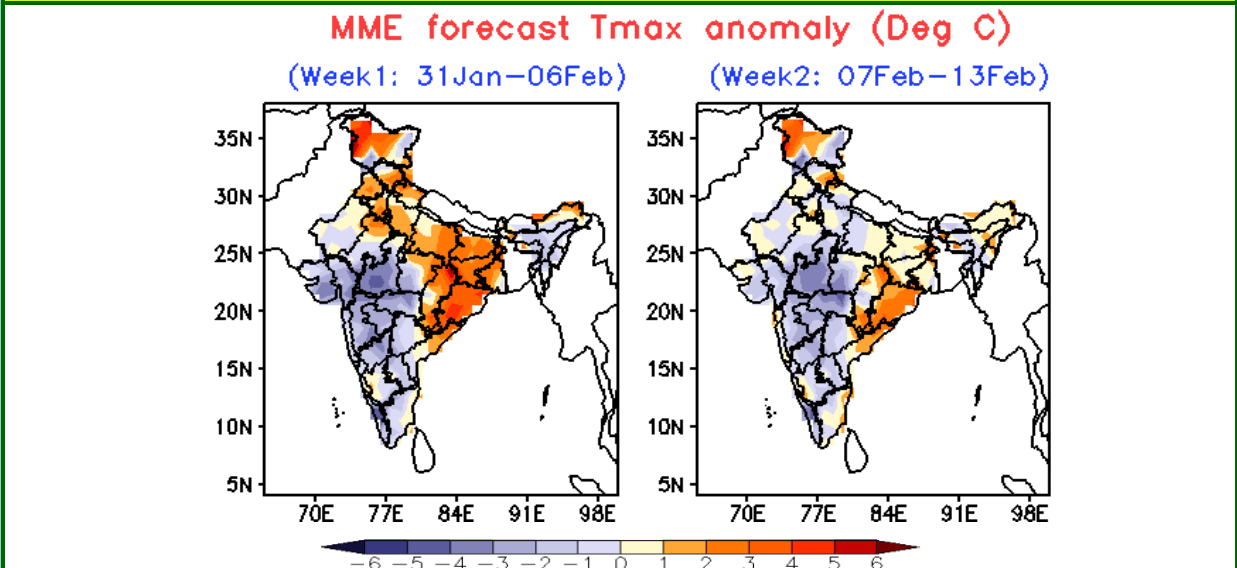
Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC- 29th January,2025) (31st January to 13th February, 2025)



- **Week1(31.01.2025 to 06.02.2025):**Rainfall is likely to be above normal over West Madhya Pradesh and South Kerala. Rainfall activity is also likely over Jammu & Kashmir, Himachal Pradesh, Arunachal Pradesh and Tamil Nadu.
- **Week 2 (07.02.2025 to 13.02.2025):**Rainfall is likely to be normal or close to normal over Arunachal Pradesh, Kerala and Tamil Nadu. However, it is likely to be below normal over Jammu & Kashmir, Himachal Pradesh and Uttarakhand.

Maximum and Minimum temperature anomaly (°C) forecast for the next 2 weeks (IC- 29th January,2025) (31st January to 13th February, 2025)



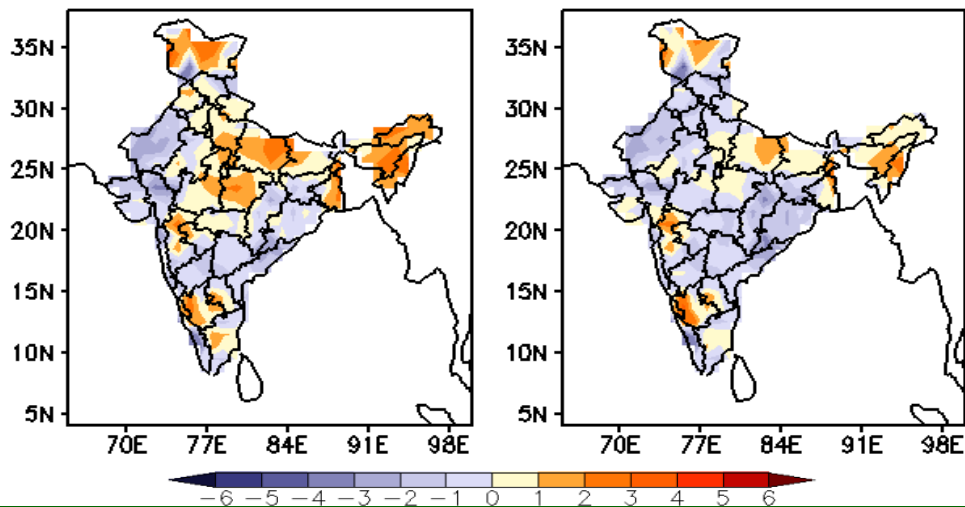
Maximum Temperature (Tmax)

- **Week 1 (31.01.2025 to 06.02.2025):**Maximum temperature is likely to be above normal over East India, North West India, Chhattisgarh, northern parts of Coastal Andhra Pradesh and Arunachal Pradesh. However, it is likely to be below normal over West India, most parts of Central India, South India and some parts of North East India.
- **Week 2 (07.02.2025 to 13.02.2025):**Maximum temperature is likely to be above normal over many parts of East India&Chhattisgarh, parts of North West India and northern parts of Coastal Andhra Pradesh. However, it is likely to be below normal over many parts of West India, Central India, south India and some parts of North East India.

MME forecast Tmin anomaly (Deg C)

(Week1: 31Jan-06Feb)

(Week2: 07Feb-13Feb)



Minimum Temperature (Tmin)

- **Week 1 (31.01.2025 to 06.02.2025):** Minimum temperature is likely to be below normal over Odisha, Chhattisgarh, Jharkhand, West Rajasthan, many parts of West India & South India. However, it is likely to be above normal over North East India, many parts of Central India, North West India, Gangetic West Bengal, parts of South India, Madhya Maharashtra and Bihar.
- **Week 2 (07.02.2025 to 13.02.2025):** Minimum temperature is likely to be below normal over most parts of the country. It is likely to be above normal over parts of North East India, Gangetic West Bengal, Bihar, Uttar Pradesh, Jammu & Kashmir, Karnataka, Rayalaseema and Madhya Maharashtra.