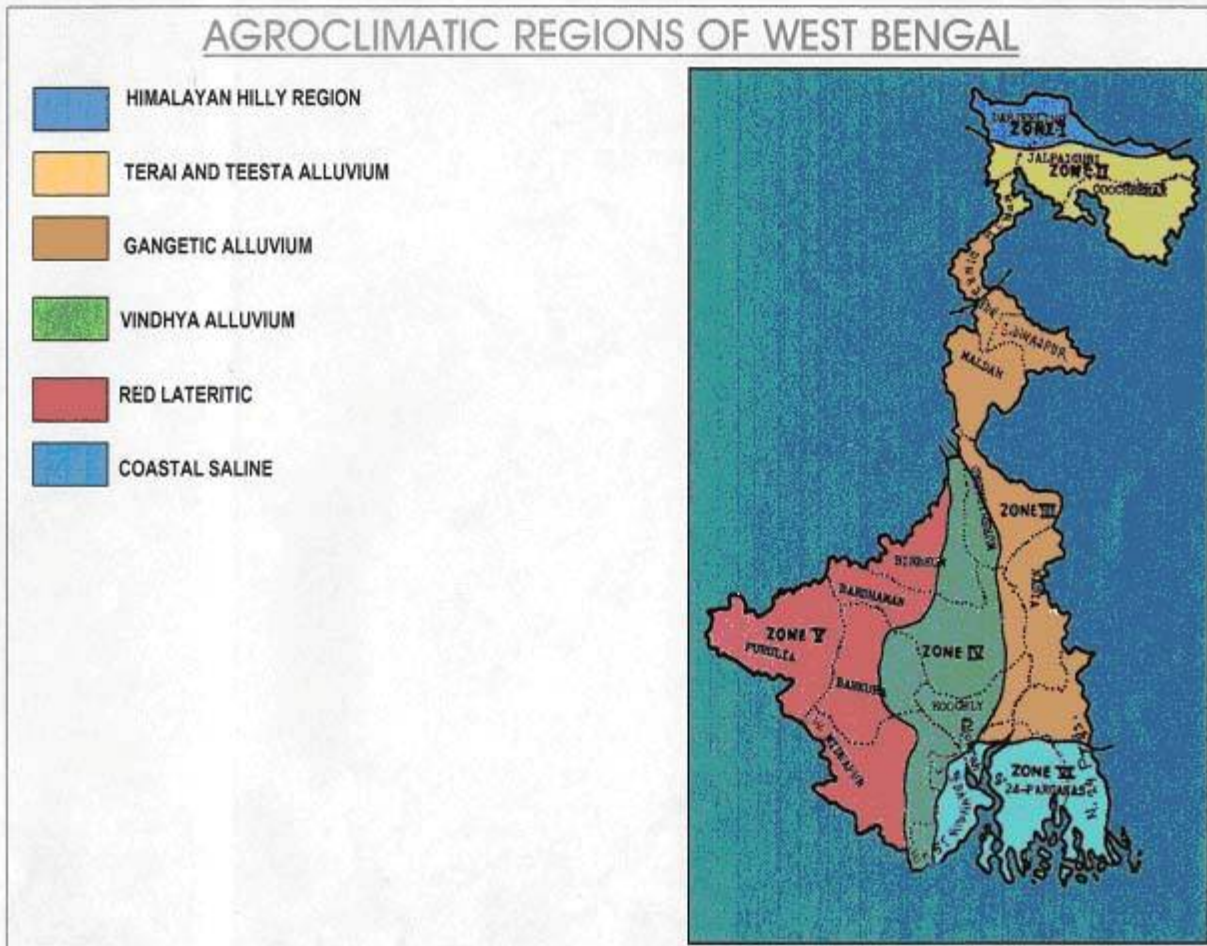


AGROMETEOROLOGICAL ADVISORY BULLETIN FOR THE STATE OF WEST BENGAL AND A&N ISLANDS

For the period from 02nd January '2019 to 06th January '2019



Issued on
Tuesday, 01st January '2019

ISSUED BY

Regional Meteorological Centre, Alipore, Kolkata-27 in collaboration with State Agricultural Universities and state Agricultural Department.

Agroclimatic zones of the state

Sl. No.	Agroclimatic Zone	Districts	Agromet Field Unit (AMFU) Location
1	Northern Hill Zone	Darjeeling	Kalimpong
2	Terai-Teesta Alluvial Zone	Jalpaiguri, Alipurduar, Coochbehar and Uttar Dinajpur.	Pundibari
3	Gangetic Alluvial Zone	Murshidabad, Nadia, North 24 Parganas, Howrah, Hooghly and Burdwan	Kalyani
4	Vindhyan Alluvial Zone	Dakhin Dinajpur, Malda	Majhian
5	Costal Saline Zone	South 24 Parganas and Purba Midnapore	Kakdeep
6	Undulating Red and Laterite Zone	Purulia, Bankura, Paschim Midnapore, Jhargram and Birbhum	Kharagpur

Met sub-divisions of the state

For Meteorological purposes, the state has been divided into two sub-divisions (IMD Classification):

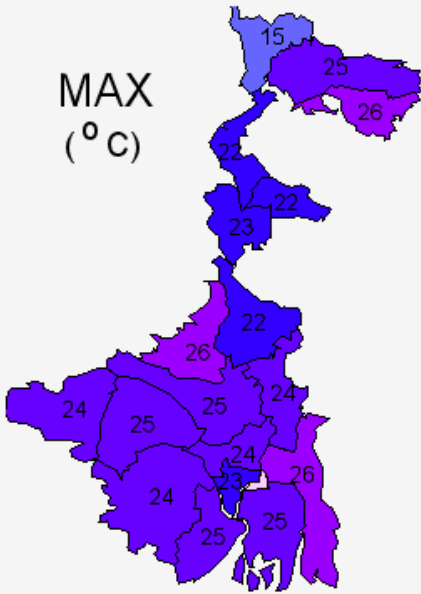
Gangetic West Bengal consists of Dakhin Dinajpur, Malda, Murshidabad, Nadia, South 24 Parganas, North 24 Parganas, Bankura, Purulia, Birbhum, Paschim Midnapore, Jhargram, Purba Midnapore, Kolkata, Burdwan.

Sub-Himalayan West Bengal consists of Darjeeling, Coochbehar, Alipurduar, Jalpaiguri, Dakhin Dinajpur, Uttar Dinajpur.

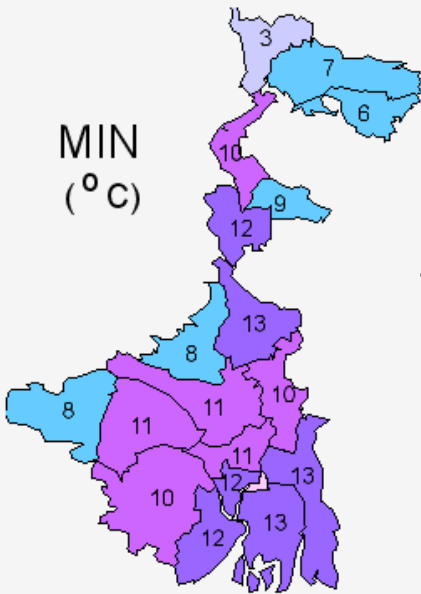
DAY 2 FORECAST

Valid up to :Thursday 03rd January 2019,0830 hrs IST

MAX
(°C)

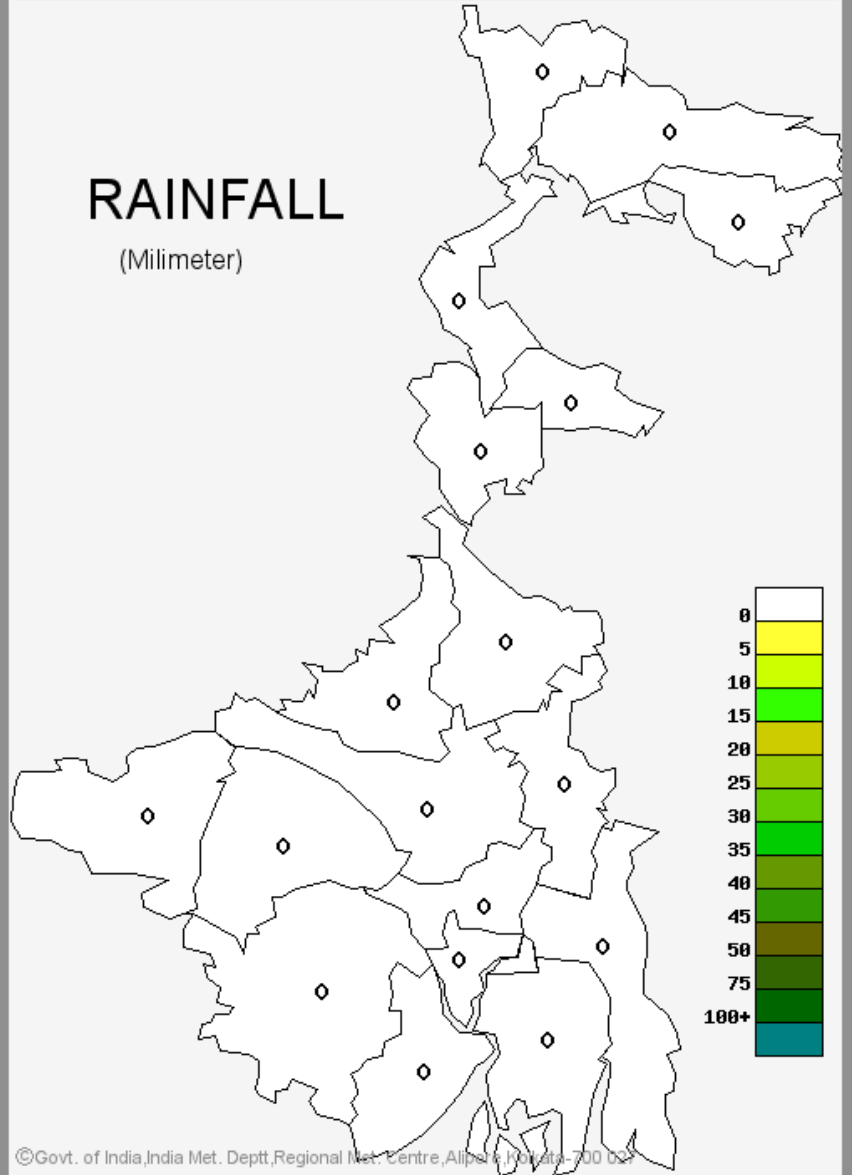


MIN
(°C)



RAINFALL

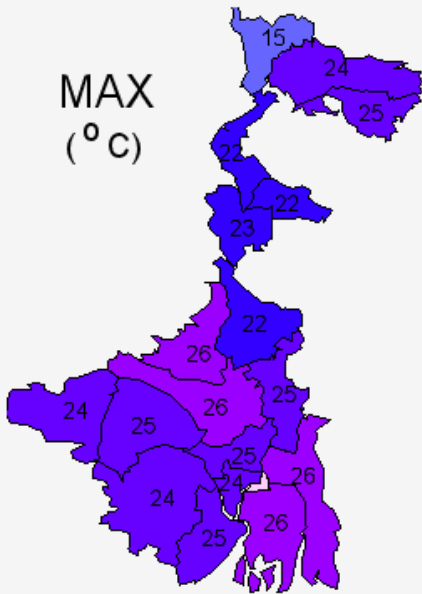
(Milimeter)



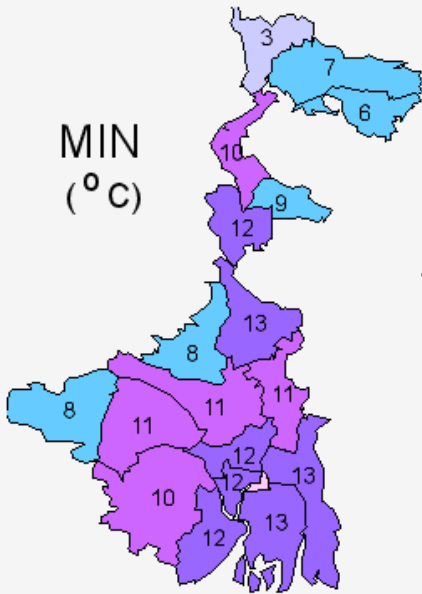
DAY 3 FORECAST

Valid up to :Friday 04th January 2019,0830 hrs IST

MAX
(°C)

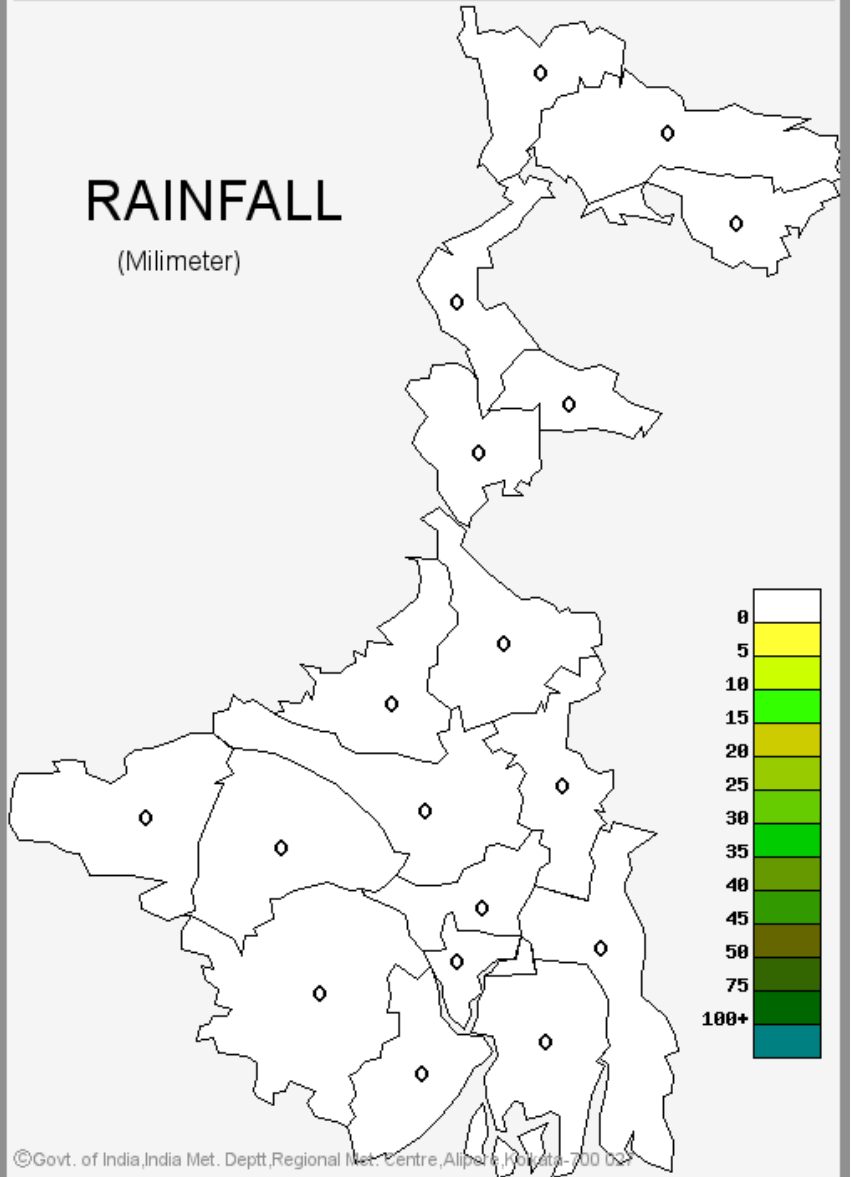


MIN
(°C)



RAINFALL

(Milimeter)

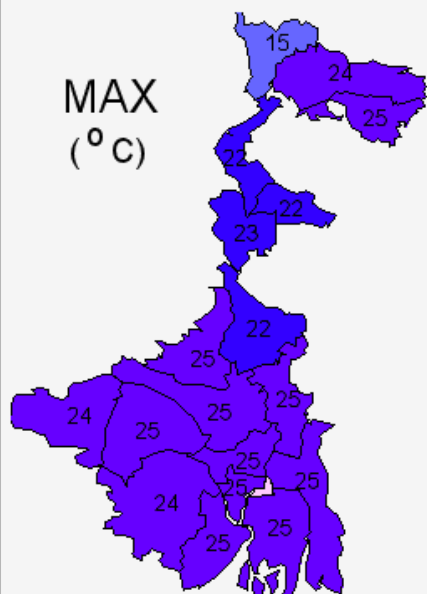


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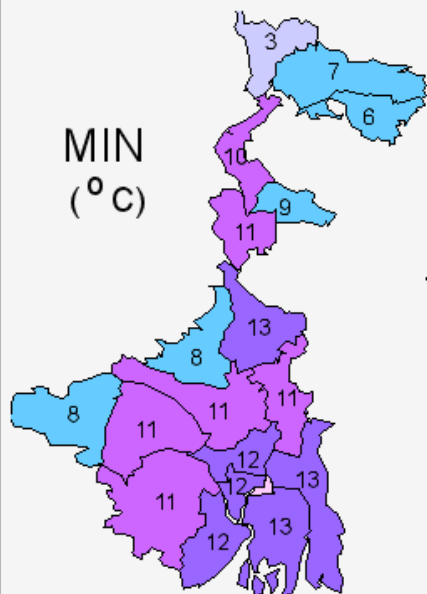
DAY 4 FORECAST

Valid up to :Saturday 05th January 2019,0830 hrs IST

MAX
(°C)

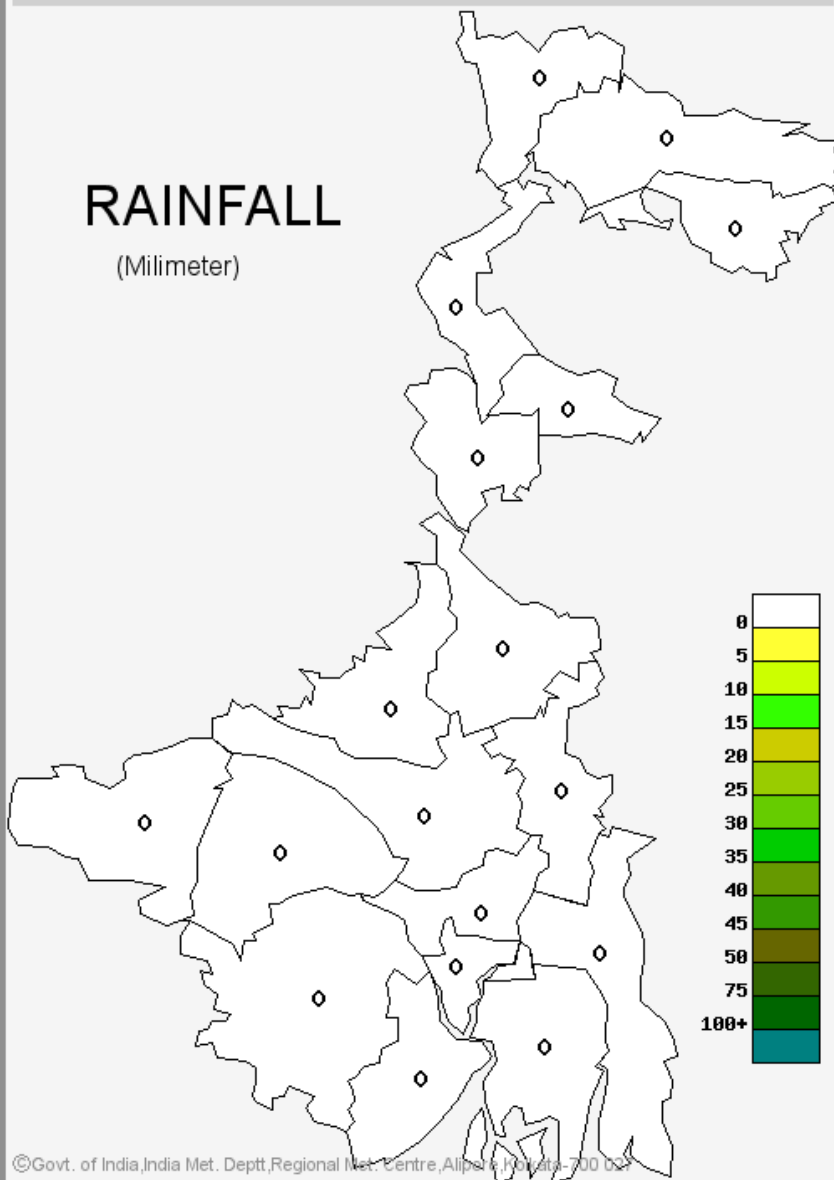


MIN
(°C)



RAINFALL

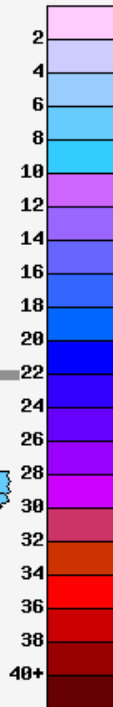
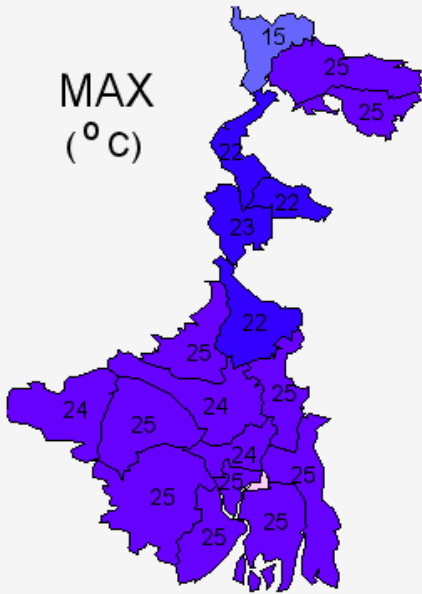
(Milimeter)



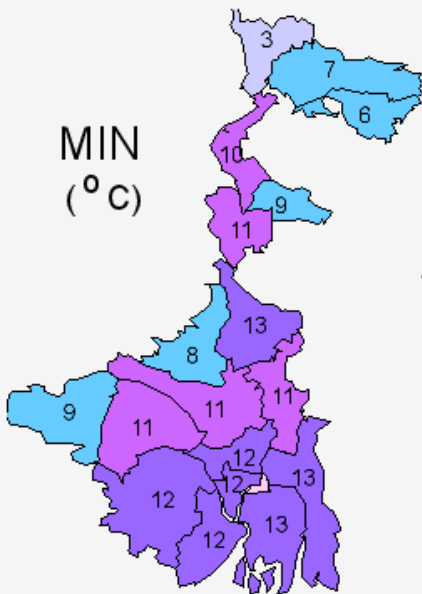
DAY 5 FORECAST

Valid up to :Sunday 06th January 2019,0830 hrs IST

MAX
(°C)

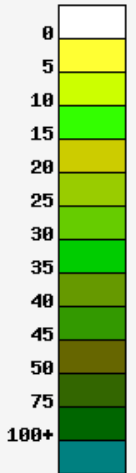
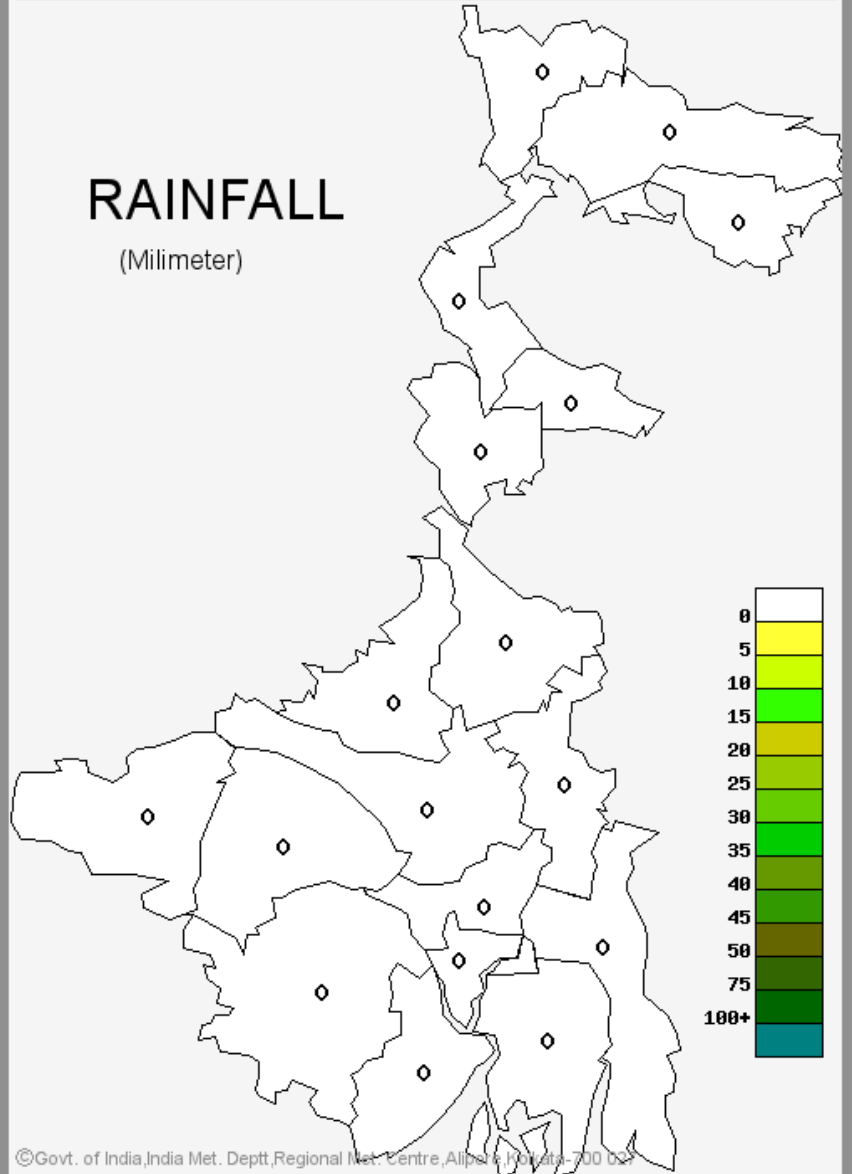


MIN
(°C)



RAINFALL

(Milimeter)



Part I: Weather

Districtwise significant Past Weather in different agroclimatic zones for the period 28/12/18 to 31/12/18

District level Weather Forecast for different agroclimatic zones for the period 02/01/19 to 06/01/19

West Bengal

Northern Hill Zone

DARJEELING

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	9-15	-1-7	50-95
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

DARJEELING

Rainfall	Possibilities of no rainfall are expected for coming five days. In next five days total rainfall of 0.0 mm is expected.
Cloud Cover	Possibilities of clear sky are expected for coming five days.
Max. Temp.	Maximum temperature is expected to be around 15.0 to 15.0 °C.
Min. Temp.	Minimum temperature is expected to be around 3.0 to 3.0 °C.
Max. RH	Maximum relative humidity is expected to be around 40-50 %.
Min. RH	Minimum relative humidity is expected to be around 22-26 %.
Wind	Wind mainly will blow from north-easterly direction. In coming five days wind mainly will blow with a speed of 7.5- 8.1 km/hr is expected.

Terai-Teesta Alluvial Zone

COOCH BEHAR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	22-26	5-8	70-90
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

COOCHBEHAR

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JALPAIGURI

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	22-26	7-9	65-96
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

JALPAIGURI

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NORTH DINAJPUR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	21-23	9-10	78-84
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

NORTH DINAJPUR

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Gangetic Alluvial Zone

BURDWAN

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	23-25	8-11	60-75
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

BURDWAN**MURSHIDABAD**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	21-23	7-12	70-90
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

MURSHIDABAD**NADIA**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	--	--	--
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

NADIA**HOOGLY**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	23-24	9-10	50-70
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

HOOGLY**HOWRAH**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	23-23	10-11	80-90
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

HOWRAH**NORTH 24 PGS**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	23-25	9-12	30-70
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

NORTH 24 PGS

Vindhyan Alluvial Zone

DAKSHIN DINAJPUR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	22-26	8-14	45-90
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

DAKSHIN DINAJPUR

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MALDA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	23-23	11-12	25-75
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

MALDA

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Coastal Saline Zone**PURBA MIDNAPUR**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	20-25	8-12	40-91
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

PURBA MIDNAPUR

- No rainfall is predicted in the next five days.
- Sky will be clear in the next five days.
- Wind speed will be 9.1-12.8 km/sec. and the predominant wind direction will be South-westerly to Northerly.
- Maximum temperature is expected to be around 25.0°C -26.0°C and minimum temperature is likely to be around 12.0°C-13.0°C.
- Maximum and minimum relative humidity will be in the range of 46% -50% and 24% -27%.

SOUTH 24-PGS

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	23-26	7-12	50-75
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

SOUTH 24-PGS

- No rainfall is predicted in the next five days.
- Sky will be clear in the next five days.
- Wind speed will be 13.4-16.1 km/sec. and the predominant wind direction will be South-westerly to Northerly.
- Maximum temperature is expected to be around 23.0°C -25.0°C and minimum temperature is likely to be around 12.0°C-13.0°C.
- Maximum and minimum relative humidity will be in the range of 46% -53% and 25% -33%.
-

Undulating Red and Laterite Zone**PASCHIM MIDNAPORE**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	23-24	9-12	25-85
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

PASCHIM MIDNAPORE

- No rainfall for the coming five days and clear sky will be present for the same.
- Predominant wind direction will be Northwesterly. Wind with a speed of 6.7-10.3 km per hour will blow for coming five days.
- Relative humidity maximum will be 48-52 % and minimum will be 26-27%
- Maximum temperature will be 24-25°C and minimum will be 10-12°C.
-

BANKURA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	24-25	8-10	45-75
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

BANKURA

- No rainfall for the coming five days and clear sky will be present for the same.
- Predominant wind direction will be Northwesterly. Wind with a speed of 6.2-10.4km per hour will blow for coming five days.
- Relative humidity maximum will be 49-54 % and minimum will be 25-26%
- Maximum temperature will be 24-25°C and minimum will be 10-11°C.
-

PURULIA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	22-23	7-8	25-80
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

PURULIA

- No rainfall for the coming five days and clear sky will be present for the same.
- Predominant wind direction will be Northwesterly. Wind with a speed of 5.3-8.4 km per hour will blow for coming five days.
- Relative humidity maximum will be 48-54% and minimum will be 22-23%
- Maximum temperature will be 23-24°C and minimum will be 7-9°C.
-

BIRBHUM

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	23-25	7-11	35-75
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

BIRBHUM

- No rainfall for the coming five days and clear sky will be present for the same.
- Predominant wind direction will be Northwesterly. Wind with a speed of 7.5-11.3 km per hour will blow for coming five days.
- Relative humidity maximum will be 48-55 % and minimum will be 26-29%
- Maximum temperature will be 25-26°C and minimum will be 8°C.
-

Andaman & Nicobar Islands**ANDAMAN**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	26-31	18-22	60-95
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

NORTH MIDDLE ANDAMAN

Partly cloudy weather with light rainfall is likely to occur during next five days. In North and Middle Andaman 15 mm of rainfall is expected during this period. The maximum temperature in North and Middle Andaman will be 30.0 °C with minimum temperature of 22 to 23.0 °C, whereas the maximum and minimum relative humidity is expected to be in the range of 78 to 81 % and 69 to 74 % respectively in North and Middle Andaman. Wind speed of 18.9 to 27.8 km/h is expected from North Easterly direction.

SOUTH ANDAMAN.

- Partly cloudy weather with light to moderate rainfall is likely to occur during next five days. In South Andaman 24.0 mm of rainfall is expected during this period. The maximum temperature in South Andaman will be 30.0 to 31.0 °C with minimum temperature of 23 °C, whereas the maximum and minimum relative humidity is expected to be in the range of 78 to 82 %, and 70 to 74 % respectively in South Andaman. Wind speed of 22.0 to 27.9 km/h is expected from North Easterly direction.

NICOBAR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	27-29	21-24	70-95
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

NICOBAR

- Partly cloudy weather with light rainfall is likely to occur during next five days. In Nicobar Islands 16.0 mm of rainfall is expected during this period. The maximum temperature will be 30.0 to 31.0 °C with minimum temperature of 27 to 28 °C, whereas the maximum and minimum relative humidity is expected to be 76 to 80 %, and 73 to 77 %, respectively in Nicobar Islands. Wind speed of 14.0 to 25.4 km/h is expected from North Easterly direction.

Part II: Agroclimatic zonewise Agricultural/Agro meteorological Advisories

West Bengal

Northern Hill Zone

MAJOR CROPS	STAGE	PEST & DISEASES	ADVISORY
General	-	-	In coming five days no rainfall has been forecasted so, irrigate the crops as per the requirement.
Large cardamom	Vegetative Stage	-	Use leaf mold at base of clump for moisture conservation.
Mandarin Orange	Harvesting and Non Bearing-vegetative stage	-	Harvesting of fruits should be continued with care without breaking branches and fallen fruit should be collected and destroyed. For non bearing trees, pruning of dried and overcrowded branches then spray copper oxychloride 2gm /lit of water with wettable sulphur 0.2%. Irrigation should be provided as per the requirement.
Ginger	Pre-harvesting Stage	-	Careful roguing and destruction of infected plants should be done. Healthy plots should be marked for seed rhizome for next season.
Turmeric	Pre-harvesting Stage	-	Careful roguing and destruction of infected plants should be done. Healthy plots should be marked for seed rhizome for next season.
Rice	Maturity Stage	-	If the crop is matured than harvest the crop as early as possible.

Coastal Saline Zone

Crop	Stage	Disease pest	Advisory
Boro paddy	seedling	Rotting at the base and yellowing of seedlings due to low temp.	--Apply thin layer of water during evening time and remove it at morning --For newly sown seed bed apply straw ash after drying up of seed bed --For some days old seedlings remove all water from bed and remain dry with applying fungicide and zinc sulphet for preventing seedling death
Poultry	Layers and growers	Effect of cold weather	--Arrange bulb with high power and maintain proper height of bulb for proper warming inside the cage --Apply only dry food for feeding purpose --Apply electric bulb for new born chicks --Keep the cage dry and warm
Cattle	--Take special care for newly delivered mother cow --Keep clean and dry the new born calf and cowshed --Cover the openings of shed by jute bag --Feed the cattle dry food --Cover the young one by jute bag		
Fishery	--Apply less amount of floating food only day time --Clean the surrounding for direct sunlight --Stirring the fishes with net must be done per week --Apply 8-10 kg lime mixed with water per bigha pond area		

Vindhyan Alluvial Zone

Crop	Stage	Variety	Advisory

Undulating Red and Laterite Zone

Crop	Stage	Problem	Advisory
Boro rice	Seedling	Cold injury	To protect the seedlings from cold, cover the nursery bed with polythene. Keep stagnant water in the nursery bed especially for the night time. Start preparation of the main field for transplanting.
Wheat	Tillering	Yellow Rust	Give light irrigation. Low temperature favours yellow rust disease. Spray Mancozeb 75 Wettable Powder @ 2ml/lit of water.
Potato	Vegetative stage	Mite and Thrips	Give light irrigation. Spray Acephate-75% Wettable Powder @ 0.75g/lit of water.
Mustard	Flowering	---	Irrigate the crop at the time of flowering. Avoid unnecessary application of pesticide.
Fishery	Fishery Management: 1. Apply Lime (Calcium Carbonate) depending on water pH. Lime should be broadcasted in split doses. 2. Do health check-up of fish by periodical netting.		

3. Diseased fish should be isolated from main stock and should be treated with potassium permanganate or Sodium chloride based on the severity of infestation.

General Crop coverage is moderate. The SPI map shows that the district is mildly dry in condition. So, farmers are advised to give a light irrigation to the standing crops.

Andaman & Nicobar Islands

For North and Middle Andaman

Crop/Livestock	Stage	Weather based agro advisories
Vegetable	Nursery	<ul style="list-style-type: none">Prepare raised nursery beds of 20 to 25 cm height with water channels for sowing of brinjal seed @ 400 to 500 g/ha.
Vegetable	Fruit	<ul style="list-style-type: none">Apply neem oil @ 30 ml/lt of water along with teepol @ 0.5 ml/lt after onset of fruit to control pod borer in beans.
Pig	Piglet	<ul style="list-style-type: none">To cure anaemia in piglet provide ferrous sulphate @ 0.5 kg dissolved in 10 lit of hot water.

For South Andaman

Crop/Livestock	Stage	Weather based agro advisories
Vegetable	Nursery	<ul style="list-style-type: none">Prepare raised nursery beds of 20 to 25 cm height with water channels for sowing of brinjal seed @ 400 to 500 g/ha.
Vegetable	Fruit	<ul style="list-style-type: none">Apply neem oil @ 30 ml/lt of water along with teepol @ 0.5 ml/lt after onset of fruit to control pod borer in beans.
Pig	Piglet	<ul style="list-style-type: none">To cure anaemia in piglet provide ferrous sulphate @ 0.5 kg dissolved in 10 lit of hot water.

For Nicobar

Crop/Livestock	Stage	Weather based agro advisories
Vegetable	Fruit	<ul style="list-style-type: none">Apply neem oil @ 30 ml/lt of water along with teepol @ 0.5 ml/lt after onset of fruit to control pod borer in beans.
Pig	Piglet	<ul style="list-style-type: none">To cure anaemia in piglet provide ferrous sulphate @ 0.5 kg dissolved in 10 lit of hot water.

For details please contact with AMFU/KPS /ADO's office of the respective area.