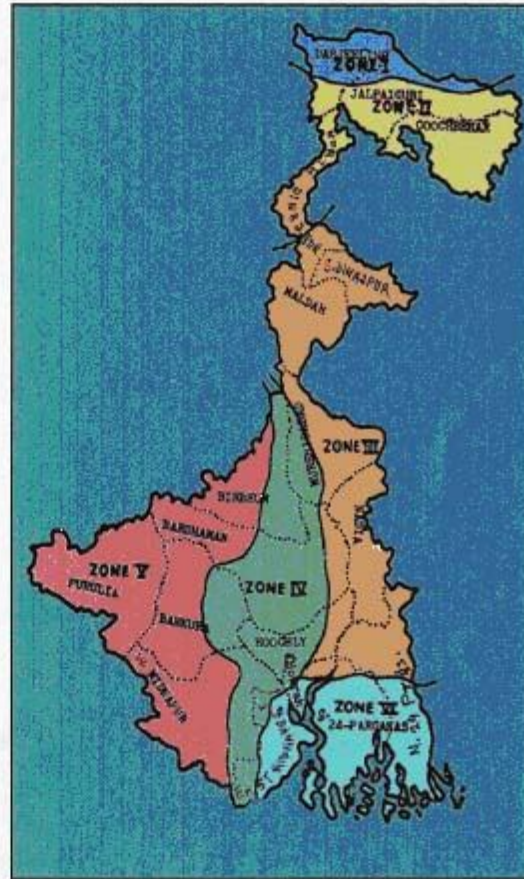


AGROMETEOROLOGICAL ADVISORY BULLETIN FOR THE STATE OF WEST BENGAL AND A&N ISLANDS

For the period from 20th October '2018 to 24th October '2018

AGROCLIMATIC REGIONS OF WEST BENGAL

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



Issued on
Friday, 19th October '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	Northern Hill Zone	Darjeeling	Kalimpong
2	Terai-Teesta Alluvial Zone	Jalpaiguri, 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 and Birbhum	Kharagpur

Met sub-divisions of the state

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

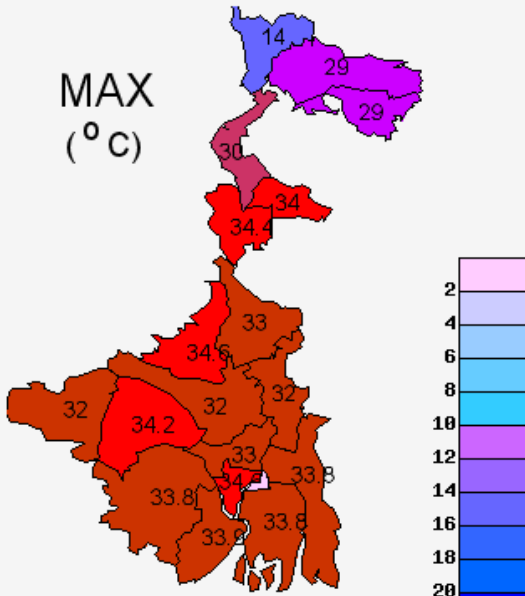
Gangetic West Bengal consists of Dakhin Dinajpur, Malda, Murshidabad, Nadia, South 24 Parganas, North 24 Parganas, Bankura, Purulia, Birbhum, Paschim Midnapore, Purba Midnapore, Kolkata, Burdwan.

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

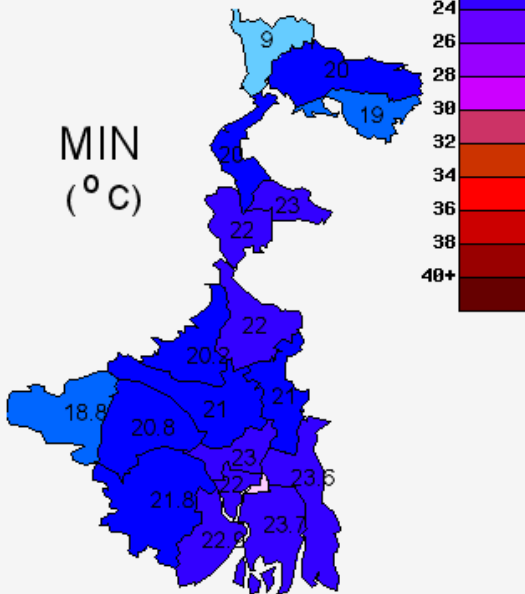
DAY 2 FORECAST

Valid up to : Sunday 21st October 2018, 0830 hrs IST

MAX
(°C)

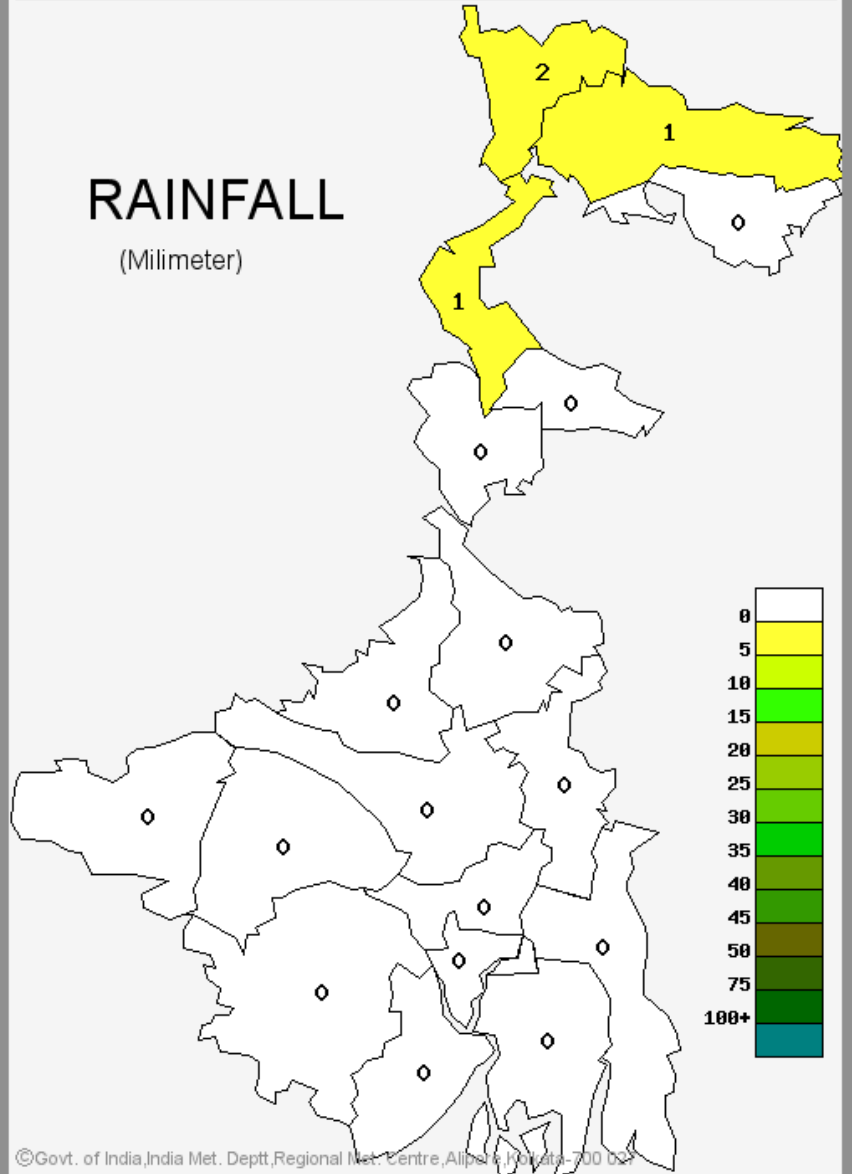


MIN
(°C)



RAINFALL

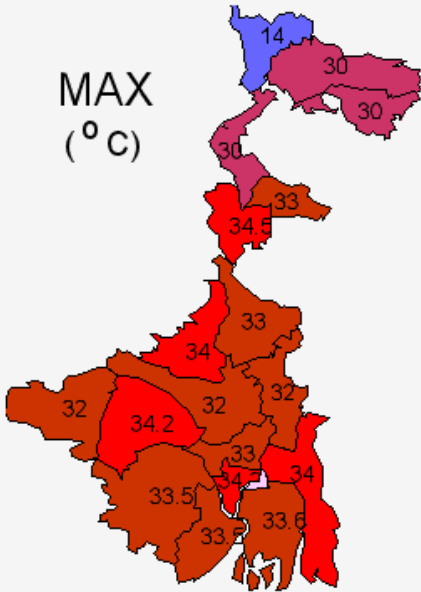
(Milimeter)



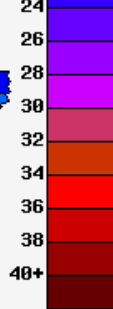
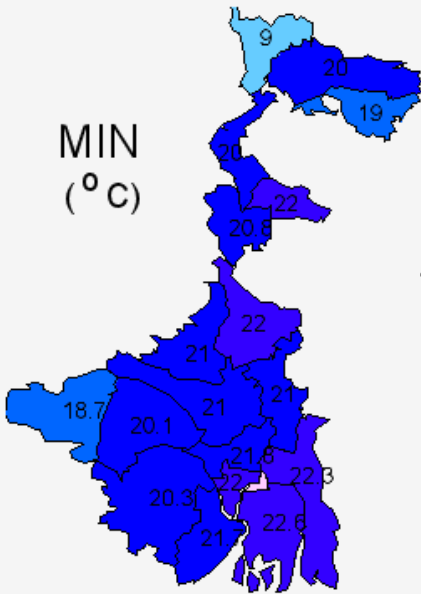
DAY 3 FORECAST

Valid up to :Monday 22nd October 2018,0830 hrs IST

MAX
(°C)

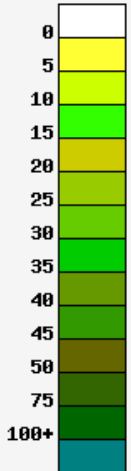
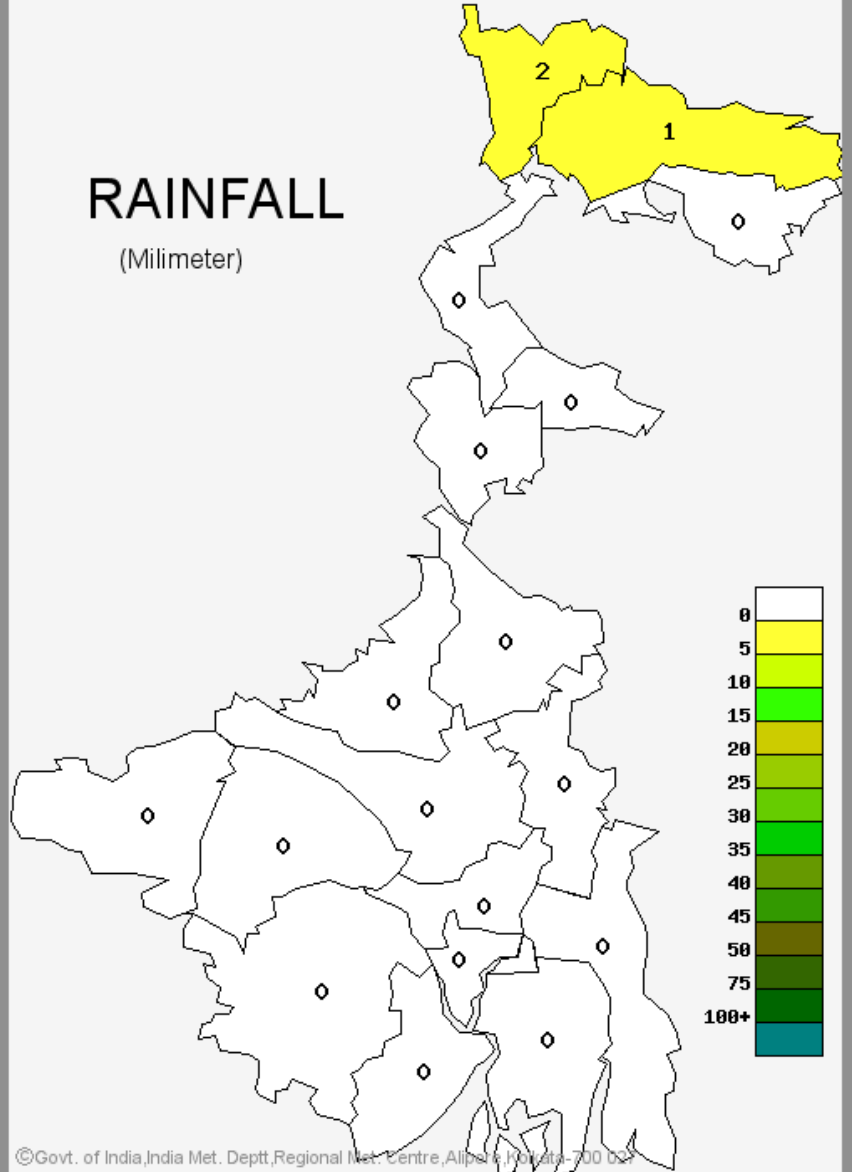


MIN
(°C)



RAINFALL

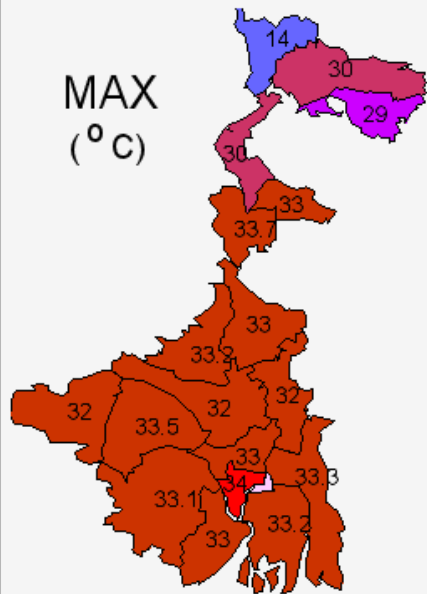
(Milimeter)



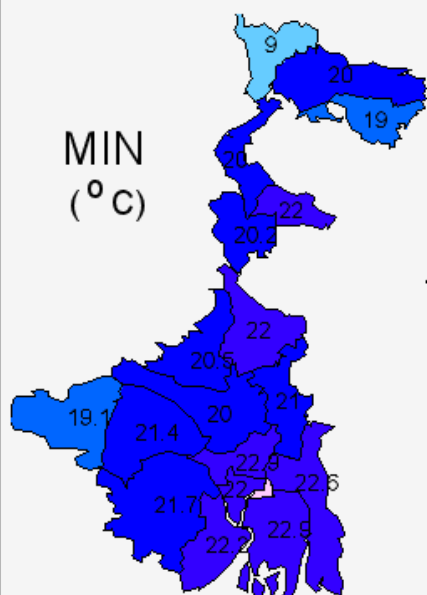
DAY 4 FORECAST

Valid up to : Tuesday 23rd October 2018, 0830 hrs IST

MAX
(°C)

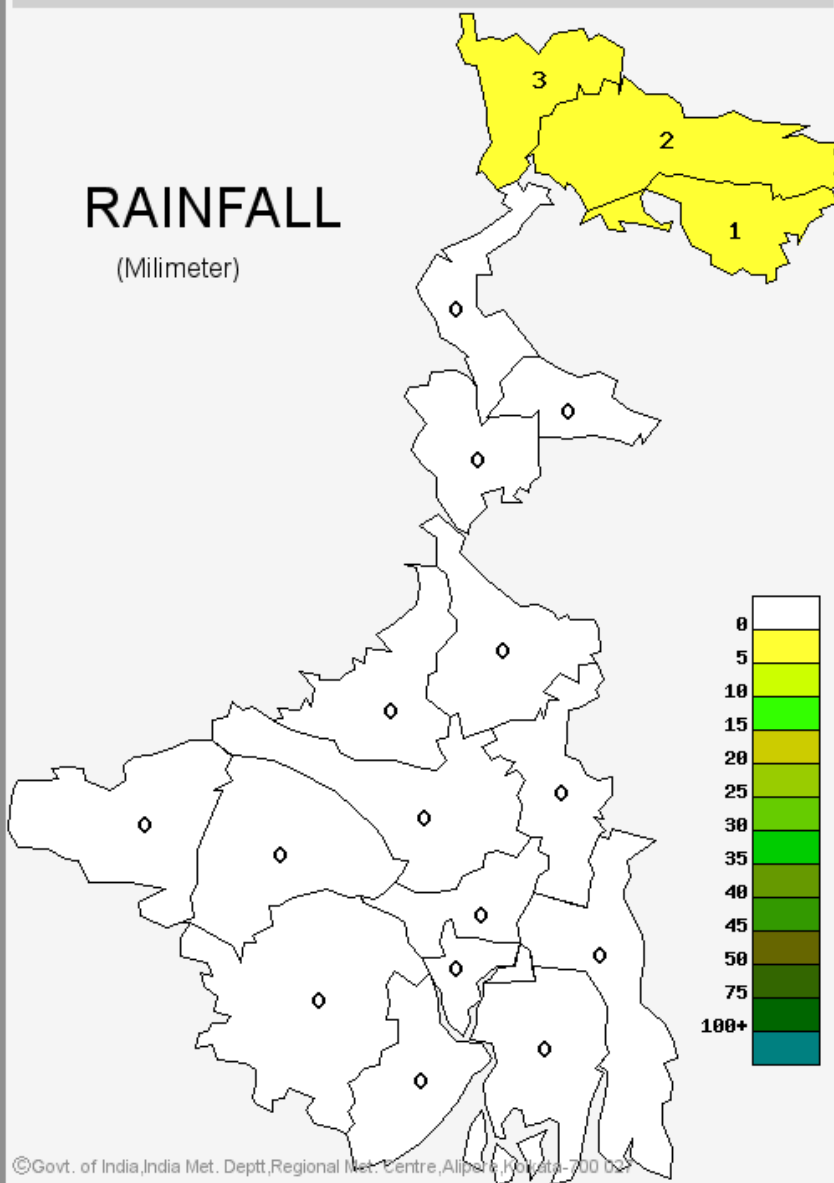


MIN
(°C)



RAINFALL

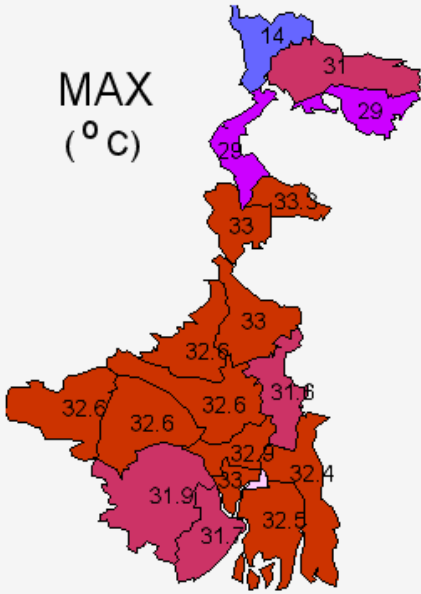
(Milimeter)



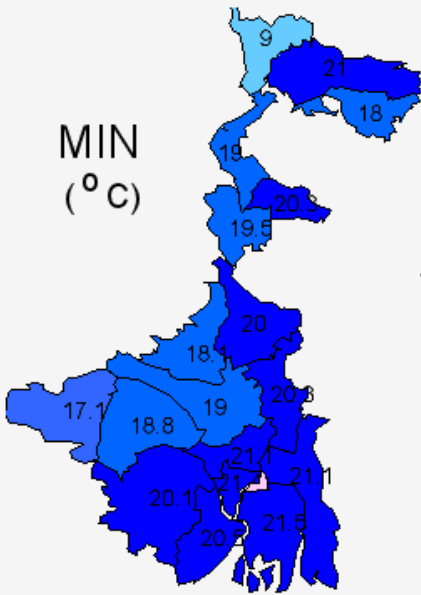
DAY 5 FORECAST

Valid up to :Wednesday 24th October 2018,0830 hrs IST

MAX
(°C)

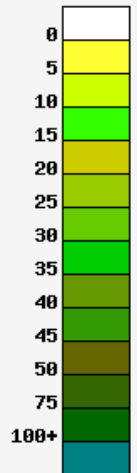
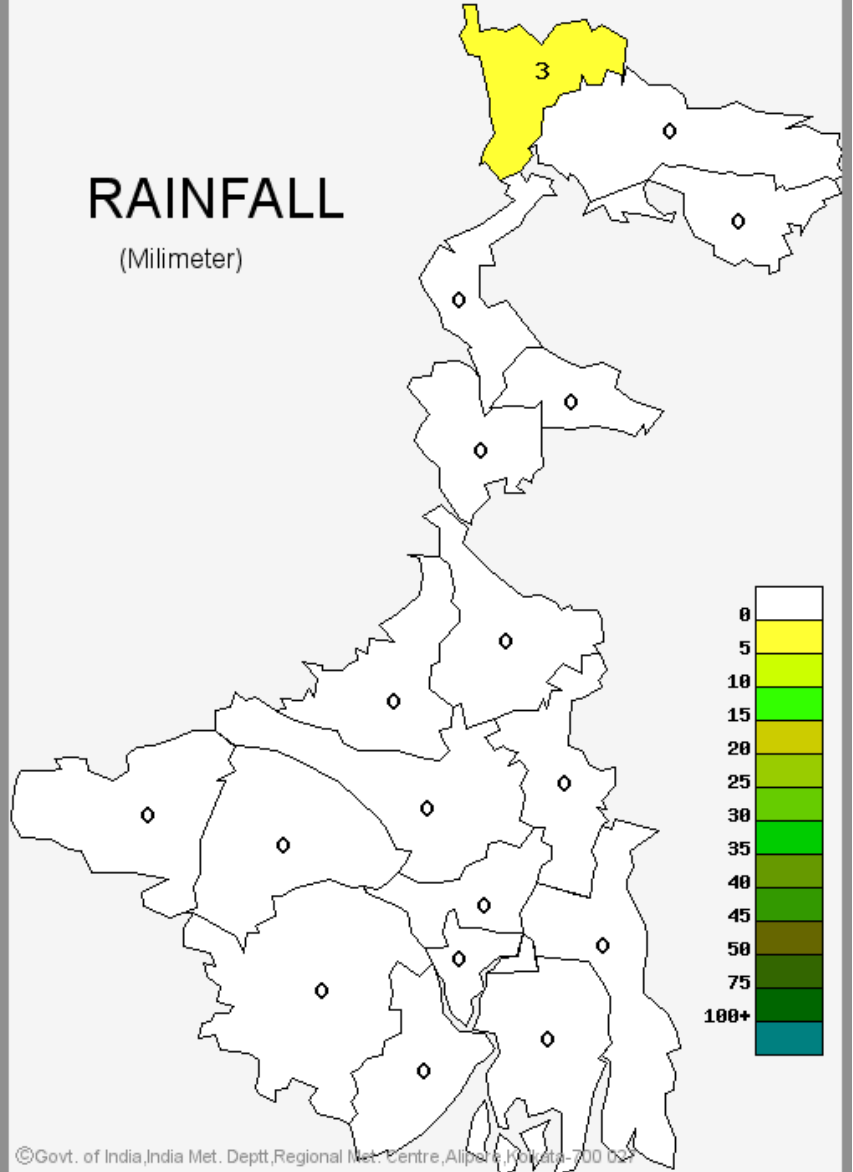


MIN
(°C)



RAINFALL

(Millimeter)



Part I: Weather

Districtwise significant Past Weather in different agroclimatic zones for the period 16/10/18 to 18/10/18

District level Weather Forecast for different agroclimatic zones for the period 20/10/18 to 24/10/18

West Bengal

Northern Hill Zone

DARJEELING

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	17-20	12-14	87-92
Wednesday	0.0			
Thursday	0.0			

DARJEELING

Rainfall	Possibilities of very light rainfall on 21st, 22nd October and rest of the day's light rainfall are expected. In next five days total rainfall of 13.0 mm is expected.
Cloud Cover	Possibilities clear sky is expected for coming five days
Max. Temp.	Maximum temperature is expected to be around 14 to 14°C.
Min. Temp.	Minimum temperature is expected to be around 9 to 9°C.
Max. RH	Maximum relative humidity is expected to be around 80- 87%.
Min. RH	Minimum relative humidity is expected to be around 45-61%.
Wind	Wind mainly will blow from southerly on 21st , 24th Oct and rests of the day's wind mainly blow from south-easterly direction with a speed of 1.9-2.3 km/hr is expected.

Terai-Teesta Alluvial Zone

COOCH BEHAR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	29-31	18-19	84-87
Wednesday	0.0			
Thursday	0.0			

COOCHBEHAR

•

JALPAIGURI

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	29-30	20-21	75-85
Wednesday	0.0			
Thursday	0.0			

JALPAIGURI

•

NORTH DINAJPUR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	28-30	20-21	78-87
Wednesday	0.0			
Thursday	0.0			

NORTH DINAJPUR

•

Gangetic Alluvial Zone

BURDWAN

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	31-32	24-25	77-83
Wednesday	0.0			
Thursday	0.0			

BURDWAN**MURSHIDABAD**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	33-34	24-25	54-87
Wednesday	0.0			
Thursday	0.0			

MURSHIDABAD**NADIA**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	30-32	23-25	65-84
Wednesday	0.0			
Thursday	0.0			

NADIA**HOOGLY**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	32-33	22-23	64-79
Wednesday	0.0			
Thursday	0.0			

HOOGLY**HOWRAH**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	34-35	23-24	70-82
Wednesday	0.0			
Thursday	0.0			

HOWRAH**NORTH 24 PGS**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	34-35	24-25	67-82
Wednesday	0.0			
Thursday	0.0			

NORTH 24 PGS**Vindhyan Alluvial Zone**

DAKSHIN DINAJPUR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	32-33	24-26	52-70
Wednesday	0.0			
Thursday	0.0			

DAKSHIN DINAJPUR

•

MALDA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	32-33	23-24	63-82
Wednesday	0.0			
Thursday	0.0			

MALDA

•

Coastal Saline Zone**PURBA MIDNAPUR**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	32-34	22-24	66-86
Wednesday	0.0			
Thursday	0.0			

PURBA MIDNAPUR

➤

SOUTH 24-PGS

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	33-35	22-24	58-86
Wednesday	0.0			
Thursday	0.0			

SOUTH 24-PGS**Undulating Red and Laterite Zone****PASCHIM MIDNAPORE**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	34-35	22-23	58-88
Wednesday	0.0			
Thursday	0.0			

PASCHIM MIDNAPORE

➤

BANKURA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	34-35	20-22	68-82
Wednesday	0.0			
Thursday	0.0			

BANKURA

➤

PURULIA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	32-32	18-19	47-90
Wednesday	0.0			
Thursday	0.0			

PURULIA**BIRBHUM**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	33-35	19-21	74-84
Wednesday	0.0			
Thursday	0.0			

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

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	28-34	24-26	76-97
Wednesday	0.6			
Thursday	0.4			

NORTH MIDDLE ANDAMAN

. . Cloudy weather with moderate to heavy rainfall is likely to occur during next five days. In North and Middle Andaman 146 mm of rainfall is expected during this period. The maximum temperature in North and Middle Andaman will be 30.0 to 30.7 °C with minimum temperature of 24.3 to 24.5 °C, whereas the maximum and minimum relative humidity is expected to be in the range of 73 to 77 % and 67 to 71 % respectively in North and Middle Andaman. Wind speed of 1.6 to 4.3 km/h is expected from North Easterly direction.

SOUTH ANDAMAN.

- Cloudy weather with moderate rainfall is likely to occur during next five days. In South Andaman 99 mm of rainfall is expected during this period. The maximum temperature in South Andaman will be 30.0 to 30.4 °C with minimum temperature of 23.3 to 24.5 °C, whereas the maximum and minimum relative humidity is expected to be in the range of 74 to 79 %, and 64 to 71 % respectively in South Andaman. Wind speed of 1.3 to 4.4 km/h is expected from North Easterly direction.

NICOBAR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	14.0	32-33	22-24	93-100
Wednesday	4.6			
Thursday	18.0			

NICOBAR

- Cloudy weather with moderate rainfall is likely to occur during next five days. In Nicobar Islands 109 mm of rainfall is expected during this period. The maximum temperature will be 29.6 to 29.8 °C with minimum temperature of 24.2 to 24.5 °C, whereas the maximum and minimum relative humidity is expected to be 79 to 81 %, and 73 to 79 %, respectively in Nicobar Islands. Wind speed of 3.1 to 5.6 km/h is expected from South Westerly 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 21 st , 22 nd October and rest of the day's light rainfall has been forecasted so, irrigate the crops as per the requirement and proper drainage system should be maintained in the field. According to the Standardized Precipitation Index (SPI) map cumulative four weeks for the period from 20 th September to 17 th October, 2018 Darjeeling district experienced mildly dry condition.
Large cardamom	Vegetative and harvesting Stage	-	Harvesting of capsule should be completed. The harvested capsule should be taken care of for discolouration and kept in shade for drying before given into Batti (improve Batti).
Mandarin Orange	Vegetative and bearing tree	-	Painting of trunk with 1% Bordeaux mixture should be done (If not done earlier) after the receding of rain. Application of FYM @ 1 basket (30-40 kg) per tree should be done (If not done earlier) and spraying of micro nutrient 0.5% ZnSO ₄ + 0.4% Boron (Borax).
Cymbidium orchid	Spike initiation stage	-	Weeding is to be done along with removal of yellow leaves. Care should be taken not to disturb the spike.
Soybean	Pod filling Stage	-	Weeding should be done and irrigate the field as per the requirement.
Ginger	Pre-harvesting Stage	-	Careful roguing and destruction of infected plants should be done.
Turmeric	Pre-harvesting Stage	-	Careful roguing and destruction of infected plants should be done.
Rice	Flowering Stage	Blast disease	Alternative wetting and drying should be given without cracking of the soil. Spray tricyclazole 75% WP @ 0.5 gm/lit of water (If not sprayed earlier) as a preventive measure to manage the blast disease.
Round Chilli	Harvesting Stage	-	Harvesting should be continued.
Animal Husbandry (Goat)	-	-	Goat kids lose body energy very rapidly when exposed to cold or wet environment and may become weak or die. Ensure good management practices and feeding during these seasons.

Terai-Teesta Alluvial Zone

Advisory

GENERAL

Agriculture and Horticulture

Main Crops	Stage	Pest & Diseases	Advisory

ANIMAL HUSBANDRY & FISHERY

Name of Animal	Disease	Control measures

Gangetic Alluvial Zone

Crop	Stage	Advisory

Coastal Saline Zone

Crop	Stage	Disease	Advisory

Vindhyan Alluvial Zone

Crop	Stage	Variety	Advisory

Undulating Red and Laterite Zone

Crop	Stage	Problem	Advisory

Andaman & Nicobar Islands

For North and Middle Andaman

Crop/Livestock	Stage	Weather based agro advisories
Paddy	Flowering	<ul style="list-style-type: none"> Clean weeds from the rice field to reduce the gundhy bug attack in ripening rice grains as the weather is conducive.
Vegetable	Fruiting	<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.
Goat	Kid	<ul style="list-style-type: none"> Clean immediately the nose after the birth of the goat kid to prevent suffocation.

For South Andaman

Crop/Livestock	Stage	Weather based agro advisories
Paddy	Flowering	<ul style="list-style-type: none"> • Clean weeds from the rice field to reduce the gundhy bug attack in ripening rice grains as the weather is conducive.
Vegetable	Fruiting	<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.
Goat	Kid	<ul style="list-style-type: none"> • Clean immediately the nose after the birth of the goat kid to prevent suffocation.

For Nicobar

Crop/Livestock	Stage	Weather based agro advisories
Vegetable	Fruiting	<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.
Goat	Kid	<ul style="list-style-type: none"> • Clean immediately the nose after the birth of the goat kid to prevent suffocation.

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