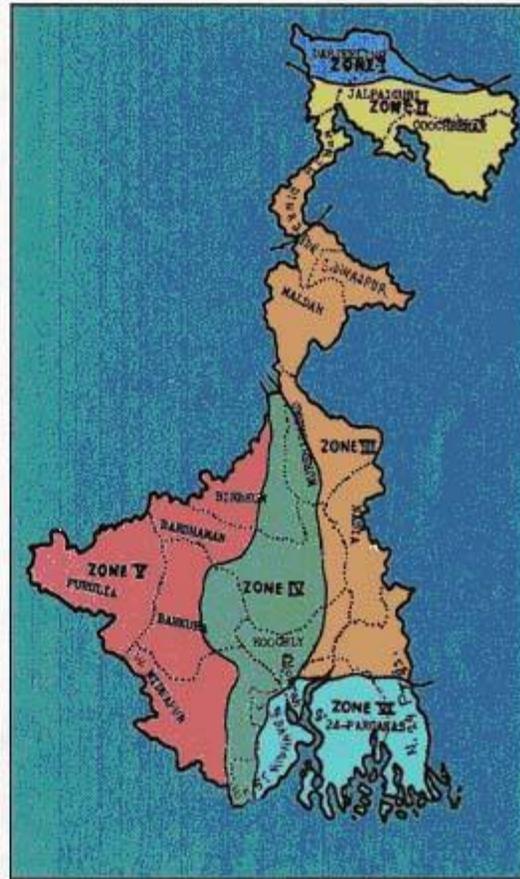


AGROMETEOROLOGICAL ADVISORY BULLETIN FOR THE STATE OF WEST BENGAL AND A&N ISLANDS

For the period from 12th January to 16th January '2019

AGROCLIMATIC REGIONS OF WEST BENGAL

-  HIMALAYAN HILLY REGION
-  TERAI AND TEESTA ALLUVIUM
-  GANGETIC ALLUVIUM
-  VINDHYA ALLUVIUM
-  RED LATERITIC
-  COASTAL SALINE



Issued on
Friday, 11th 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):

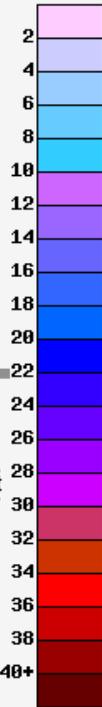
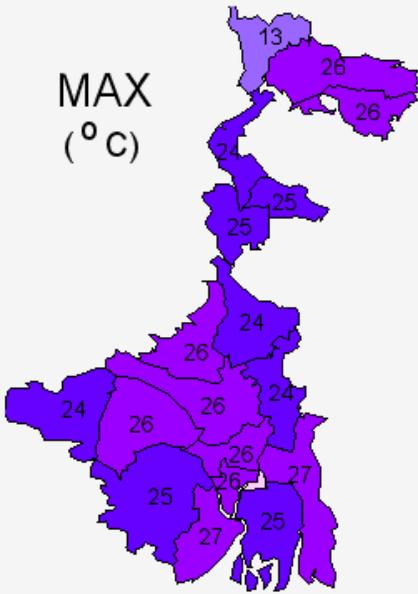
Gangetic West Bengal consists of Dakhin Dinajpur, Malda, Murshidabad , Nadia, South 24 Parganas, North 24 Parganas, Bankura, Purulia, Birbhum, Paschim Midnapore, Jhargram, Purba Midnapore, Kolkata , Burdwan.

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

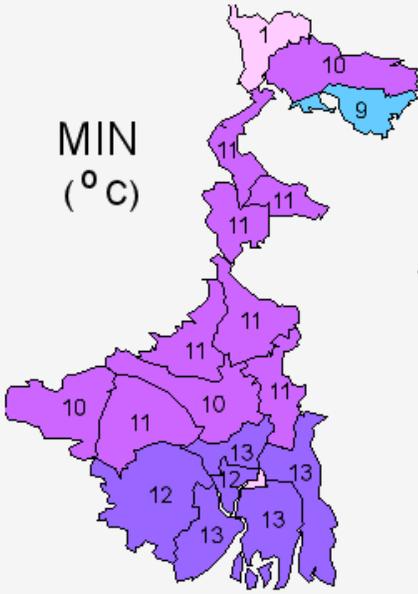
DAY 2 FORECAST

Valid up to :Sunday 13th January 2019,0830 hrs IST

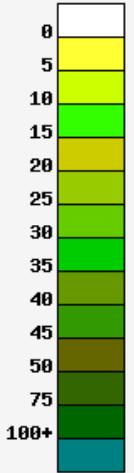
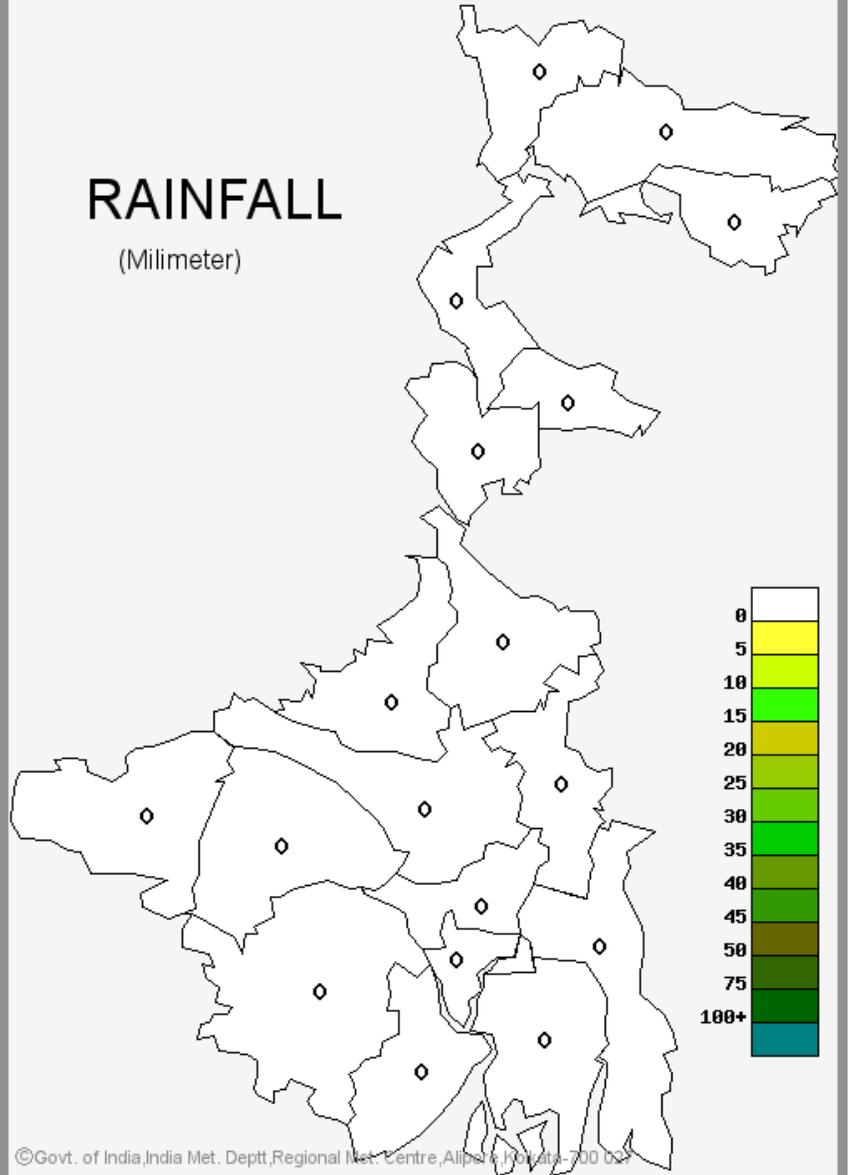
MAX
(°C)



MIN
(°C)



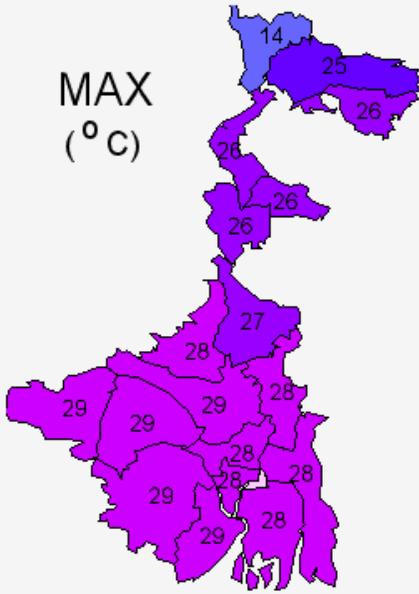
RAINFALL
(Milimeter)



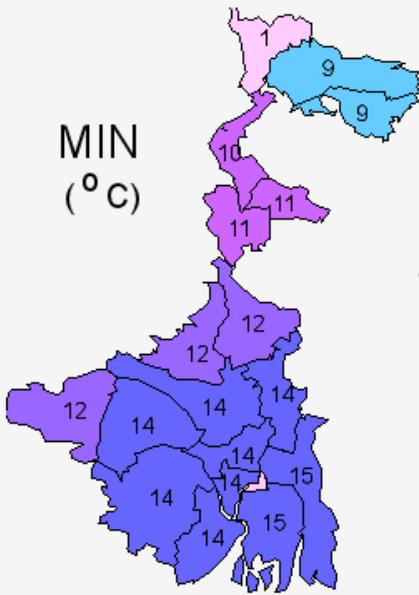
DAY 4 FORECAST

Valid up to :Tuesday 15th January 2019,0830 hrs IST

MAX
(°C)

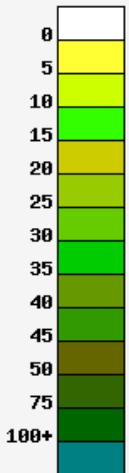
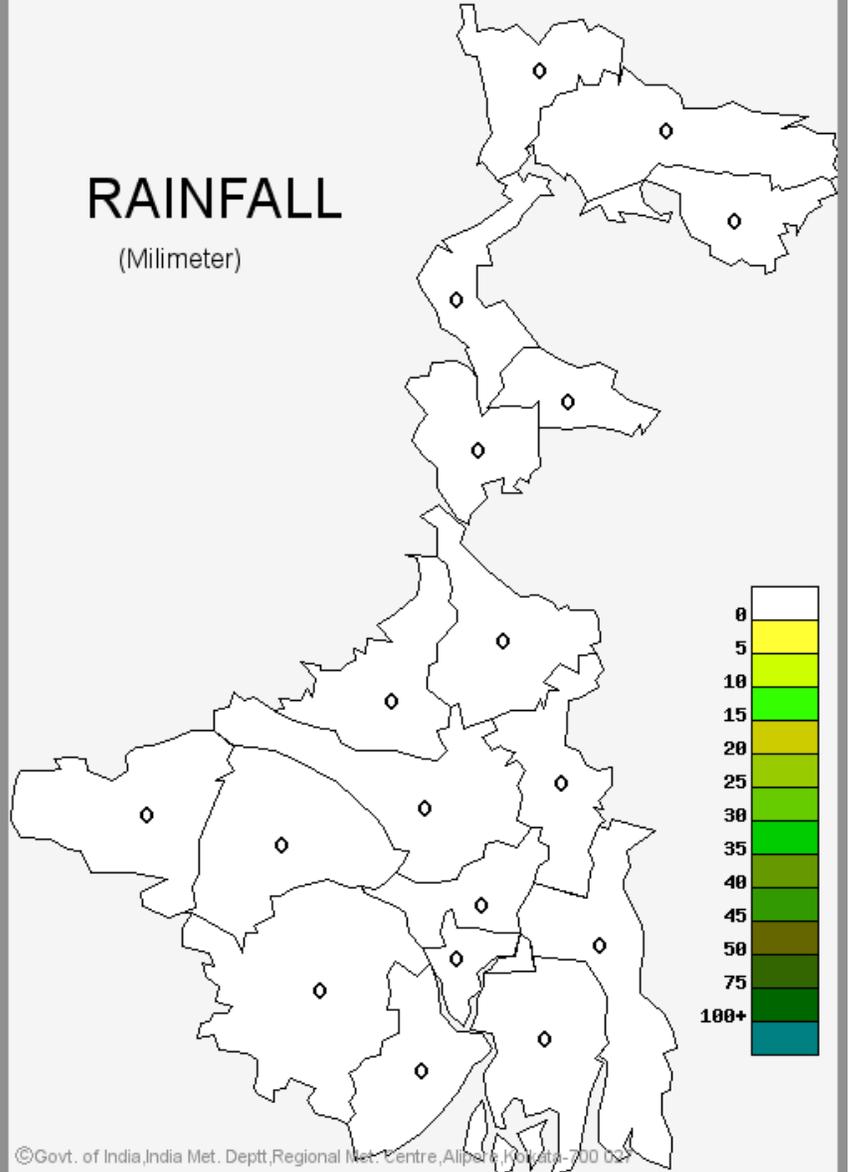


MIN
(°C)



RAINFALL

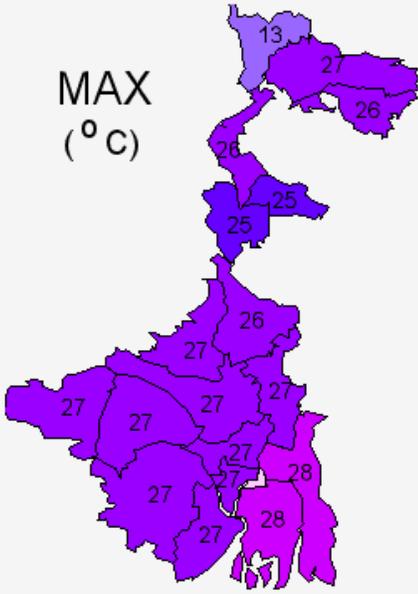
(Milimeter)



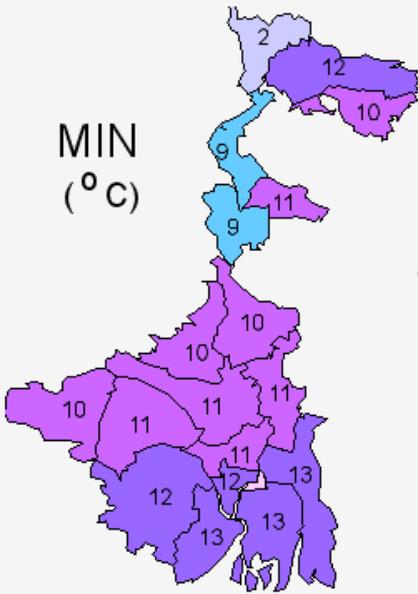
DAY 5 FORECAST

Valid up to :Wednesday 16th January 2019,0830 hrs IST

MAX
(°C)

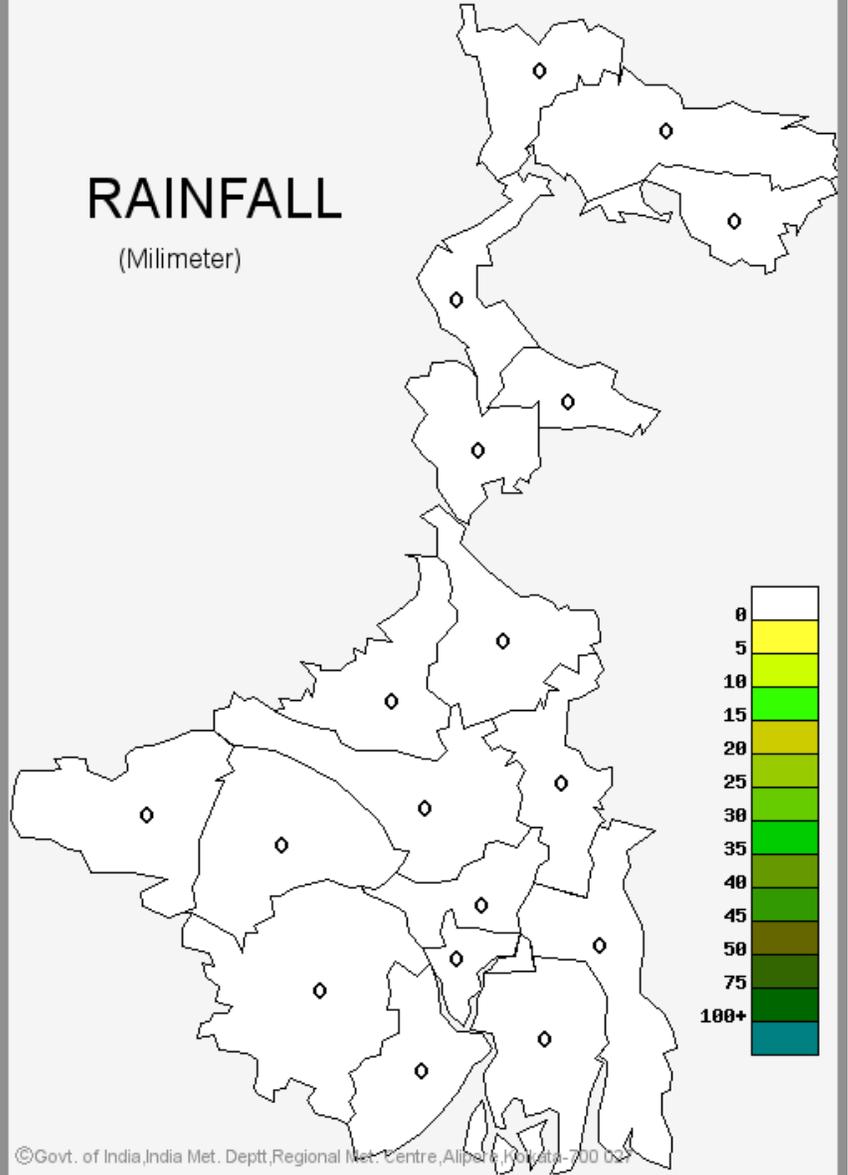


MIN
(°C)



RAINFALL

(Milimeter)



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Part I: Weather

Districtwise significant Past Weather in different agroclimatic zones for the period 08/01/19 to 10/01/19

District level Weather Forecast for different agroclimatic zones for the period 12/01/19 to 16/01/19

West Bengal

Northern Hill Zone

DARJEELING

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	8-18	3-7	50-95
Wednesday	0.0			
Thursday	0.0			

DARJEELING

Rainfall	Possibilities of no rainfall have been forecasted for coming five days. In coming 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 12 to 14°C.
Min. Temp.	Minimum temperature is expected to be around 1.0 to 2.0°C.
Max. RH	Maximum relative humidity is expected to be around 46 - 59%.
Min. RH	Minimum relative humidity is expected to be around 21 - 34%.
Wind	Wind mainly will blow from southerly on 12 th , 13 th Jan and rest of the days wind mainly will blow from south-easterly direction. In coming five days wind mainly will blow with a speed of 7.4- 7.7 km/hr is expected.

Terai-Teesta Alluvial Zone

COOCH BEHAR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	23-27	7-8	60-90
Wednesday	0.0			
Thursday	0.0			

COOCHBEHAR

- Clear Sky will remain from 12th to 15th January. and 16th January mainly clear sky.
- No rainfall will occur from 12th to 16th January.
- Wind North easterly from 12th to 16th January, average speed of 7-10 km/hr. is expected.
- Maximum temperature is expected to be around 26°C and minimum temperature is expected to be 07-10°C
- Maximum and minimum relative humidity is expected to be 45-47% and 24-33% respectively.
-

JALPAIGURI

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	24-26	9-10	65-95
Wednesday	0.0			
Thursday	0.0			

JALPAIGURI

- Clear Sky will remain from 12th to 15th January. and 16th January mainly clear sky
- No rainfall will occur from 02th to 16th January.
- Wind Easterly from 12th January, South Easterly 13th-14th January and 15th -16th January Wind North Easterly average speed of 6-8 km/hr. is expected.
- Maximum temperature is expected to be around 25-27°C and minimum temperature is expected to be 09-12°C
- Maximum and minimum relative humidity is expected to be 42-47% and 24-30% respectively.
-

NORTH DINAJPUR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	--	9-10	70-78
Wednesday	0.0			
Thursday	0.0			

NORTH DINAJPUR

- Clear Sky will remain from 12th to 16th January.
- No rainfall will occur from 02th to 16th January.
- Wind North easterly from 12th January, 13th January Northerly, 14th January and 16th January wind South Easterly , 15th January wind Westerly average speed of 7-9 km/hr. is expected.
- Maximum temperature is expected to be around 24-26°C and minimum temperature is expected to be 09-11°C
- Maximum and minimum relative humidity is expected to be 48-58% and 24-34% respectively.
-

Gangetic Alluvial Zone**BURDWAN**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	25-26	10-14	70-75
Wednesday	0.0			
Thursday	0.0			

BURDWAN

Clear sky is expected during next 5 days .
 No rainfall is expected during rest 5 days.
 Wind flow mainly from N, NE direction with 6.0- km/hr. speed during next 5 days is expected.
 Maximum relative humidity is expected to be around 48-56% and minimum relative humidity is expected to around 31% - 37%.
 Maximum temperature is expected to be around 24°C - 27°C and minimum temperature is expected to around 10°C - 12°C .

MURSHIDABAD

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	22-26	11-14	50-90
Wednesday	0.0			
Thursday	0.0			

MURSHIDABAD

Clear sky is expected during next 5 days .
 No rainfall is expected during rest 5 days.
 Wind flow mainly from N, E direction with 5.0- km/hr. speed during next 5 days is expected.
 Maximum relative humidity is expected to be around 50-63% and minimum relative humidity is expected to around 29% - 37%.
 Maximum temperature is expected to be around 24°C - 26°C and minimum temperature is expected to around 10°C - 12°C .

NADIA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	24-26	9-14	55-95
Wednesday	0.0			
Thursday	0.0			

NADIA

Clear sky is expected during next 5 days .
 No rainfall is expected during rest 5 days.
 Wind flow mainly from N, NE direction with 6.0 - km/hr. speed during next 5 days is expected.
 Maximum relative humidity is expected to be around 45%- 57% and minimum relative humidity is expected to be around 30% - 35%.
 Maximum temperature is expected to be around 24°C - 26°C and minimum temperature is expected to around 10°C - 12°C .

HOOGHLY

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	25-26	13-13	50-75
Wednesday	0.0			
Thursday	0.0			

HOOGHLY

Clear sky is expected during next 5 days .

No rainfall is expected during rest 5 days.

Wind flow mainly from N, NE direction with 7.0- km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 46-57% and minimum relative humidity is expected to be around 29% - 35%.

Maximum temperature is expected to be around 25°C-27°C and minimum temperature is expected to be around 12°C-13°C.

HOWRAH

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	25-27	10-11	75-90
Wednesday	0.0			
Thursday	0.0			

HOWRAH

Clear sky is expected during next 5 days .

No rainfall is expected during rest 5 days.

Wind flow mainly from N, NE direction with 7- 11 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 44-53% and minimum relative humidity is expected to be around 27% - 32%.

Maximum temperature is expected to be around 25°C-28°C and minimum temperature is expected to be around 12°C-14°C .

NORTH 24 PGS

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	25-26	12-14	50-75
Wednesday	0.0			
Thursday	0.0			

NORTH 24 PGS

Clear sky is expected during next 5 days .

No rainfall is expected during rest 5 days.

Wind flow mainly from SW, SE direction with 7.0 -11 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 41-54% and minimum relative humidity is expected to be around 25% - 30%.

Maximum temperature is expected to be around 25°C-27°C and minimum temperature is expected to be around 12°C-13°C .

Vindhyan Alluvial Zone

DAKSHIN DINAJPUR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	23-25	8-14	50-95
Wednesday	0.0			
Thursday	0.0			

DAKSHIN DINAJPUR

- Possibility of clear sky on 12th to 15th January and partly cloudy on 16th January.
- There seems to be possibility of no rainfall on 12th to 16th January.
- Wind from Easterly, Northerly, South-easterly, North-westerly & Southerly direction with an average speed of 7.9-9.4 Km/hr. is expected.
- Maximum temperature is expected to be around 25.0-26.0°C and minimum temperature is expected to be 10.0-11.0°C.
- Maximum and minimum relative humidity is expected to be 50-62% and 24-35% respectively.
-

MALDA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	24-25	13-14	55-80
Wednesday	0.0			
Thursday	0.0			

MALDA

- Possibility of clear sky on 12th to 15th January and partly cloudy on 16th January.
- There seems to be possibility of no rainfall on 12th to 16th January.
- Wind from Westerly, Easterly, North-westerly & Northerly direction with an average speed of 7.6-10.8 Km/hr. is expected.
- Maximum temperature is expected to be around 24.0-26.0°C and minimum temperature is expected to be 09.0-12.0°C.
- Maximum and minimum relative humidity is expected to be 51-65% and 25-34% respectively.
-

Coastal Saline Zone**PURBA MIDNAPUR**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	21-27	11-14	50-90
Wednesday	0.0			
Thursday	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 7.9-11.8 km/sec. and the predominant wind direction will be Northerly.
- Maximum temperature is expected to be around 26.0°C -28.0°C and minimum temperature is likely to be around 13.0°C-15.0°C.
- Maximum and minimum relative humidity will be in the range of 43% -51% and 26% -29%.
-

SOUTH 24-PGS

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	25-27	11-14	55-90
Wednesday	0.0			
Thursday	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 9.9-13.4km/sec. and the predominant wind direction will be Northerly.
- Maximum temperature is expected to be around 26.0°C -28.0°C and minimum temperature is likely to be around 13.0°C-15.0°C.
- Maximum and minimum relative humidity will be in the range of 44% -54% and 24% -27%.

Undulating Red and Laterite Zone

PASCHIM MIDNAPORE

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	25-25	12-13	40-80
Wednesday	0.0			
Thursday	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 6.1-9.6 km per hour will blow for coming five days.
- Relative humidity maximum will be 46-51 % and minimum will be 26-31 %
- Maximum temperature will be 25-29°C and minimum will be 12-14°C.
-

BANKURA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	26-26	10-13	60-80
Wednesday	0.0			
Thursday	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 6.2-9.5 km per hour will blow for coming five days.
- Relative humidity maximum will be 46-50% and minimum will be 25-29 %
- Maximum temperature will be 26-29°C and minimum will be 11-14°C.
-

PURULIA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	23-26	8-14	25-80
Wednesday	0.0			
Thursday	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 4.6-7.9 km per hour will blow for coming five days.
- Relative humidity maximum will be 42-53 % and minimum will be 24-28 %
- Maximum temperature will be 24-29°C and minimum will be 10-12°C.
-

BIRBHUM

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	25-26	8-14	65-85
Wednesday	0.0			
Thursday	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 8.3-10.7 km per hour will blow for coming five days.
- Relative humidity maximum will be 49-60 % and minimum will be 22-28 %
- Maximum temperature will be 25-28°C and minimum will be 10-12°C.
-

Andaman & Nicobar Islands

ANDAMAN

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	17.3	24-33	17-27	65-95
Wednesday	0.5			
Thursday	0.0			

NORTH MIDDLE ANDAMAN

Partly cloudy weather with light to moderate rainfall is likely to occur during next five days. In North and Middle Andaman 14 mm of rainfall is expected during this period. The maximum temperature in North and Middle Andaman will be 30.0 to 31.0 °C with minimum temperature of 23.0 to 24.0 °C, whereas the maximum and minimum relative humidity is expected to be in the range of 79 to 84 % and 73 to 78 % respectively in North and Middle Andaman. Wind speed of 19.1 to 20.8 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 31.0 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 24 to 25 °C, whereas the maximum and minimum relative humidity is expected to be in the range of 81 to 83 %, and 75 to 77 % respectively in South Andaman. Wind speed of 19.4 to 22.2 km/h is expected from North Easterly direction.

NICOBAR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	10.0	28-32	23-25	75-95
Wednesday	0.0			
Thursday	0.0			

NICOBAR

- Partly cloudy weather with light to moderate rainfall is likely to occur during next five days. In Nicobar Islands 41.0 mm of rainfall is expected during this period. The maximum temperature will be 30.0 °C with minimum temperature of 28 °C, whereas the maximum and minimum relative humidity is expected to be 78 to 82 %, and 75 to 79 %, respectively in Nicobar Islands. Wind speed of 19.1 to 23.5 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	-	Weeding should be done followed by light irrigation.

			Hand picking and destruction of leaf eating caterpillar of large cardamom. Use leaf mold at base of clump for moisture conservation as no rainfall has been forecasted for coming five days.
Mandarin Orange	Harvesting and Non Bearing-vegetative stage	-	Pruning of dried and overcrowded branches then spray copper oxychloride 2gm /lit of water with wettable sulphur 0.2%. Irrigation should be provided as no rainfall has been forecasted for coming five days. Manuring of the plants should be done @ 40 kg FYM/ plant and mulching also provided.
Cole Crop (Cauliflower, Cabbage, etc)	Vegetative stage	-	After weeding, irrigate the crop as per the requirement.
Potato	Vegetative Stage	-	Earthing up followed by irrigation should be provided.
Garden Pea	Flowering and Pod formation stage	-	Weeding should be done and irrigate the crops as per the requirement.
Mustard	Vegetative stage	-	Light irrigation should be given if the soil has very low moisture level as no rainfall has been forecasted for coming five days.
Animal Husbandry (Cattle)	-	-	Protect your livestock from FMD. Ensure that your animal is vaccinated with FMD vaccine.
General	-	-	In coming five days no rainfall has been forecasted so, irrigate the crops as per the requirement.
Large cardamom	Vegetative Stage	-	Weeding should be done followed by light irrigation. Hand picking and destruction of leaf eating caterpillar of large cardamom. Use leaf mold at base of clump for moisture conservation as no rainfall has been forecasted for coming five days.
Mandarin Orange	Harvesting and Non Bearing-vegetative stage	-	Pruning of dried and overcrowded branches then spray copper oxychloride 2gm /lit of water with wettable sulphur 0.2%. Irrigation should be provided as no rainfall has been forecasted for coming five days. Manuring of the plants should be done @ 40 kg FYM/ plant and mulching also provided.

Terai-Teesta Alluvial Zone

Advisory

General No rainfall will occur from 12th to 16th January.

Agriculture and Horticulture

Main Crops	Stage	Pest & Diseases	Advisory
Potato	Sowing	Late blight	Treat the seeds before sowing in the solution of (Carbendazim 1g + Mencozeb 2g) per lit. of water by dipping for at least 30 minutes. Apply Chlorpyriphos at the time of Sowing in cut worm prone areas. Spray Mancozeb@2.5g/lit. of water alternating with cu-hydroxide 2g/lit. of water at 10 days interval plants with more canopy and to be sprayed with (Cymoxinil + Mencozeb) @ 1.5g/lit. of water.
Ginger, Turmeric		Rhizome rot	Earthingup, weeding and drainingout of excess water. Turmeric In case of leaf yellowing due to rotting of rhizomes apply (Metalaxyl + Mancozeb) @2.5 g/ lit. of water as soil drenching.
Legume vegetable	Reproductive	Aphid, white fly	For Aphid control of Lab Lab bean apply Ash in case of lower infestation and in case of heavy infestation Thiomethoxam 0.3 SG @1g/3 lit.. of water may be applied.
Crucifers	Sowing of seedling		Treat the seeds with captan 50WP@3g/kg of seed before sowing. If rotting is observed on seedlings, then apply Cupperoxy. Chloride @ 3g/lit. of water.
Cucurbits	Fruiting	Fruit Fly Fruit & Vine rot White fly, Downy mildew	Collection and destruction of fruit fly infested fruits. Installation of pheromone trap @ 2/Bigha. Apply (Metalaxyl 8% + Mencozeb 64%) @ 2g/lit. of water or Azoxystrobin @1ml/lit. of water, if there is appearance of fruit rot or rotting of vines, mainly near soil surface. For white fly apply clothianidin 50 WDG@ 3g/10lit. of water. For downy mildew yellowish patches develop on upper surface of the leaf, below which whitish fungal growth seen. In such symptom apply Azoxystrobin @ 1 mili/ lit. of water.
Brinjal	Vegetative Fruiting,	fruit and shoot borer	For the management of fruit and shoot borer one application of coragen @ 4 ml/tank. Cleanliness to be maintained. Apply

		Nematode White fly, Jassid,	Thiomethoxam 0.3 SG @1g/3lit. of water to manage sucking pests infestation. For nematode problem apply Fipronil 0.3G @1.5 Kg/Bigha followed by a light irrigation or Nimitz 480 EC@ 4-8 lit/ha. could be applied against root knot nematode. For white fly and jassid, apply Acetamiprid 20% SP@1g/3lit or Thiomithoxam 0.3 SG 1g/3lit of water.
Chilli	vegetative	Aphid, white fly, Thrips Yellow mite,	For Aphid, hoppers, white fly and thrips apply Imidacloprid 17.8 SL@1ml/5lit. of water or thiomethoxam @1g/3lit of water. For yellow mite apply propergite 2.5 ml/lt. of water.

ANIMAL HUSBANDRY & FISHERY

Name of Animal	Disease	Control measures
Cattle and Buffalo	Non specific Diarrhoea, FMD	The cattle population are supposed to suffer from non-specific diarrhea during this, mid rainy season due to water borne infections. Any gut acting antibacterials along with remonetric preparation may lead to satisfactory result. FMD may also consider during this hot humid condition. Appropriate Vaccination coverage. Anthelminitics of course for animals in proper doses is also advisable for better production potentials.
Chicken	pox	Care for day old chicks with proper brooding, ventilation and management may arrangement reduce the mortality percent. A course of antibacterial for 3-5 days is recommended for pasting vent condition. Immunization against ND (Ranikhet) recommended as scheduled.

Gangetic Alluvial Zone

Crop	Stage	Advisory
Mustard	Vegetative stage	Plant spacing should be maintained at 12-15 cm by thinning. Intercultural operations like light spading and weeding should be done. If required, light irrigation should be given as there is no rainfall forecast.
Gram and Pea	Vegetative stage	Intercultural operations like light spading and weeding should be done. In case of collar rot, drenching the soil with a combination of chlorothalonil (2g) + carbendazim (1 g)/lt of water.
Cabbage, Cauliflower, Broccoli, Tomato, Chilli, French Bean, Pointed Gourd, Cucumber	Vegetative	Intercultural operations like light spading and weeding should be done followed by 1 st top dressing of nitrogenous fertilizer and earthing up for cabbage, cauliflower, broccoli, tomato, chilli. After fertilizer application, light irrigation should be given. No need to apply nitrogenous fertilizer in case of french bean at this stage but other operations should be followed. For pointed gourd after sprouting/germination of vine/root cuttings, hand weeding followed by mulching with paddy straw should be done. If downy mildew appears in the leaf, alternate spraying with cymoxanil-mancozeb (Curzate) (2.5 g/lt) and fosetyl Al (Alliet) (2.5g/lt) at 10 days interval is very effective.
Potato	Sprouting /Vegetative stage	If planting is done at end of November to first week of December, depending on the soil moisture, apply splash irrigation at 3-4 days interval up to 2-3 days before 1 st

		<p>earthing up as there is no forecast of rainfall.</p> <p>If planting is done before 15th of November, light spading followed by hand weeding at this stage is necessary. First top dressing with 1/4th amount of total nitrogen (200 kg N) + 1/4th amount of total potash (150 kg) followed by earthing up should be done. Apply chloropyriphos @ 2.5 ml/lit of water against the attack of cut worm and leaf eating insect.</p>
Rabi Onion & Garlic	Vegetative	Intercultural operations like light spading and weeding should be done. Propiconazole (Tilt) @ 1ml/l with a sticker 4-5 times starting from 15 days after transplanting to check purple blotch disease.
Flowers like Marigold, Chrysanthemum & Gladiolus	Vegetative	Intercultural operations like light spading and weeding should be done.
Spinach, Radish, Fenugreek, Coriander, Turnip	Vegetative	Extra seedlings should be thinned out. Intercultural operations like light spading and weeding should be done.
Mango Orchard	General	Wrapping of plastic sheets around mango trunk should be done for preventing climbing of young mealy bugs. Apply grease to seal any cracks in the polythene sheets. Irrigation should be done in all orchards.
Poultry	General	As the temperature is very low, arrange electric bulb for whole day in the cages of new born chicks. For avoiding moist condition of litter apply lime and old news paper in the litter.
Mustard	Vegetative stage	Plant spacing should be maintained at 12-15 cm by thinning. Intercultural operations like light spading and weeding should be done. If required, light irrigation should be given as there is no rainfall forecast.
Gram and Pea	Vegetative stage	Intercultural operations like light spading and weeding should be done. In case of collar rot, drenching the soil with a combination of chlorothalonil (2g) + carbendazim (1 g)/lt of water.

Coastal Saline Zone

Crop	Stage	Disease	Advisory
Boro paddy	seedling		--Prepare main field by proper ploughing and removing all the weeds and transplanting start within 2-3 days

		--Apply basal fertilizer viz.urea@9kg/bigha , SSp@54kg/bigha and MOP@11kg/bigha --Start transplanting in the main field
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 7-10 kg lime mixed with water per bigha pond area during morning time --Start to sell Ruhi, Katla, Mrigel etc. carp
Potato	Vegetative	Chance of blight Where the age of plants are 3 weeks apply copper fungicide @4g/liter of water as precaution measure
Potato	Vegetative	Chance of blight --Where plants are 5 weeks age apply Diethane M-45@2.5g/liter of water --Where already 6 weeks over earthing up should be done after top dressing --Apply first top dressing by urea and potash only through the furrow --Irrigation should be given only through furrow by filing 2/3 rd of the furrow --Before irrigation one earthing up should be done

Vindhyan Alluvial Zone

Crop	Stage	Variety	Advisory
General	--	--	There seems to be possibility of no rainfall 12 th January to 16 th January. Spray should be done as per requirement.
Boro Rice	Seedling		If seedlings are becoming reddish, spray Tricyclozole @ 0.5g/liter of water and after one day spray Cheleted Zinc @ 1g/liter of water. Apply water to the nursery at evening and drain out at morning as night temperature is low.
Lentil	Growth stage	--	As temperature is lowing spray Carbendazim 50% @ 2g/liter of water as protective measures.
Winter Vegetables	Vegetative	Pest	Management of winter vegetable pest at early vegetative stage sprays Chlorpyriphos 50% + Cypermethin 5% @ 1.5 ml/liter of water.
Mustard	Growth	Aphid	Management of mustard aphid sprays Dinoteforun 20% S G @ 0.5gram/liter of water.
Potato	Early vegetative	Insect	Management of Potato insect pests sprays Neem oil 1% @ 3ml/liter + Sandovit @ 0.5ml/liter at evening hours at 7 days interval.
Betel vine			To protect the Boroz from cold weather covered the Boroz with paddy straw.
Cattle	--	--	50-55 days after sowing of Berseem and 55-60 days of Oats, these can be harvested. Henceforth, Barseem can be harvested every 25-30 days.

Undulating Red and Laterite Zone

Crop	Stage	Problem	Advisory
Boro rice	Nursery-Seedling	Cold injury	To protect the seedlings from cold, cover the nursery bed with polythene. Provide proper drainage channels in the nursery bed. Main field preparations should be completed as early as possible.
Wheat	Jointing/Tillering	Yellow Rust	Low temperature favours yellow rust disease. Spray Mancozeb 75 Wettable Powder @ 2ml/lit of water at clear weather condition.
Potato	Vegetative stage	--	Second earthing up operation has to be done at this stage

		Early and late blight	Apply Mancozeb @ 2.5 g/lit of water at clear weather condition and if required apply the same again after 10-12 day
Mustard	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	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 if necessary		

Andaman & Nicobar Islands

For North and Middle Andaman

Crop/Livestock	Stage	Weather based agro advisories
Vegetable	30 Days	<ul style="list-style-type: none"> Do weeding in brinjal and apply vemicompost after 30 days of transplanting.
Sweet potato	planting	<ul style="list-style-type: none"> Prepare the land and plant sweet potato as the weather is conducive for it.
Papaya	Fallen	<ul style="list-style-type: none"> Clean the fallen/damage papaya tree from the field, to avoid spreading of fungal diseases.
Poultry	All	<ul style="list-style-type: none"> Vaccinate the poultry birds for RD and IBD in consultation with veterinary doctors.

For South Andaman

Crop/Livestock	Stage	Weather based agro advisories
Vegetable	30 Days	<ul style="list-style-type: none"> Do weeding in brinjal and apply vemicompost after 30 days of transplanting.
Sweet potato	planting	<ul style="list-style-type: none"> Prepare the land and plant sweet potato as the weather is conducive for it.
Papaya	Fallen	<ul style="list-style-type: none"> Clean the fallen/damage papaya tree from the field, to avoid spreading of fungal diseases.
Poultry	All	<ul style="list-style-type: none"> Vaccinate the poultry birds for RD and IBD in consultation with veterinary doctors.

For Nicobar

Crop/Livestock	Stage	Weather based agro advisories
Papaya	Fallen	<ul style="list-style-type: none"> Clean the fallen/damage papaya tree from the field, to avoid spreading of fungal diseases.
Poultry	All	<ul style="list-style-type: none"> Vaccinate the poultry birds for RD and IBD in consultation with veterinary doctors.

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