

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



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



Date: 01-07-2025

AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	28.06.2025	29.06.2025	30.06.2025	01.07.2025
Rainfall (mm)	0.5	0.5	0	0
Max. Temp. (°C)	28.1	29.9	30.1	28.7
Min. Temp. (°C)	21.7	20.1	19.4	20.6
Sky condition (Octas)	-	-	-	-
Relative humidity (%) 0830 hours	73	79	78	75
Relative humidity (%) 1730 hours	64	72	64	68
Wind Speed (km/h)	-	-	-	-
Wind Direction	-	-	-	-

Weather forecast for the next five days (From 02-06-2025 to 06-07-2025)

Parameter	02.07.2025	03.07.2025	04.07.2025	05.07.2025	06.07.2025
Rainfall (mm)	2	2	3	5	7
Max. Temp. (°C)	29	29	29	29	29
Min.Temp. (°C)	21	21	21	21	21
Sky condition (Octas)	4	4	5	5	6
Relative humidity (%) 0830 hours	84	84	76	75	74
Relative humidity (%) 1730 hours	46	45	45	42	37
Wind Speed (kmph)	12	14	12	12	12
Wind Direction	266	262	263	264	261
Weather Warning	Light to moderate rain with sustained wind (40-50 kmph) likely to occur at many places	Light to moderate rain with sustained wind (40-50 kmph) likely to occur at most places	Light to moderate rain with sustained wind (40-50 kmph) likely to occur at many places	Light to moderate rain with sustained wind (40-50 kmph) likely to occur at many places	Light to moderate rain with sustained wind (40-50 kmph) likely to occur at a few places

*GW - Gusty wind, TSH – Thunderstorm

Forecast Summary

As forecast received from IMD, partially cloudy sky with **light rainfall** may be expected from **02.07.2025 to 06.07.2025** in Chamarajanagara district. The day temperature is expected to be 28-30°C & night temperature is expected 21-22°C. The relative humidity in the morning hours is expected to be 77-79% & afternoon relative humidity is expected to be in the range of 64-66 %. Wind speed expected to be 10-14 km/ hr.

General Advisory:

- **Partly cloudy sky and light rainfall** expected – suitable for field operations such as sowing, transplanting, and fertilizer application.
- **Gusty winds**– support banana, pepper, and other tall crops to prevent lodging.
- **Maintain proper drainage** in low-lying fields to prevent excess moisture and root diseases, especially in vegetables, ginger, and spices.
- **Humidity levels are high** – favorable for fungal and bacterial diseases. Apply **preventive fungicides** (like Copper oxychloride or Mancozeb) during dry spells.
- **Fertilizer application** is favorable during this period – split doses are recommended for better efficiency.
- **Livestock care:** Provide shelter, dry bedding, and clean drinking water. Avoid grazing during gusty conditions.
 - Protect livestock from rain and provide clean drinking water

SMS Advisory:

Light rain expected next 5 days. Ensure field drainage, delay fertilizer use, stake banana, monitor pests. Keep livestock shelters dry.

Crops and Suitable Varieties for Sowing in July

Paddy (Rice)

- **General Sowing:** MSN-99
- **Late June (3rd-4th week):** BR-2655, Jaya
- **Aerobic Paddy:** Daksha (KMP-175), Onnasiri (MAS-26), Sharada (MAS-946), Anagha (ARB-6), Rashi

Ragi (Finger Millet): Indaf-8, MR-1, MR-6, L-5, KMR-301, GPU-45, KMR-316

Maize (Shaktiman Maize): CSH-5, CSH-9

Pearl Millet (Musuku Jola): Hema, Nithyashree, MAH-14-5, MAH-14-138, MAH-15-84

Popcorn: Amber

Bajra (Pearl Millet): WCC-75, PHVB-910

- **Late June (3rd-4th week):** ICTP-8203, SMV-221, MH-946 (GHB-558)

Foxtail Millet (Navane): PS-4, SIA-326, GPUF-3

Horsegram (Haraka): RBK-155, GPUK-3

Little Millet (Same): CO-2, OLM-203, GPUL-6, GPUL-11

Proso Millet (Oodalu): DHBM-93-3

Kodo Millet (Korale): GPUBT-2

Red Gram (Pigeon Pea / Togari): BRG-1, BRG-2, BRG-3, BRG-4, BRG-5, ICP-7035, TTB-7, Hyderabad-3C

Groundnut (Nelekadale): GKVK-5, KCG-6 (Chintamani-6), GPBD-4, ICGV-91114, JL-24, TMV-2, GKVK-27

Sunflower: KBSH-41, 90, 44, 53, 78, 85

Soybean (Soya Avare): MAUS-2 (Pooja), Karune (vegetable soybean), KBS-23

Cotton: DCS-9 (Jyoti), 48-1 (Jwala)

- **Hybrid Varieties:** DCH-177, GCH-4, 30.N.23-66

Sesame (Hucchellu) - 4th week of June: KBN-1, No.71, KBN-2, 52: 2.2-62175, 2.2-86032, 2.2.A.2-18061

Horticultural Crops

- **Vegetables:** Tomato, Potato, Brinjal, Chilli, Cabbage, Radish, Knol-khol, Carrot, Onion
- **Fruits:** Mango, Banana, Lime, Guava, Sweet lime, Sapota, Papaya, Pomegranate, Pineapple, Cashew
- **Spices:** Garlic, Ginger, Turmeric, Cardamom

Fodder Crops

- **Sorghum (Fodder Maize):** JS-SF-3
- **Cowpea (Fodder):** MF-09-01, MF-08-14, 2-09-03

- **Napier-Bajra Hybrid Grass: PBN-342**

Category	Advisory
Livestock	Provide clean and fresh drinking water regularly due to moderate temperatures. Ensure well-ventilated, dry, and shaded shelters to protect animals from humidity and mild rainfall. Monitor animals for signs of respiratory issues due to humid conditions.
Poultry	Keep poultry sheds dry and well-ventilated. Avoid overcrowding to reduce stress and disease risk during humid and rainy days. Provide clean water and balanced feed during cooler morning and evening hours. Maintain hygiene to prevent fungal and bacterial infections.

Recommendations to the farmers:-

Weather based advisory

Crop	Stage	Advisory Based on Forecast
Paddy	Summer-Harvesting Kharif- Nursery preparation	Harvest matured crop during dry days; postpone if rainfall is forecasted. Ensure harvested produce is dried and stored properly to avoid spoilage due to humidity. Select raised nursery beds to prevent water stagnation. Utilize clear sky periods for seedbed preparation and sowing. Arrange for drainage in case of heavy rainfall.
Maize	Vegetative	Apply fertilizers and weeding operations during dry, less windy days. Ensure sufficient soil moisture; avoid irrigation when rainfall is forecasted. Monitor for leaf spot due to humidity.
Tomato	Fruit formation	Protect fruits from cracking during sudden rain spells. Avoid spraying during windy or rainy conditions. Support plants to prevent lodging due to gusty winds.
Chilli	Fruit formation	Maintain proper drainage to avoid waterlogging. High humidity may encourage fungal infections—use preventive plant protection measures on dry days.
Banana	Fruit development	Provide support to prevent lodging from gusty winds. Maintain mulch for moisture retention. Avoid irrigation on rainy days. Watch for sigatoka and pseudostem weevil.
Black gram, Green gram, Red gram, Field bean, Cowpea	Sowing / Harvesting	For sowing, ensure good soil moisture; sow during dry spells. For harvesting, dry produce immediately after harvest to prevent post-harvest losses due to humidity.
Sugarcane	Vegetative	Carry out earthing up and fertilizer application during clear days. Ensure proper drainage in case of rain. Monitor for top shoot borer and mealy bugs.
Mango	Fruit development	Harvest mature fruits early in the day and avoid harvesting during wet periods. Protect harvested fruits from high humidity to prevent fungal rots.
Vegetable crops (general)	Various stages	Conduct pest and disease monitoring regularly, especially during humid conditions. Avoid foliar sprays during rainfall and windy days. Use rain-free days for intercultural operations.

Livestock, Poultry, and Sericulture Advisory	
Sector	Weather-Based Advisory
Livestock	Ensure clean, shaded, and well-ventilated shelters to prevent heat and humidity stress. Provide plenty of clean drinking water . Use fans if possible. Avoid grazing during midday heat . Supplement with mineral mixture and salt licks to maintain animal health. Regularly check hooves and shelter hygiene due to increased moisture.
Poultry	Maintain proper cross-ventilation and ensure adequate space in sheds to avoid crowding. Sprinkle water around sheds to reduce temperature. Provide cool, clean water with electrolytes . Feed birds during early morning and evening . Ensure dry bedding to prevent fungal issues due to humidity.
Sericulture	Maintain optimal rearing room temperature (26–28°C) and humidity (75–80%) through humidifiers or water sprinkling . Avoid overcrowding of worms. Provide well-moistened mulberry leaves , and protect mulberry gardens from rain damage using proper drainage and partial shade. Monitor for fungal diseases due to changing humidity.

Recommendation to farmers		
Crop specific advisory:		
Crop	Stage	Advisory
Maize fall army worm	Tasseling stage	<ul style="list-style-type: none"> ✓ Handpick and destroy egg masses and larvae. ✓ Use predators like <i>Trichogramma pretiosum</i> or parasitoids like <i>Telenomus remus</i>. ✓ Apply <i>Metarhizium anisopliae</i> or <i>Beauveria bassiana</i>. ✓ Spray Chlorantraniliprole 18.5% SC @ 0.4 ml/l or Emamectin benzoate 5% SG @ 0.4 g/l. Avoid excessive nitrogen application.
Coconut rugose whitefly	Vegetative stage	<ul style="list-style-type: none"> ✓ Prune and burn infested leaves. ✓ Release <i>Encarsia guadeloupae</i> parasitoids. Conserve natural predators like ladybird beetles (<i>Cryptolaemus montrouzieri</i>). ✓ Spray Neem oil 1% or use Acephate 75 SP @ 1 g/l as a spot application if infestation is severe.
Chilli leaf curl virus	Fruit formation stage	<ul style="list-style-type: none"> ✓ Use virus-free seeds and resistant varieties. Maintain proper spacing and avoid overlapping. ✓ Remove and destroy infected plants. Use yellow sticky traps to monitor whitefly populations. ✓ Spray Imidacloprid 17.8% SL @ 0.5 ml/l or Thiamethoxam 25 WG @ 0.3 g/l.
Tomato Early and late blight of tomato	Flowering	<p>For late blight of tomato 15 days prior to transplanting Trichoderma and Pseudomonas enriched compost may be incorporated to the soil.</p> <p>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</p>

		transplanting. Repeat the spray 7th, 9th and 11th weeks after transplanting. 200- 250 lit. spray solution required/acre/spray.
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Block level weather forecast (From 02-07-2025 to 06-07-2025)

Chamarajanagara

Parameter	02.07.2025	03.07.2025	04.07.2025	05.07.2025	06.07.2025
Rainfall (mm)	0.1	1.3	0.8	0.5	0.5
Max. temp (°C)	28.6	28.8	28.9	28.9	29.2
Min.Temp (°C)	21	21.2	21.2	21.4	21.2
Sky condition (Octas)	8	7	7	8	7
Relative humidity (%) 0830 hours	83.2	81.2	81.1	75.3	80.8
Relative humidity (%) 1730 hours	47	48.6	45.4	42.6	39.6
Wind Speed (kmph)	12.7	11.3	13.7	15.9	15.1
Wind Direction	276.5	277.4	274.5	275.2	272.7

Gundlupete

Parameter	02.07.2025	03.07.2025	04.07.2025	05.07.2025	06.07.2025
Rainfall (mm)	0.3	0.8	0.8	0.2	0.5
Max. temp (°C)	27.4	27.4	27.7	27.8	28
Min.Temp (°C)	20.8	21	20.9	21	20.9
Sky condition (Octas)	8	7	7	8	7
Relative humidity (%) 0830 hours	83.6	82.1	82.2	80.9	81.3
Relative humidity (%) 1730 hours	51.7	53.2	50.7	47.9	44.3
Wind Speed (kmph)	15	14.3	15.4	17.6	16.5
Wind Direction	260.3	258.4	259.2	259.4	258.7

Kollegala

Parameter	02.07.2025	03.07.2025	04.07.2025	05.07.2025	06.07.2025
Rainfall (mm)	0.4	1.2	1.8	0.6	1.1
Max. temp (°C)	28.8	28.9	29.5	29.6	29.9
Min.Temp (°C)	21.6	21.4	21.5	21.4	21.6
Sky condition (Octas)	8	8	7	8	7
Relative humidity (%) 0830 hours	84.4	83.8	83.2	78.2	81.5
Relative humidity (%) 1730 hours	46.9	49.3	44.7	41.8	39.7
Wind Speed (kmph)	12.8	13.2	13.6	15.9	16.5
Wind Direction	253.6	252.5	253	256.9	253.5

Yelandur					
Parameter	02.07.2025	03.07.2025	04.07.2025	05.07.2025	06.07.2025
Rainfall (mm)	0.2	1	1.3	0.6	0.8
Max. temp (°C)	28.6	28.6	29.2	29.2	29.6
Min.Temp (°C)	21.5	21.2	21.2	21.2	21.5
Sky condition (Octas)	8	8	7	8	7
Relative humidity (%) 0830 hours	84	83.1	82.7	75.7	80.8
Relative humidity (%) 1730 hours	47.2	49	44.8	42.2	39.8
Wind Speed (kmph)	12.2	12.3	13	15.5	16.1
Wind Direction	256.4	254.7	255.6	257.9	254.4

Hanur					
Parameter	02.07.2025	03.07.2025	04.07.2025	05.07.2025	06.07.2025
Rainfall (mm)	0.5	1.4	1.8	1	1.2
Max. temp (°C)	28.1	28	28.2	28.7	28.7
Min.Temp (°C)	20.8	20.7	20.9	20.9	21
Sky condition (Octas)	8	7	7	8	7
Relative humidity (%) 0830 hours	84	84	83.7	74.4	80.4
Relative humidity (%) 1730 hours	46.3	48.3	44.2	42.1	40.3
Wind Speed (kmph)	12.3	12.3	13.4	16.2	15.6
Wind Direction	265	263.3	262.3	266.2	262.1

- 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

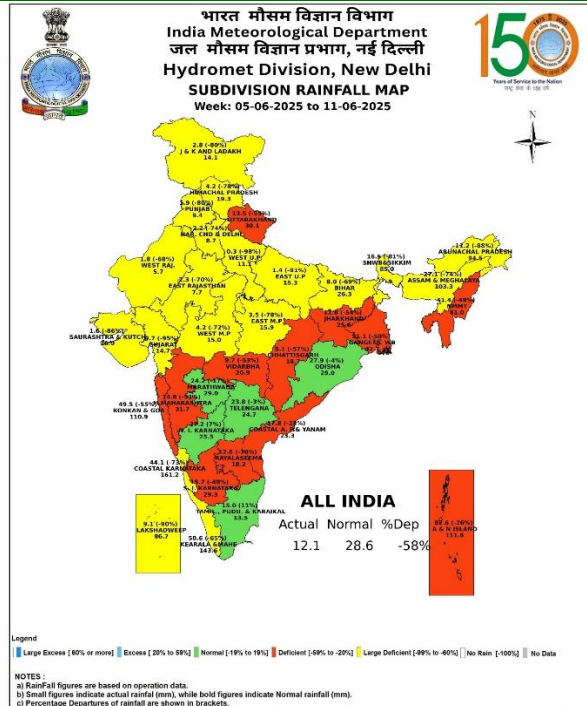
For any information farmers can contact **Dr. C. Ramachandra**, Senior Farm Superintendent/
Dr. Sumanth Kumar.G.V, Technical officer over phone No. 0821-259126/ 9535345814.

**AMFU of IMD,
Naganahalli, Mysuru**

वास्तविकवर्षातथाविस्तारितअवधिपूर्वानुमान
Realized Rainfall and Extended Range Forecast
(वर्षाऔरतापमान)
(Rainfall and Temperature)

Realized Rainfall

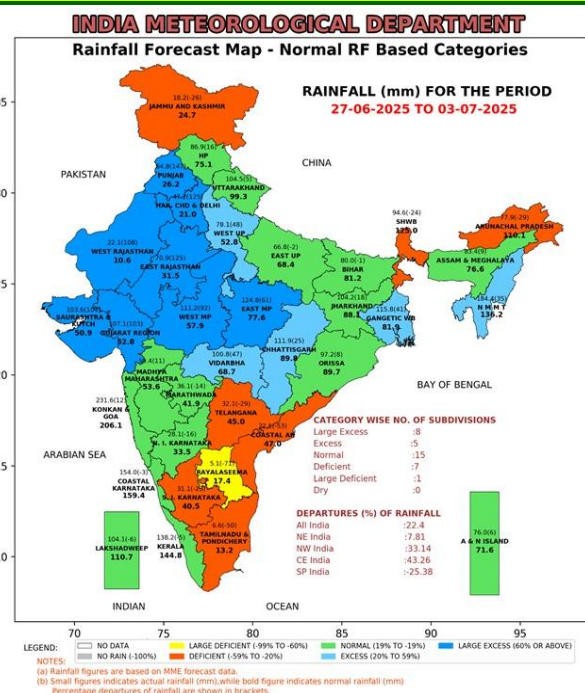
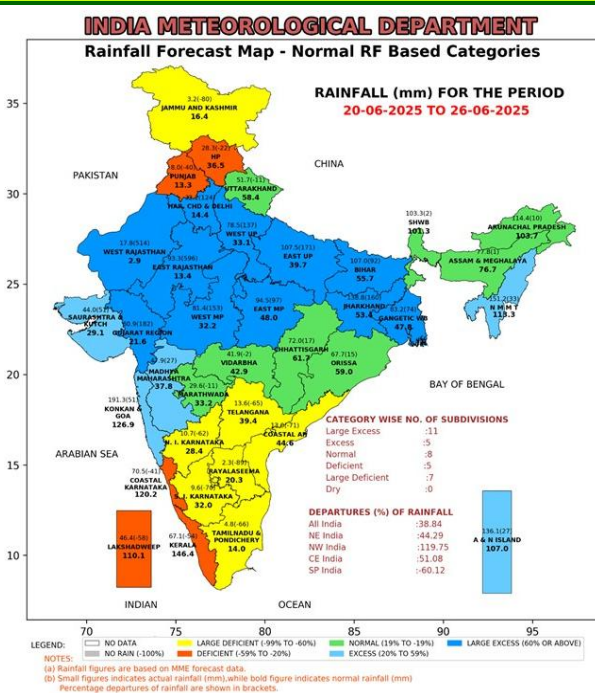
(05th June to 18th June, 2025)



Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC- 18th June, 2025)

(20th June to 03rd July, 2025)

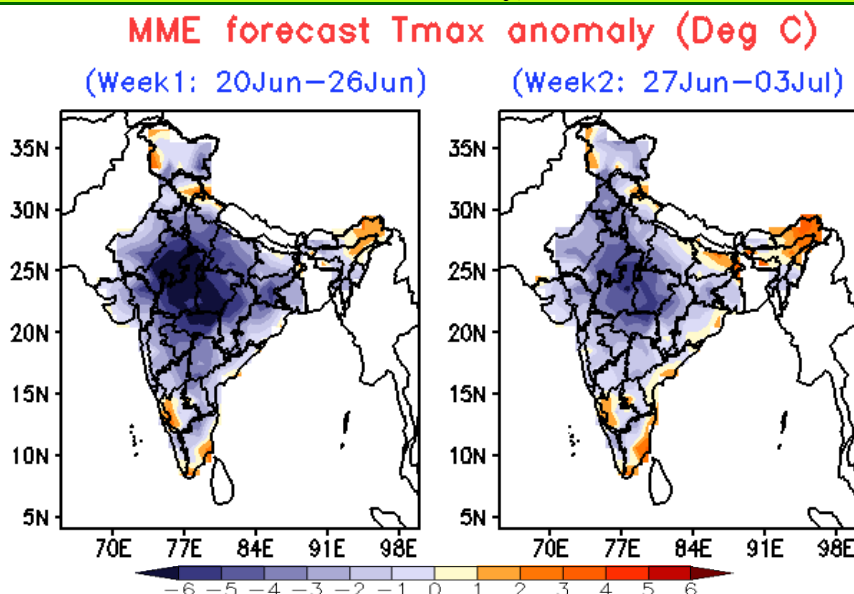


- **Week1(20.06.2025 to 26.06.2025):** Rainfall is likely to be above normal over many parts of Northwest India, East India, Central India and West India. However, it is likely to be

below normal over South India.

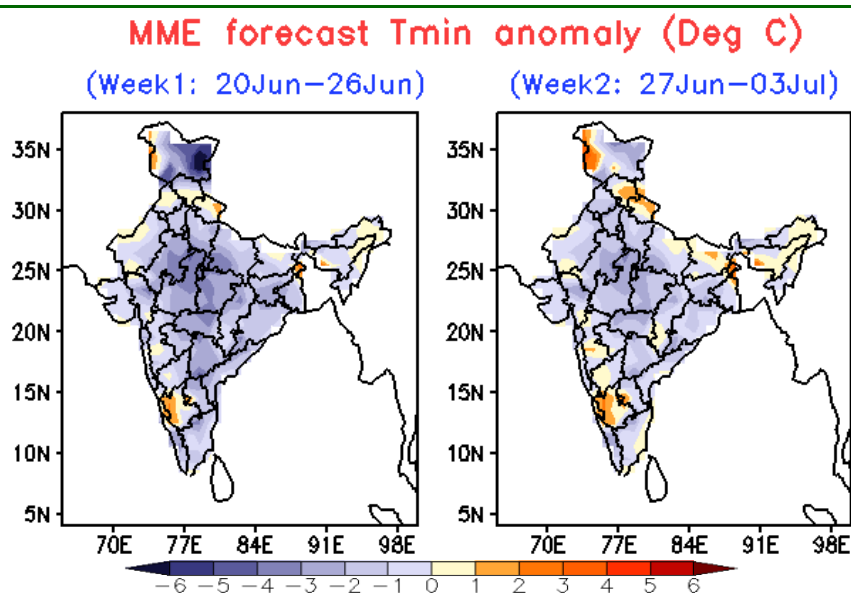
- **Week 2 (27.06.2025 to 03.07.2025):** Rainfall is likely to be above normal over Northwest India, Central India, East India, Nagaland Manipur Mizoram & Tripura region, Gujarat state and Konkan-Goa. However, it is likely to be below normal over many parts of South India.

**Maximum and Minimum temperature anomaly (°C) forecast
for the next 2 weeks (IC- 18th June, 2025)
(20th June to 03rd July, 2025)**



Maximum Temperature (Tmax)

- **Week 1 (20.06.2025 to 26.06.2025):** Maximum temperature is likely to be below normal over most parts of the country except some parts of North East India, Himachal Pradesh, Karnataka and Coastal regions of Tamil Nadu.
- **Week 2 (27.06.2025 to 03.07.2025):** Maximum temperature is likely to be below normal over most parts of the country. However, it is likely to be above normal over Bihar, many parts of North East India & regions along East coast and some parts of Karnataka.



Minimum Temperature (Tmin)

- **Week 1 (20.06.2025 to 26.06.2025):** Minimum temperature is likely to be below normal over most parts of the country except over some parts of Karnataka.
- **Week 2 (27.06.2025 to 03.07.2025):** Minimum temperature is likely to be below normal over most parts of the country except over some parts of Himachal Pradesh, Uttarakhand and Karnataka.

