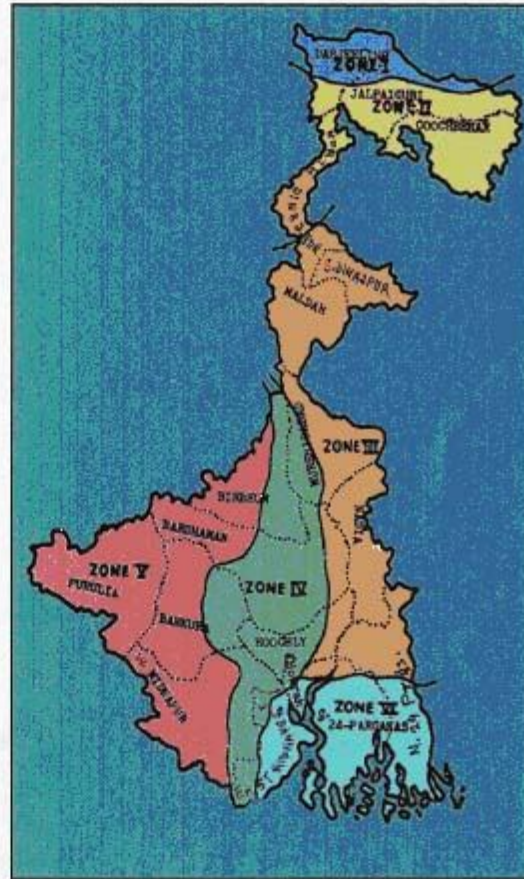


# AGROMETEOROLOGICAL ADVISORY BULLETIN FOR THE STATE OF WEST BENGAL AND A&N ISLANDS

*For the period from 19<sup>th</sup> December '2018 to 23<sup>rd</sup> December '2018*

## AGROCLIMATIC REGIONS OF WEST BENGAL

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



Issued on  
**Tuesday, 18<sup>th</sup> December '2018**

### **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	<b>Northern Hill Zone</b>	Darjeeling	Kalimpong
2	<b>Terai-Teesta Alluvial Zone</b>	Jalpaiguri, Alipurduar, Coochbehar and Uttar Dinajpur.	Pundibari
3	<b>Gangetic Alluvial Zone</b>	Murshidabad, Nadia, North 24 Parganas, Howrah, Hooghly and Burdwan	Kalyani
4	<b>Vindhyan Alluvial Zone</b>	Dakhin Dinajpur, Malda	Majhian
5	<b>Costal Saline Zone</b>	South 24 Parganas and Purba Midnapore	Kakdeep
6	<b>Undulating Red and Laterite Zone</b>	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):

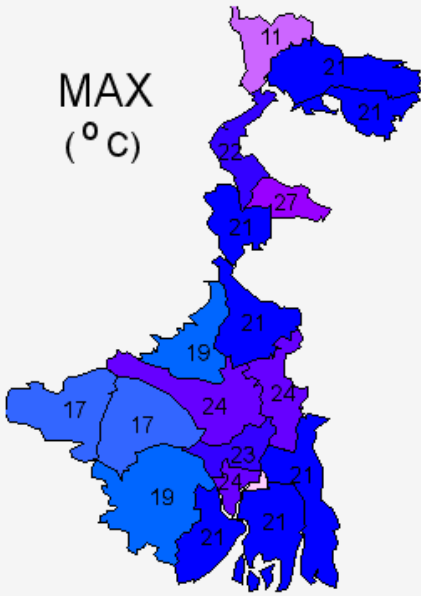
Gangetic West Bengal consists of Dakhin Dinajpur, Malda, Murshidabad, Nadia, South 24 Parganas, North 24 Parganas, Bankura, Purulia, Birbhum, Paschim Midnapore, Jhargram, Purba Midnapore, Kolkata, Burdwan.

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

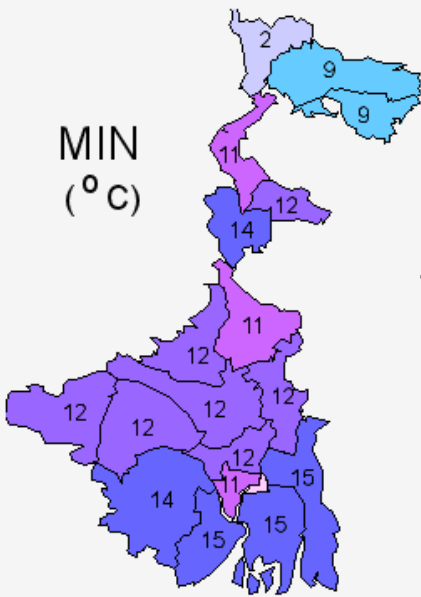
# DAY 1 FORECAST

Valid up to :Wednesday 19th December 2018,0830 hrs 15

MAX  
(°C)

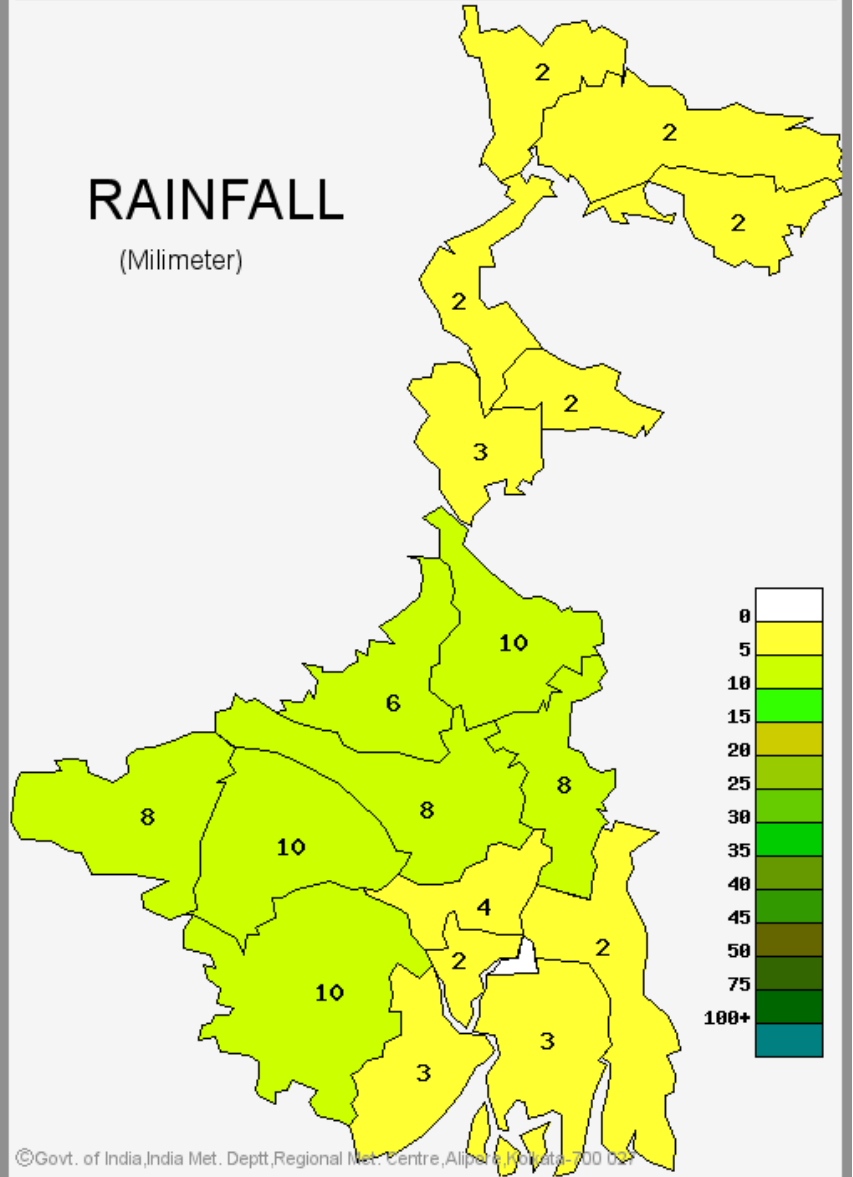


MIN  
(°C)



## RAINFALL

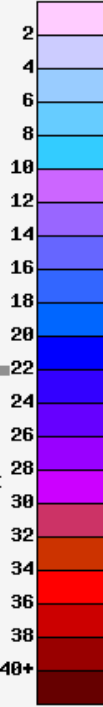
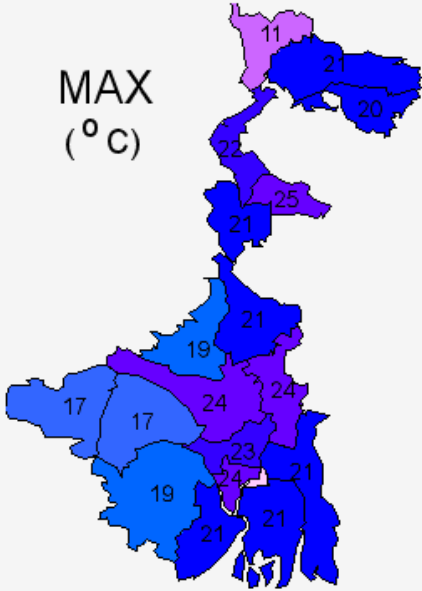
(Milimeter)



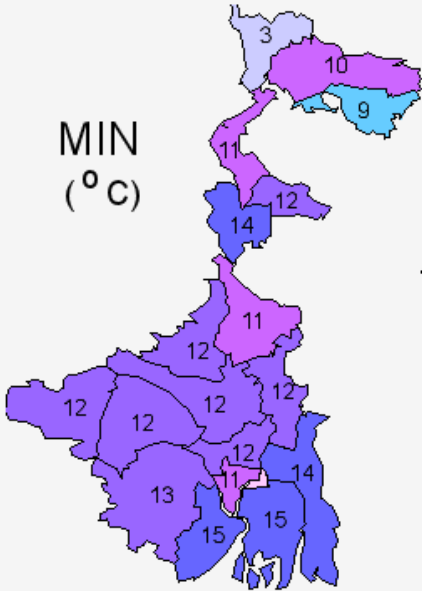
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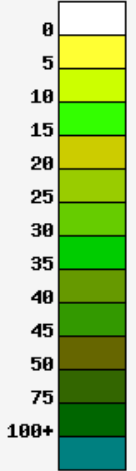
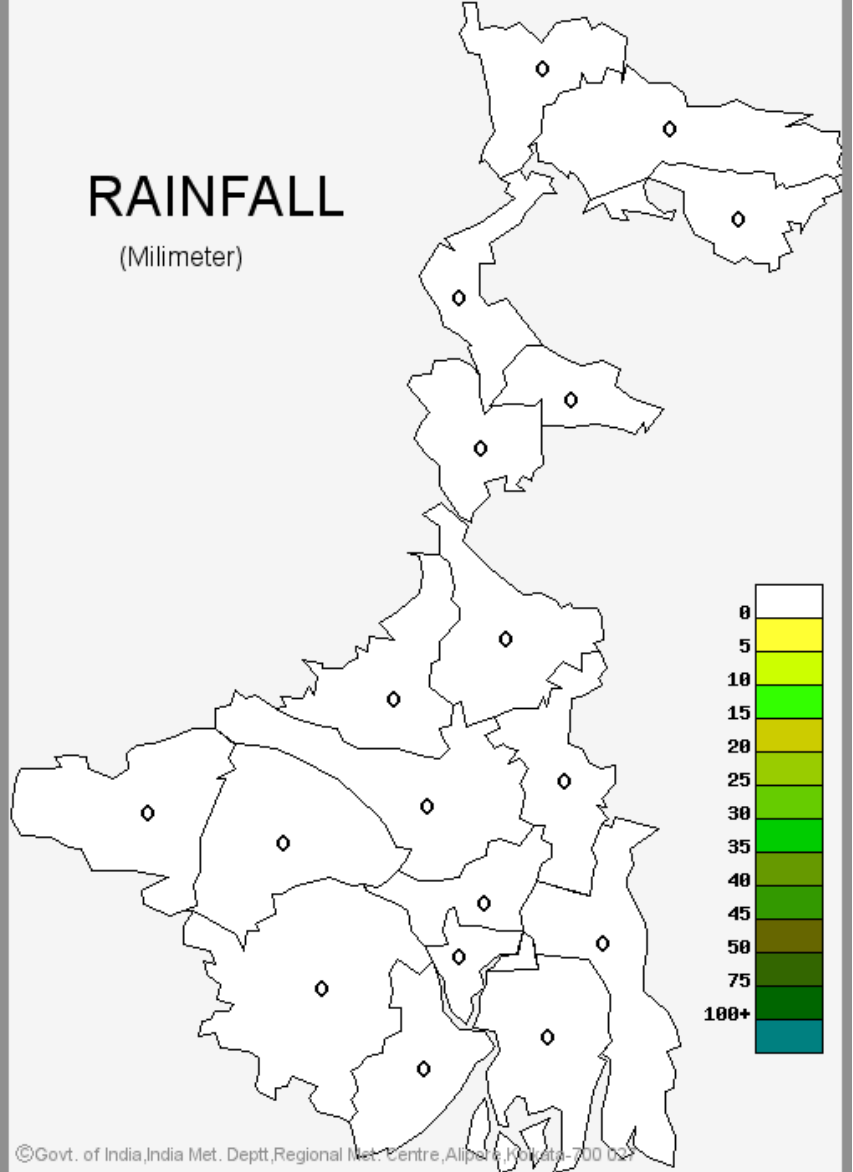
MAX  
(°C)



MIN  
(°C)



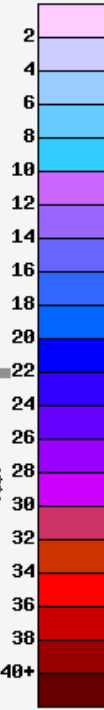
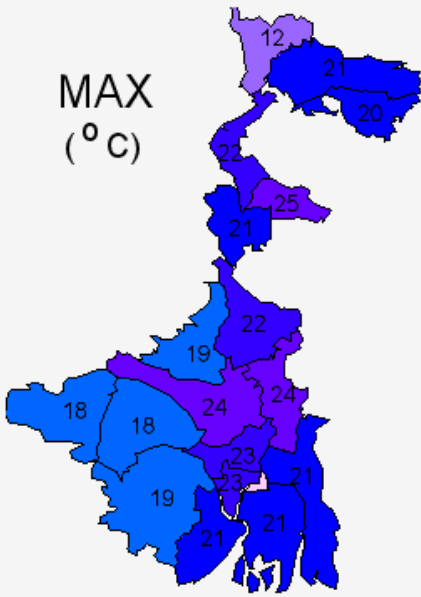
RAINFALL  
(Milimeter)



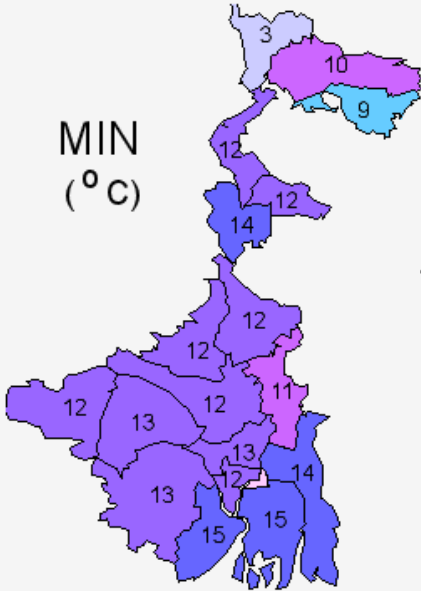
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Valid up to :Friday 21st December 2018,0830 hrs IST

MAX  
(°C)

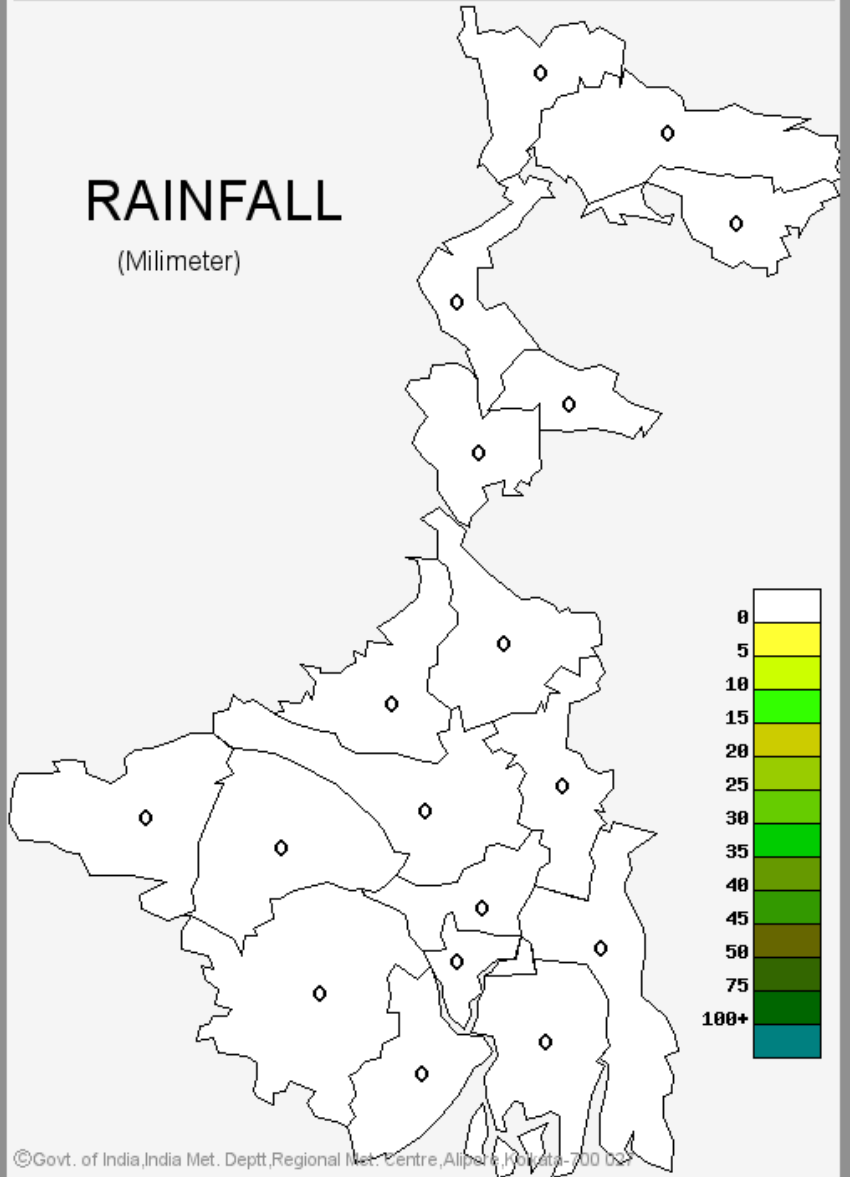


MIN  
(°C)



## RAINFALL

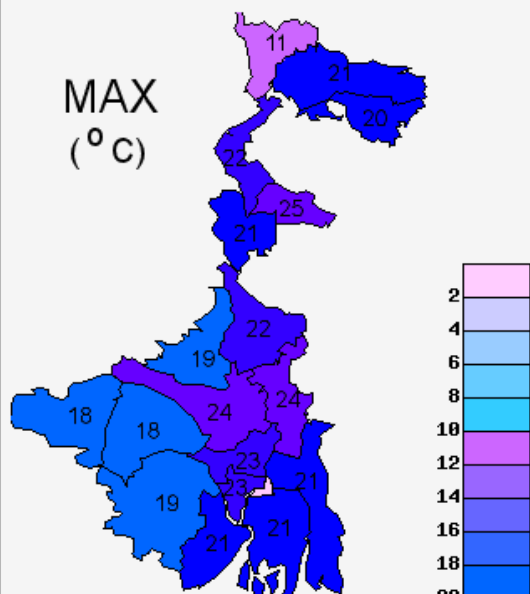
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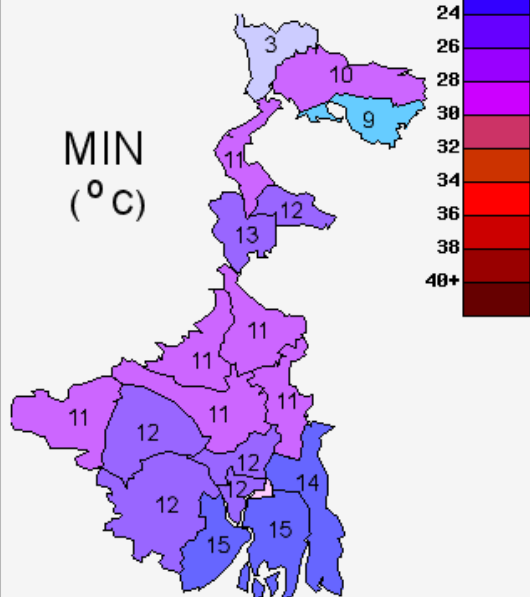
# DAY 4 FORECAST

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MAX  
(°C)

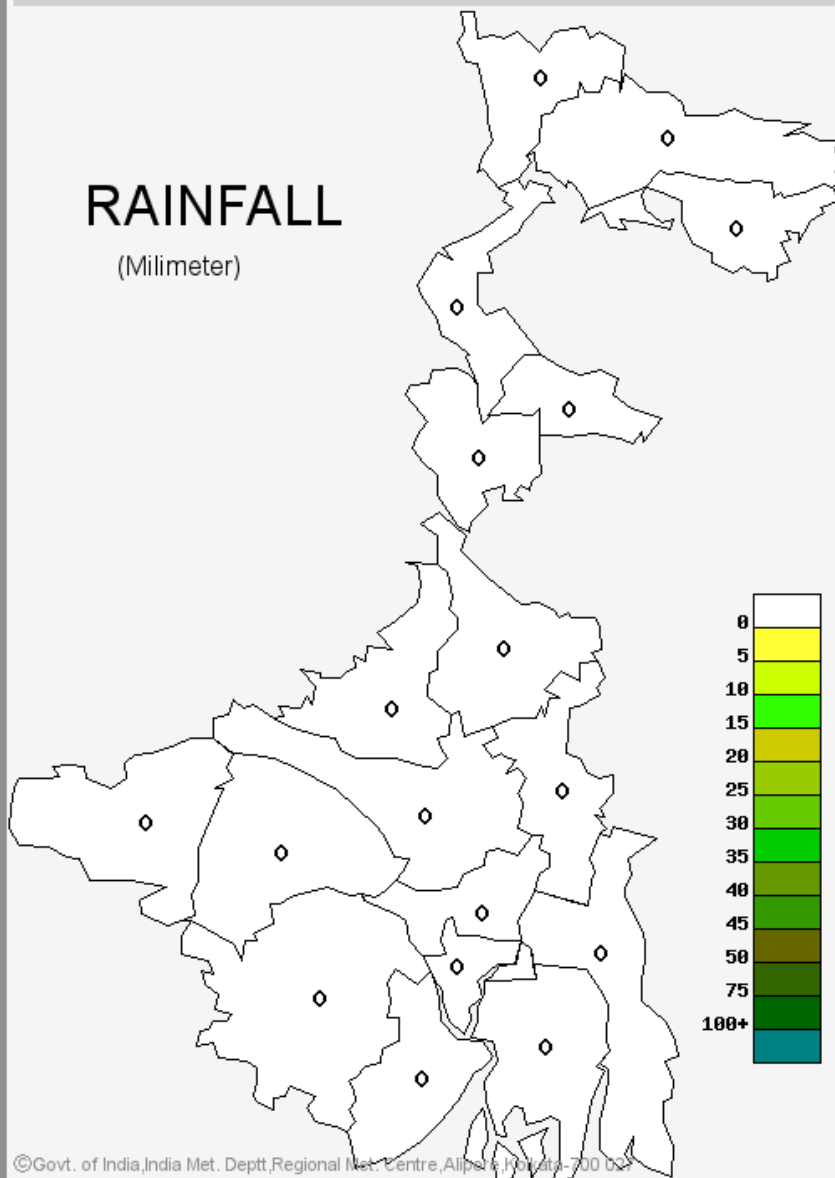


MIN  
(°C)



## RAINFALL

(Milimeter)

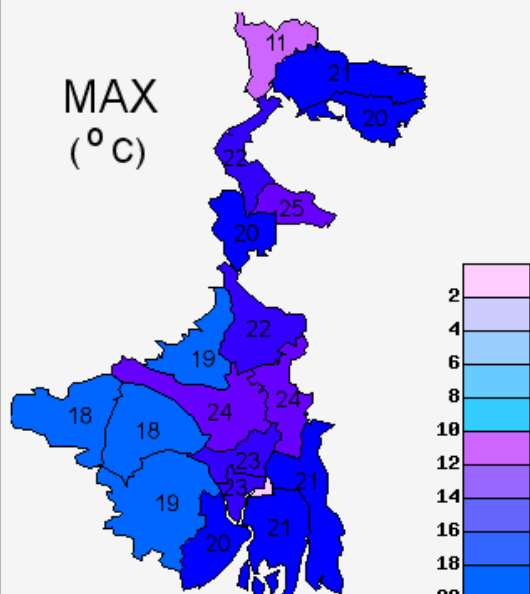


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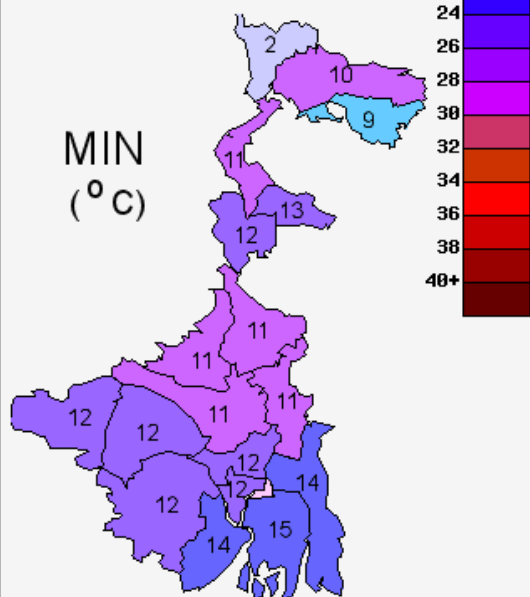
# DAY 5 FORECAST

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MAX  
(°C)

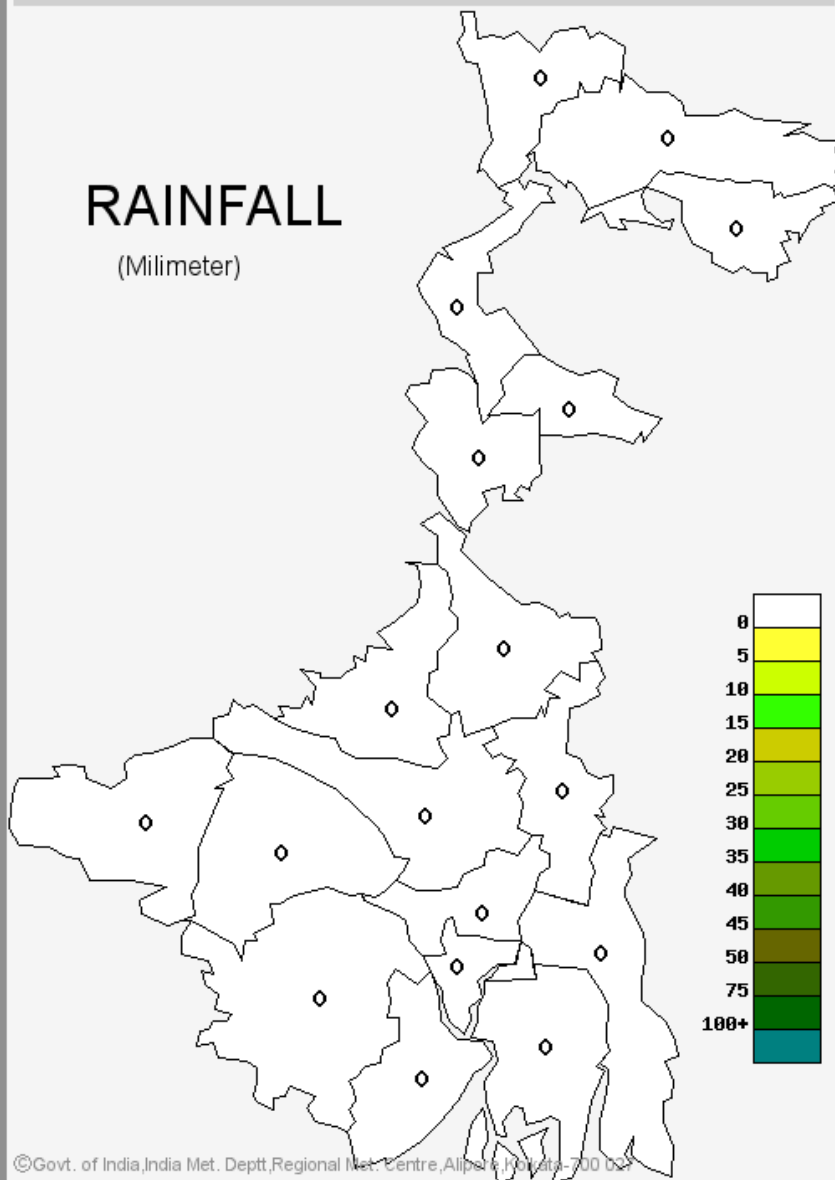


MIN  
(°C)



## RAINFALL

(Milimeter)



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## Part I: Weather

*Districtwise significant Past Weather in different agroclimatic zones for the period 14/12/18 to 17/12/18*

*District level Weather Forecast for different agroclimatic zones for the period 19/12/18 to 23/12/18*

### West Bengal

#### Northern Hill Zone

##### DARJEELING

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	10-19	3-8	53-92
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

##### DARJEELING

<b>Rainfall</b>	Possibilities very light rainfall on 19 <sup>th</sup> Dec and rest of the days no rainfall are expected. In next five days total rainfall of 2.0 mm is expected.
<b>Cloud Cover</b>	Possibilities of mainly cloudy sky on 19 <sup>th</sup> Dec and rest of the day's clear sky are expected.
<b>Max. Temp.</b>	Maximum temperature is expected to be around 11 to 12°C.
<b>Min. Temp.</b>	Minimum temperature is expected to be around 2.0 to 3.0°C.
<b>Max. RH</b>	Maximum relative humidity is expected to be around 70-94%.
<b>Min. RH</b>	Minimum relative humidity is expected to be around 39-73%.
<b>Wind</b>	Wind mainly will blow from south-easterly on 22 <sup>nd</sup> Dec, westerly on 23 <sup>rd</sup> Dec and rest of the days wind mainly will blow from southerly direction. In coming five days wind mainly will blow with a speed of 5.1- 7.0 km/hr is expected.

#### Terai-Teesta Alluvial Zone

##### COOCH BEHAR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	22-29	9-12	63-83
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

##### COOCHBEHAR

➤

##### JALPAIGURI

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	23-31	11-14	60-82
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	23-24	12-13	81-88
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	26-29	14-18	70-82
Saturday	0.0			
Sunday	0.0			
Monday	2.0			

**BURDWAN**

. Partly cloudy (19<sup>th</sup> Dec.) to clear sky is expected during next 5 days .

medium rainfall is expected during 19<sup>th</sup> Dec.(16mm) and no rainfall is expected during rest 4 days.

Wind flow mainly from N direction with 8.2- 12.6 km/hr speed during next 5 days is expected.

Maximum relative humidity is expected to be around 52-93% and minimum relative humidity is expected to be around 28% - 87%.

Maximum temperature is expected to be around 17°C - 25°C and minimum temperature is expected to be around 11°C – 13°C.

**MURSHIDABAD**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	23-28	12-18	62-93
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

**MURSHIDABAD**

➤ Partly cloudy (19<sup>th</sup> Dec.) to clear sky is expected during next 5 days .

➤ Light rainfall is expected during 19<sup>th</sup> Dec.(19mm) and no rainfall is expected during rest 4 days.

➤ Wind flow mainly from N direction with 8.6- 11.1 km/hr. speed during next 5 days is expected.

➤ Maximum relative humidity is expected to be around 52%-93% and minimum relative humidity is expected to be around 31% - 84%.

➤ Maximum temperature is expected to be around 17°C – 25°C and minimum temperature is expected to be around 10°C – 12°C.

**NADIA**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	24-27	12-18	52-97
Saturday	0.0			
Sunday	0.0			
Monday	3.4			

**NADIA**

Partly cloudy (19<sup>th</sup> Dec.) to clear sky is expected during next 5 days .

medium rainfall is expected during 19<sup>th</sup> Dec.(19 mm) and no rainfall is expected during rest 4 days.

Wind flow mainly from N direction with 9.8- 15.3 km/hr speed during next 5 days is expected.

Maximum relative humidity is expected to be around 52-94% and minimum relative humidity is expected to be around 31% - 83%.

Maximum temperature is expected to be around 16°C - 25°C and minimum temperature is expected to be around 10°C – 13°C.

**HOOGHLY**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	24-28	15-18	47-92
Saturday	0.0			
Sunday	0.0			
Monday	3.0			

**HOOGHLY**

Partly cloudly (19<sup>th</sup> Dec.) to clear sky is expected during next 5 days .

Light rainfall is expected during 19<sup>th</sup> Dec.(6mm) and rainfall is expected during rest 4 days.

Wind flow mainly from N direction with 8.7- 14.8 km/hr speed during next 5 days is expected.

Maximum relative humidity is expected to be around 51-94% and minimum relative humidity is expected to be around 29% - 85%.

Maximum temperature is expected to be around 17°C - 25°C and minimum temperature is expected to be around 11°C – 13°C.

**HOWRAH**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	25-28	11-14	80-87
Saturday	0.0			
Sunday	0.0			
Monday	2.0			

**HOWRAH**

Partly cloudly (19<sup>th</sup> Dec.) to clear sky is expected during next 5 days .

Light rainfall is expected during 19<sup>th</sup> Dec.(3mm) and rainfall is expected during rest 4 days.

Wind flow mainly from N direction with 9.1- 15.8 km/hr speed during next 5 days is expected.

Maximum relative humidity is expected to be around 51-92% and minimum relative humidity is expected to be around 27% - 82%.

Maximum temperature is expected to be around 17°C - 25°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 (%)
Friday	0.0	21-25	18-19	52-92
Saturday	0.0			
Sunday	0.0			
Monday	3.1			

**NORTH 24 PGS**

Partly cloudly (19<sup>th</sup> Dec.) to clear sky is expected during next 5 days .

Light rainfall is expected during 19<sup>th</sup> Dec.(5mm) and rainfall is expected during rest 4 days.

Wind flow mainly from N direction with 11.1 - 14.8 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 54-93% and minimum relative humidity is expected to be around 30% - 81%.

Maximum temperature is expected to be around 20°C - 26°C and minimum temperature is expected to be around 14°C – 16°C.

**Vindhyan Alluvial Zone**

**DAKSHIN DINAJPUR**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	26-27	13-17	52-98
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

**DAKSHIN DINAJPUR**

- Possibility of partly cloudy sky on 19<sup>th</sup> December and clear sky on 20<sup>th</sup> to 23<sup>rd</sup> December.
- There seems to be possibility of light rainfall on 19<sup>th</sup> December and no rain on 20<sup>th</sup> to 23<sup>rd</sup> December.
- Wind from South-westerly & North-westerly direction with an average speed of 6.3-10.3 Km/hr. is expected.
- Maximum temperature is expected to be around 25.0<sup>o</sup>C and minimum temperature is expected to be 12.0-13.0<sup>o</sup>C.
- Maximum and minimum relative humidity is expected to be 59-93% and 40-80% respectively

**MALDA**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	22-27	16-17	43-74
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

**MALDA**

- Possibility of partly cloudy sky on 19<sup>th</sup> December and clear sky on 20<sup>th</sup> to 23<sup>rd</sup> December.
- There seems to be possibility of light rainfall on 19<sup>th</sup> December and no rain on 20<sup>th</sup> to 23<sup>rd</sup> December.
- Wind from North-westerly direction with an average speed of 7.0-10.3 Km/hr. is expected.
- Maximum temperature is expected to be around 20.0-21.0<sup>o</sup>C and minimum temperature is expected to be 12.0-14.0<sup>o</sup>C.
- Maximum and minimum relative humidity is expected to be 48-92% and 31-82% respectively.

**Coastal Saline Zone****PURBA MIDNAPUR**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	20-29	12-19	55-92
Saturday	0.0			
Sunday	0.0			
Monday	0.7			

**PURBA MIDNAPUR**

- Light rainfall is predicted on 19<sup>th</sup> December but no rainfall is predicted in the remaining days.
- Sky will be partly cloudy in the next five days.
- Wind speed will be 9.1-19.5 km/sec. and the predominant wind direction will be Northerly .
- Maximum temperature is expected to be around 20.0<sup>o</sup>C -25.0<sup>o</sup>C and minimum temperature is likely to be around 12.0<sup>o</sup>C- 15.0<sup>o</sup>C.
- Maximum and minimum relative humidity will be in the range of 53% -89% and 28% -83%.

**SOUTH 24-PGS**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	22-29	15-19	50-94
Saturday	0.0			
Sunday	0.0			
Monday	2.2			

**SOUTH 24-PGS**

- Light rainfall is predicted on 19<sup>th</sup> December but no rainfall is predicted in the remaining days.
- Sky will be partly cloudy in the next five days.
- Wind speed will be 10.9-20.5km/sec. and the predominant wind direction will be Northerly.
- Maximum temperature is expected to be around 20.0<sup>o</sup>C -26.0<sup>o</sup>C and minimum temperature is likely to be around 12.0<sup>o</sup>C- 15.0<sup>o</sup>C.
- Maximum and minimum relative humidity will be in the range of 51% -91% and 29% -84%.

**Undulating Red and Laterite Zone**

**PASCHIM MIDNAPORE**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	22-27	16-18	35-97
Saturday	0.0			
Sunday	0.0			
Monday	6.2			

**PASCHIM MIDNAPORE**

- Moderate rainfall on Wednesday and partially clear sky will be present for the same.
- Predominant wind direction will be Northwesterly. Wind with a speed of 7.9-14.4 km per hour will blow for coming five days.
- Relative humidity maximum will be 55-93 % and minimum will be 30-86 %
- Maximum temperature will be 19°C and minimum will be 12-14°C.

**BANKURA**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	25-29	16-18	40-92
Saturday	0.0			
Sunday	0.0			
Monday	4.8			

**BANKURA**

- Moderate rainfall on Wednesday and partially clear sky will be present for the same.
- Predominant wind direction will be Northwesterly. Wind with a speed of 7.8-12.1 km per hour will blow for coming five days.
- Relative humidity maximum will be 54-93 % and minimum will be 27-88 %
- Maximum temperature will be 17-18°C and minimum will be 12-13°C

**PURULIA**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	25-27	14-16	34-91
Saturday	0.0			
Sunday	0.0			
Monday	0.1			

**PURULIA**

- No rainfall for the coming five days and partially clear sky will be present for the same.
- Predominant wind direction will be Northwesterly. Wind with a speed of 6.5-8.9 km per hour will blow for coming five days.
- Relative humidity maximum will be 52-93 % and minimum will be 23-87 %
- Maximum temperature will be 17-18°C and minimum will be 11-12°C.

**BIRBHUM**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	20-29	15-19	44-92
Saturday	0.0			
Sunday	0.0			
Monday	0.8			

**BIRBHUM**

- Light rainfall on Wednesday and partially clear sky will be present for the same.
- Predominant wind direction will be Northwesterly. Wind with a speed of 7.6-10.7 km per hour will blow for coming five days.
- Relative humidity maximum will be 51-92 % and minimum will be 29-87 %
- Maximum temperature will be 19°C and minimum will be 11-12°C.

**Andaman & Nicobar Islands****ANDAMAN**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	22.8	29-33	14-24	73-100
Saturday	0.1			
Sunday	2.9			
Monday	3.0			

**NORTH MIDDLE ANDAMAN**

Partly cloudy weather with light to moderate rainfall is likely to occur during next five days. In North and Middle Andaman 71 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 25.0 °C, whereas the maximum and minimum relative humidity is expected to be in the range of 78 to 84 % and 67 to 74 % respectively in North and Middle Andaman. Wind speed of 9.5 to 18.6 km/h is expected from South Easterly direction

## SOUTH ANDAMAN.

- Partly cloudy weather with light to heavy rainfall is likely to occur during next five days. In South Andaman 116.0 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 25 to 26 °C, whereas the maximum and minimum relative humidity is expected to be in the range of 77 to 84 %, and 67 to 75 % respectively in South Andaman. Wind speed of 10.3 to 22.6 km/h is expected from South Easterly direction

## NICOBAR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	39.8	26-33	16-24	76-93
Saturday	3.4			
Sunday	0.0			
Monday	23.0			

## NICOBAR

- Partly cloudy weather with light to moderate rainfall is likely to occur during next five days. In Nicobar Islands 56.0 mm of rainfall is expected during this period. The maximum temperature will be 29.0 to 30.0 °C with minimum temperature of 27 to 28 °C, whereas the maximum and minimum relative humidity is expected to be 79 to 83 %, and 68 to 80 %, respectively in Nicobar Islands. Wind speed of 8.6 to 22.4 km/h is expected from South 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 very light rainfall on 19 <sup>th</sup> Dec and rest of the days no rainfall has been forecasted so, irrigate the crops as per the requirement and drainage channel should be maintained.
Large cardamom	Vegetative Stage	-	Use leaf mold at base of clump for moisture conservation.
Mandarin Orange	Vegetative and Harvesting stage	-	Harvesting of fruits should be continued, as per the elevation. Remove and destroy the fallen fruits to prevent population of fruit fly.
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	Dough Stage	-	No irrigation is recommended for this stage and drainage channel should be maintained.
Cole Crop (Cauliflower, Cabbage, etc)	Vegetative stage	-	Weeding should be done and drainage channel should be maintained.
Potato	Land Preparation	-	During land preparation all the weeds and previous crops stubble should be removed from field. Before sowing of tubers full dose of FYM @ 10 ton/ha and 1/3 dose of nitrogen (66kg/ha) and full dose of phosphorus (150kg/ha) and 1/3 dose potassium (50kg/ha) should be incorporated to the soil.
Garden Pea	Vegetative stage	-	Weeding should be done and drainage channel should be maintained.
Mustard	Land preparation and sowing	-	At the time of land preparation 40 kg Nitrogen, 40 kg phosphorus and 20 kg potassium per hectare should be incorporated. In boron deficient soil borax should be applied @ 10 kg per hectare during final land preparation. Mustard should be sown at 30cmx 5-7 cm spacing and seed rate 5-6 kg per hectare.
Animal Husbandry (Sheep and Goat)	-	-	Sheep and goat are susceptible to Pneumonia and FMD in winter months. Take protective measure in winter months. Give vaccination against FMD. Don't allow sheep and goat to graze at early morning.

## Terai-Teesta Alluvial Zone

### Advisory

**GENERAL**

### Agriculture and Horticulture

Main Crops	Stage	Pest & Diseases	Advisory

### Animal Husbandry

Name of Animal	Disease	Control measures

## 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. If required, light irrigation should be given.
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 <sup>st</sup> 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	<p>If planting is done 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<sup>st</sup> earthing up.</p> <p>If planting is done before 15<sup>th</sup> of November, light spading followed by hand weeding at this stage is necessary. First top dressing with 1/4<sup>th</sup> amount of total nitrogen (200 kg N) + 1/4<sup>th</sup> amount of total potash (150 kg) followed by earthing up should be done. Apply chloropyriphos @ 2.5 ml/lt of water against the attack of cut worm and leaf eating insect.</p>
Rabi Onion	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



& Garlic	e	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	Arrange electric bulb whole day in the cages of new born chicks. For avoiding moist condition of litter apply lime and old news paper in the litter.

## Coastal Saline Zone

Crop	Stage	Disease pest	Advisory
Poultry	Layers and growers	Effect of cold and damp weather	--Apply lime and old newspaper for preventing moist condition within the liter --Apply only dry food for feeding purpose --Apply electric bulb for new born chicks --Keep the cage dry and warm
Boro paddy	--Start Sowing of boro paddy --Maintain a thin layer of water over the seed bed --Seed must be treated before sowing		
Cattle	--Take special care for newly delivered mother cow --Keep clean and dry the new born calf --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 --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
General	--	--	
Paddy	Seed ling		Start preparing nursery for Boro rice.
Lentil	Growth stage	--	Stop spraying till rain stops. Spray 2% DAP solution (20g/lit) at 25 DAS. Also spray Borax @ 2g/liter water. Spraying should be done well with sufficient

			water. At least 75 liter (5 tanks) water per bigha.
<b>Winter Vegetables</b>	Vegetative	Pest	Management of winter vegetable pest at early vegetative stage sprays Chlorpyrifos 50% + Cypermethin 5% @ 1.5 ml/liter of water.
<b>Mustard</b>	Growth	Leaf blight	To control leaf blight of mustard, spray copper oxychloride @ 3-4gram/liter of water.
<b>Betel vine</b>			To protect the Boroz from cold weather covered the Boroz with paddy straw.
<b>Cattle</b>	--	--	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.
<b>Fishery</b>	Fish Disease	--	Apply CIFAX @ 1lit/ha-m for three months as required to control ulcer disease of fish.

## Undulating Red and Laterite Zone

Crop	Stage	Problem	Advisory
<b>Wheat</b>	<b>Crown Root Initiation Tillering</b>	<b>--- Weeds Yellow Rust</b>	<b>When the crop at 20-25 days after sowing, apply 17.4 kg Urea per bigha followed by light irrigation. If weeds are noticed in the field, farmers are advised to apply 2,4-D Ester 36% (Trade Name: Weedone) @ 2 ml/lit of water at 30-35 days after sowing. Low temperature favours the rust disease. Spray Mancozeb 75 WP @2g/lit of water.</b>
<b>Potato</b>	<b>Sprout development/ Vegetative stage</b>	<b>Weeds</b>	<b>Farmers are advised to give light irrigation. If weeds are appeared in the field, remove the weeds by hand weeding.</b>
<b>Mustard</b>	<b>Vegetative stage</b>	<b>Weeds Mustard aphid</b>	<b>Give light irrigation to maintain the optimum moisture in the soil. If weeds are noticed in the field, follow hand weeding. Cold weather favours the pest multiplication. Spray Imidacloprid @1ml/1.5 lit of water</b>
<b>Cabbage/ Cauliflower</b>	<b>Vegetative stage/ Flower development</b>	<b>Aphid and Diamond backmoth</b>	<b>Spray Need Seed Kernal Extract solution @30ml/lit of water at clear weather condition.</b>
<b>General (NDVI, SPI)</b>	<b>Crop coverage is good and soil is moderately wet in condition for the district. Due to moderate rainfall, no need for supplemental irrigation to crops.</b>		

## Andaman & Nicobar Islands

### For North and Middle Andaman

Crop/Livestock	Stage	Weather based agro advisories
Rice	Harvesting	<ul style="list-style-type: none"> <li>Take the harvested paddy to nearby shelter to avoid losses due to rain.</li> </ul>
Vegetable	All	<ul style="list-style-type: none"> <li>Provide drainage in low lying area to avoid water logging leading to damage of the vegetable crops.</li> </ul>
Goat and chicken	All	<ul style="list-style-type: none"> <li>Protect goat and chicken from rain by providing water proof shelter.</li> </ul>

### For South Andaman

Crop/Livestock	Stage	Weather based agro advisories
Rice	Harvesting	<ul style="list-style-type: none"> <li>Take the harvested paddy to nearby shelter to avoid losses due to rain.</li> </ul>



Vegetable	All	<ul style="list-style-type: none"> <li>• Provide drainage in low lying area to avoid water logging leading to damage of the vegetable crops.</li> </ul>
Goat and chicken	All	<ul style="list-style-type: none"> <li>• Protect goat and chicken from rain by providing water proof shelter.</li> </ul>

**For Nicobar**

<b>Crop/Livestock</b>	<b>Stage</b>	<b>Weather based agro advisories</b>
Vegetable	Seed Treatment	<ul style="list-style-type: none"> <li>• Raise vegetable nursery separately and treat the seed of brinjal, tomato and chilli with trichoderma/Pseudomonas @ 2 gm/kg of seed.</li> </ul>
Goat and chicken	All	<ul style="list-style-type: none"> <li>• Protect goat and chicken from rain by providing water proof shelter.</li> </ul>

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