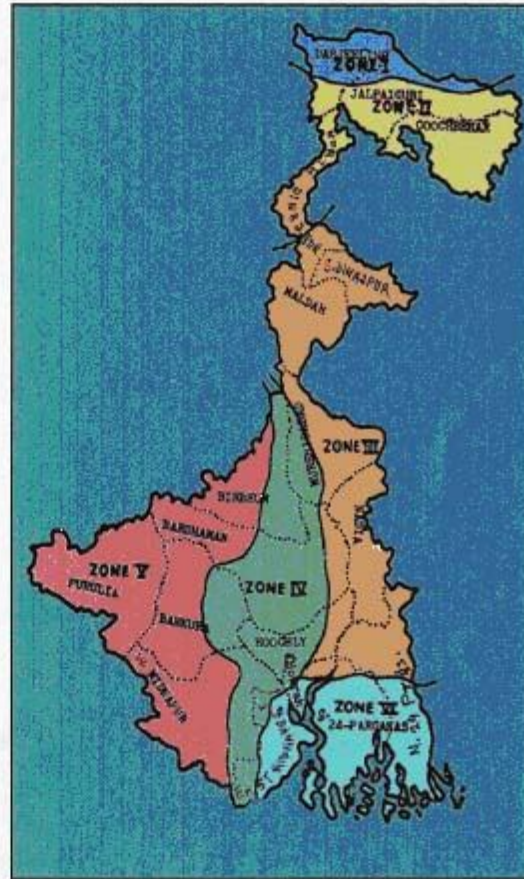


AGROMETEOROLOGICAL ADVISORY BULLETIN FOR THE STATE OF WEST BENGAL AND A&N ISLANDS

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

AGROCLIMATIC REGIONS OF WEST BENGAL

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



Issued on
Friday, 01st March '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):

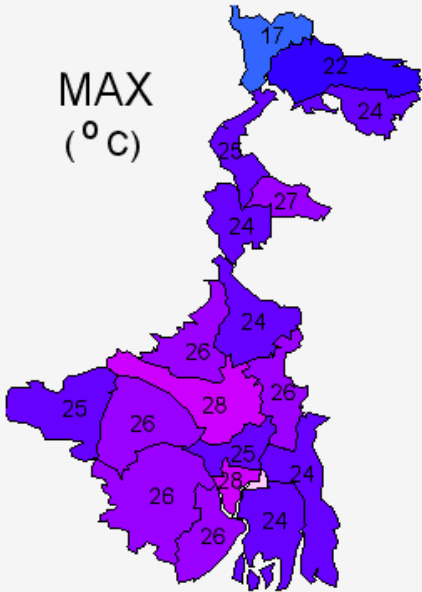
Gangetic West Bengal consists of Dakhin Dinajpur, Malda, Murshidabad , Nadia, South 24 Parganas, North 24 Parganas, Bankura, Purulia, Birbhum, Paschim Midnapore, Jhargram, Purba Midnapore, Kolkata , Burdwan.

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

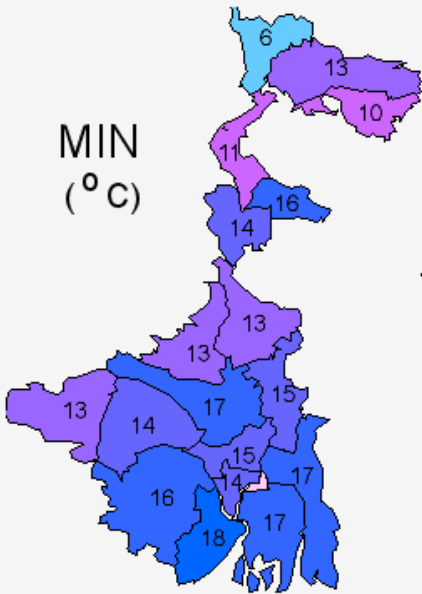
DAY 1 FORECAST

Valid up to : Saturday 02nd March 2019, 0830 hrs IST

MAX
(°C)

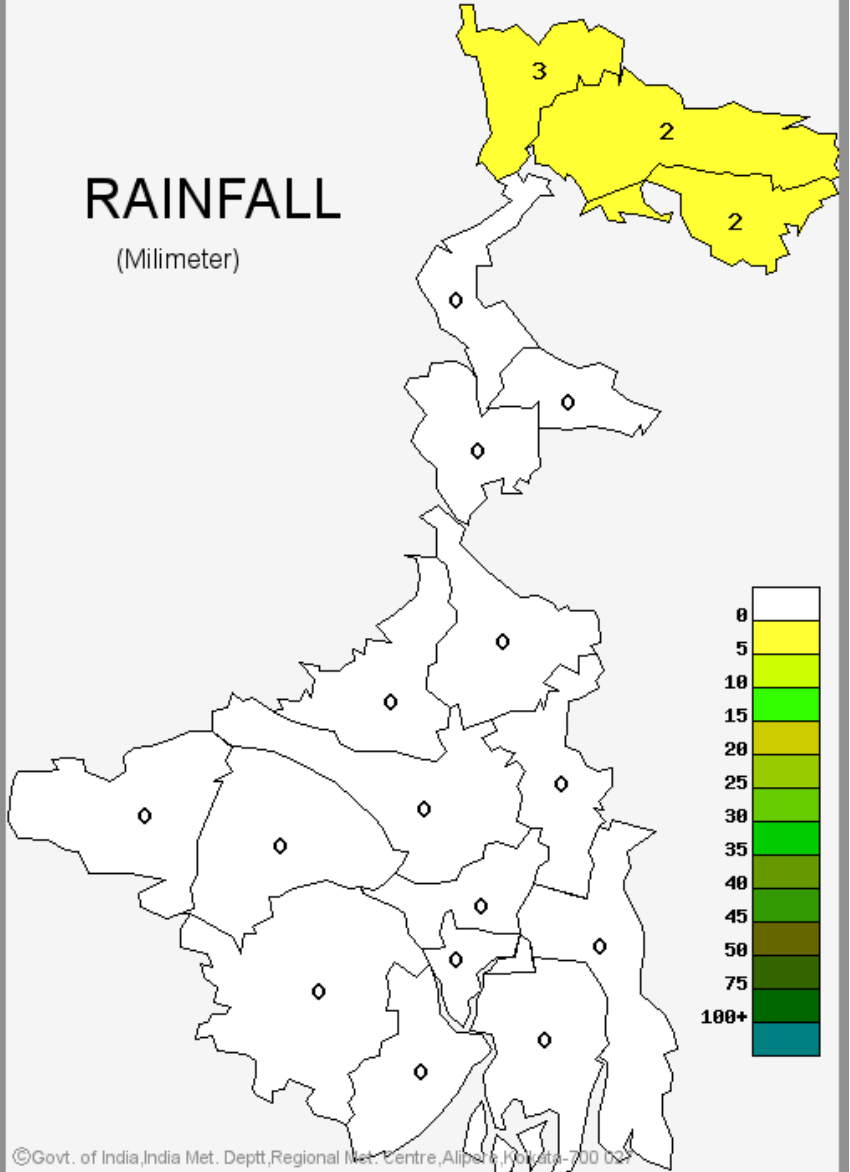


MIN
(°C)



RAINFALL

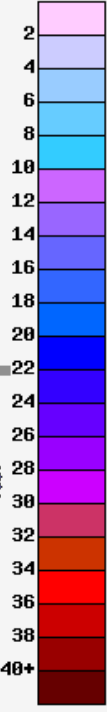
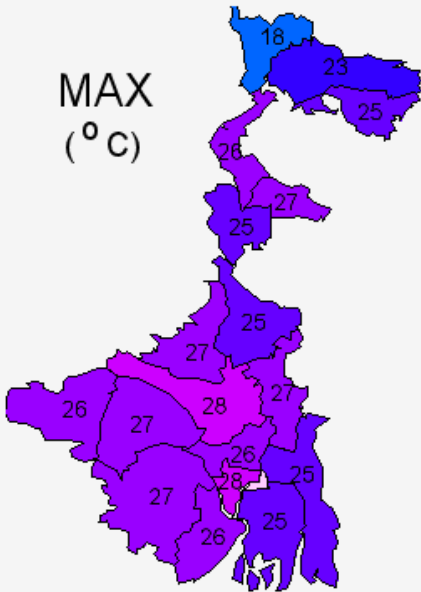
(Milimeter)



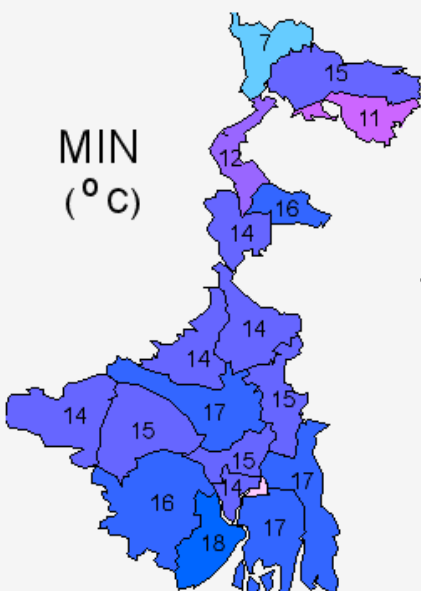
DAY 2 FORECAST

Valid up to :Sunday 03rd March 2019,0830 hrs IST

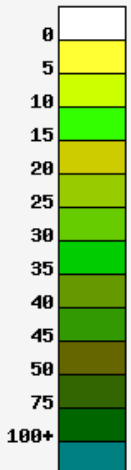
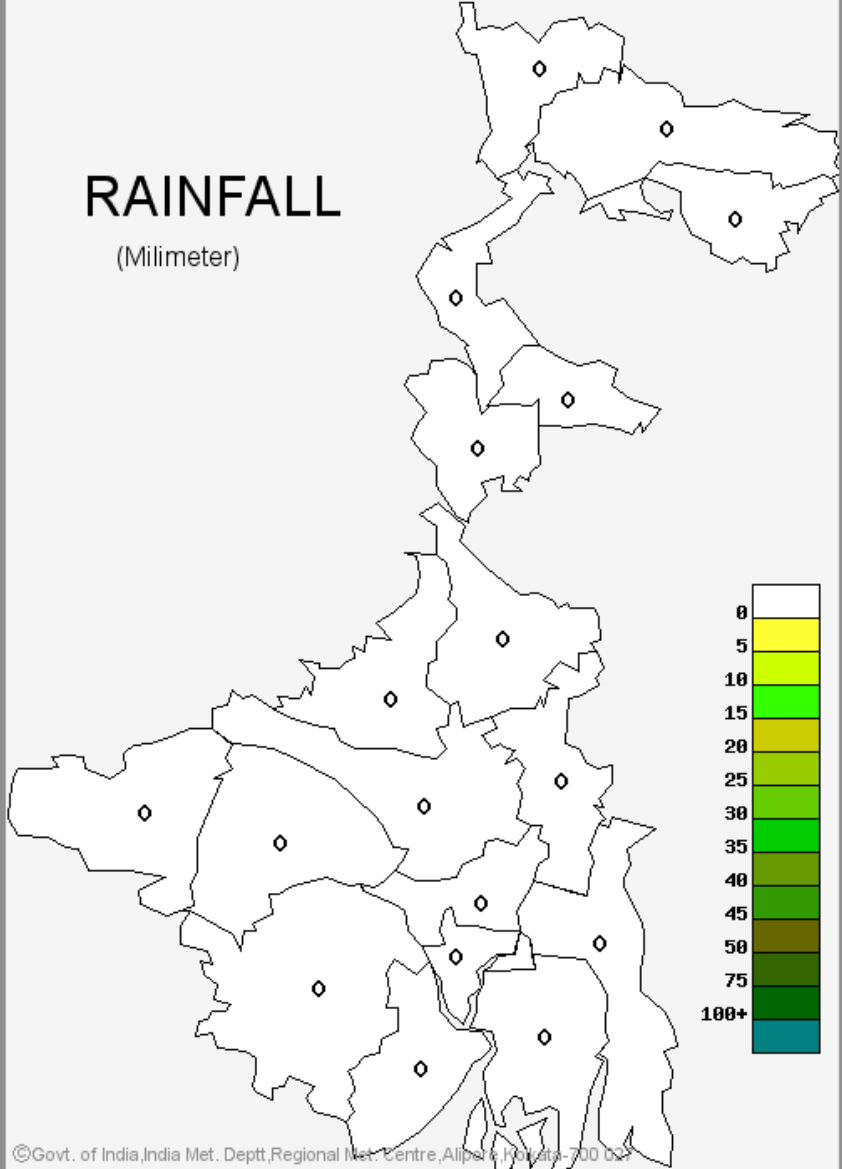
MAX
(°C)



MIN
(°C)



RAINFALL
(Milimeter)

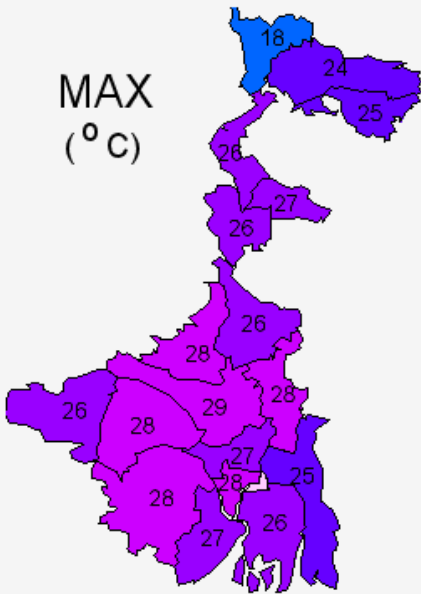


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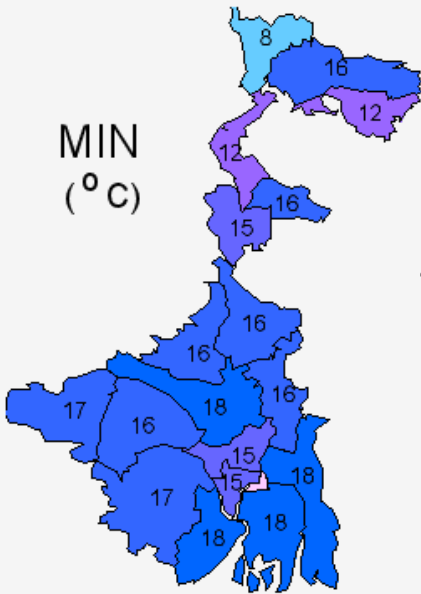
DAY 3 FORECAST

Valid up to :Monday 04th March 2019,0830 hrs IST

MAX
(°C)

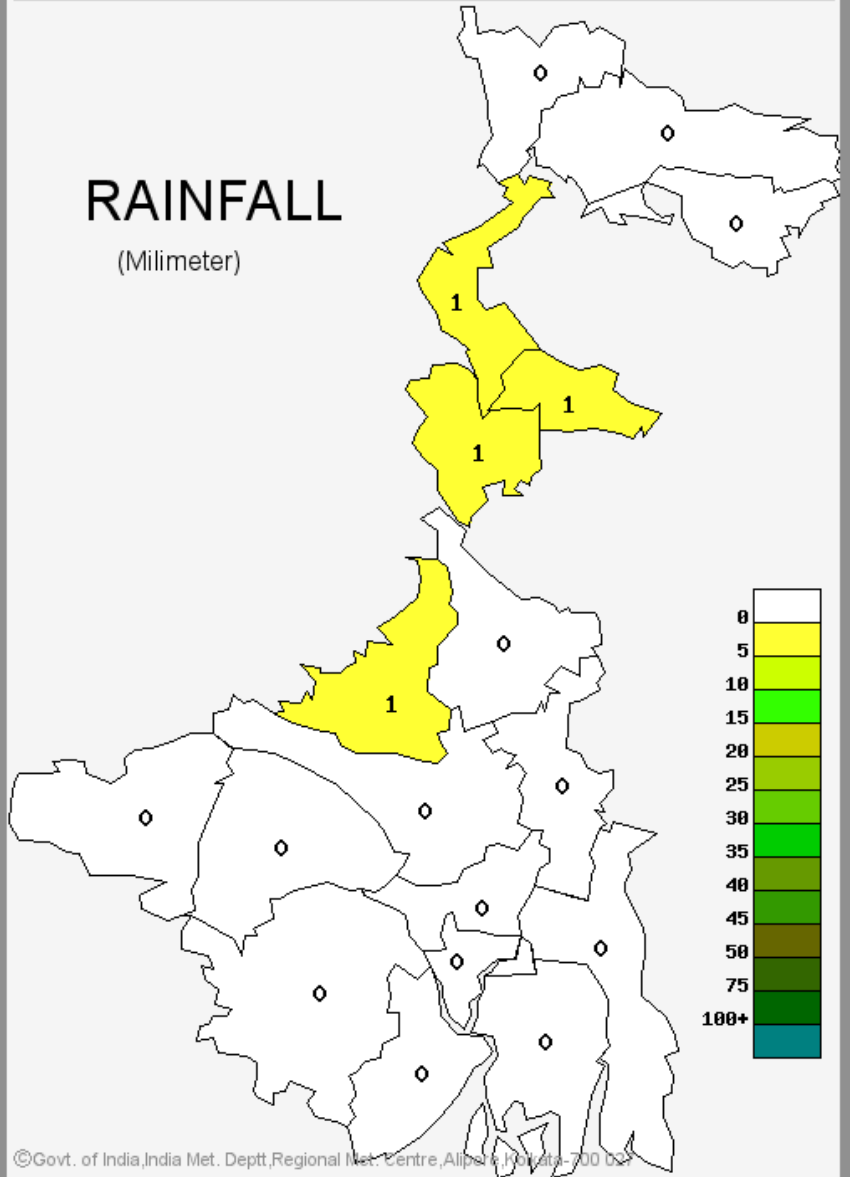


MIN
(°C)



RAINFALL

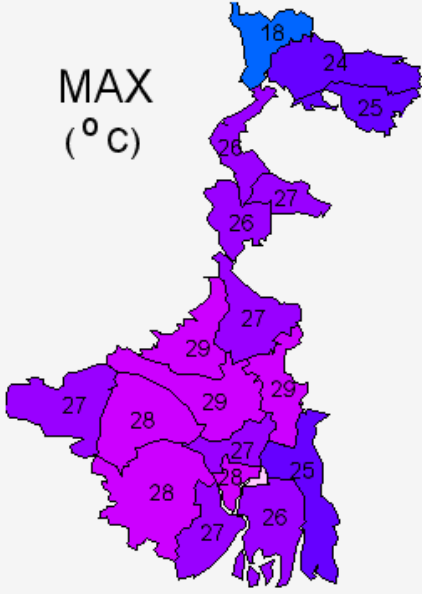
(Milimeter)



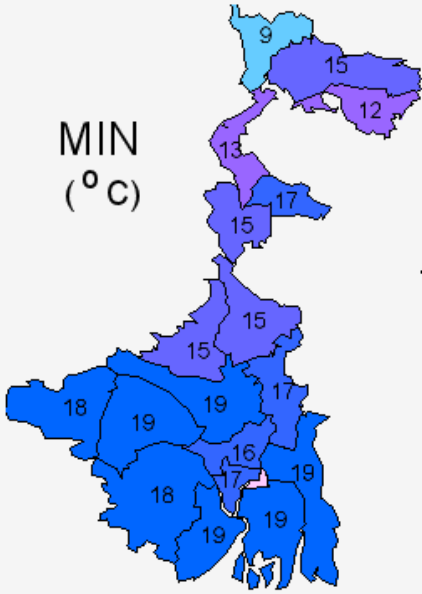
DAY 4 FORECAST

Valid up to : Tuesday 05th March 2019, 0830 hrs IST

MAX
(°C)

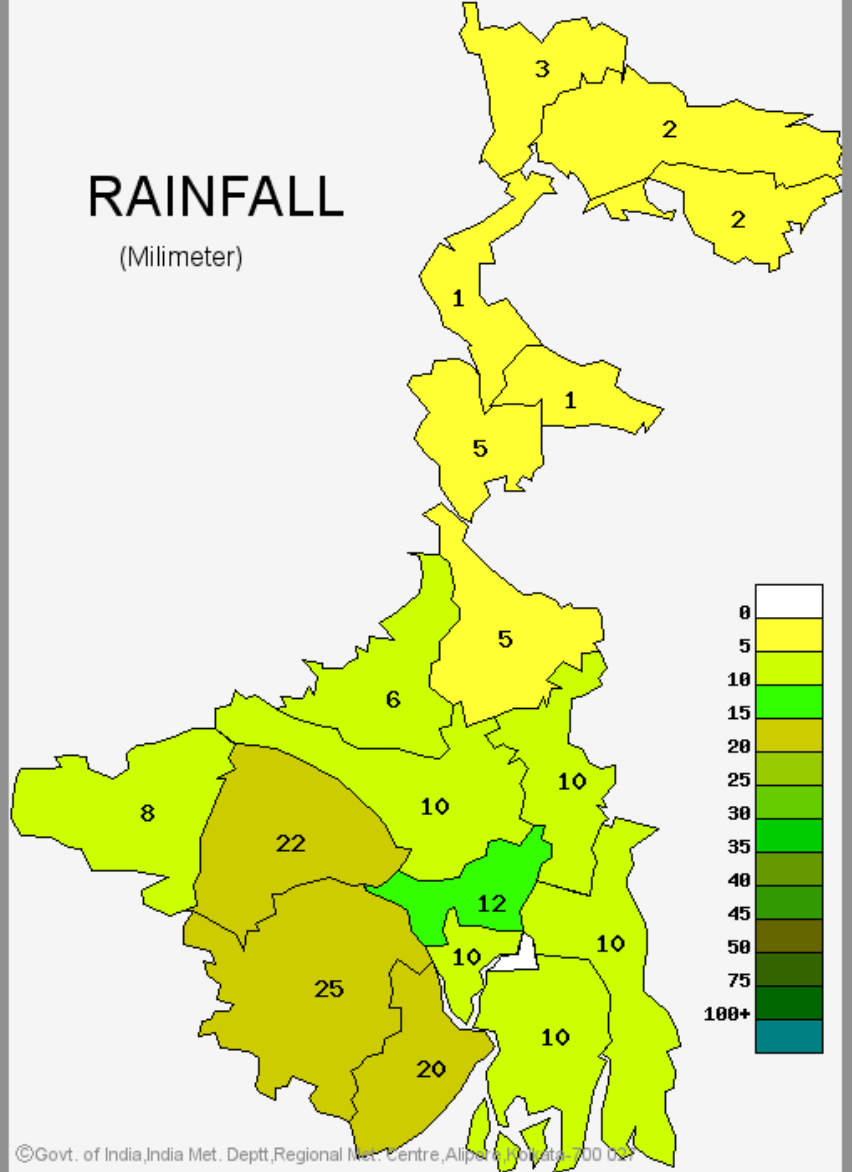


MIN
(°C)



RAINFALL

(Millimeter)

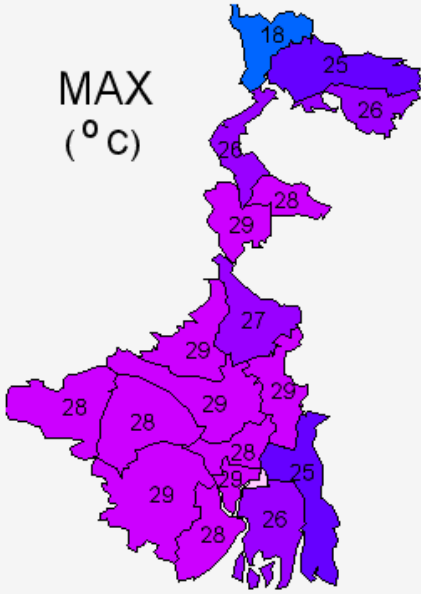


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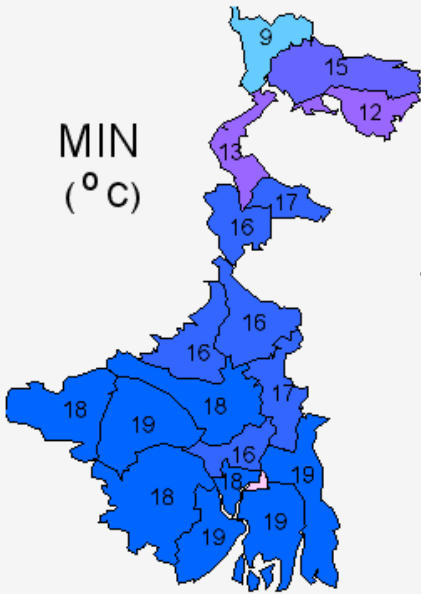
DAY 5 FORECAST

Valid up to :Wednesday 06th March 2019,0830 hrs IST

MAX
(°C)

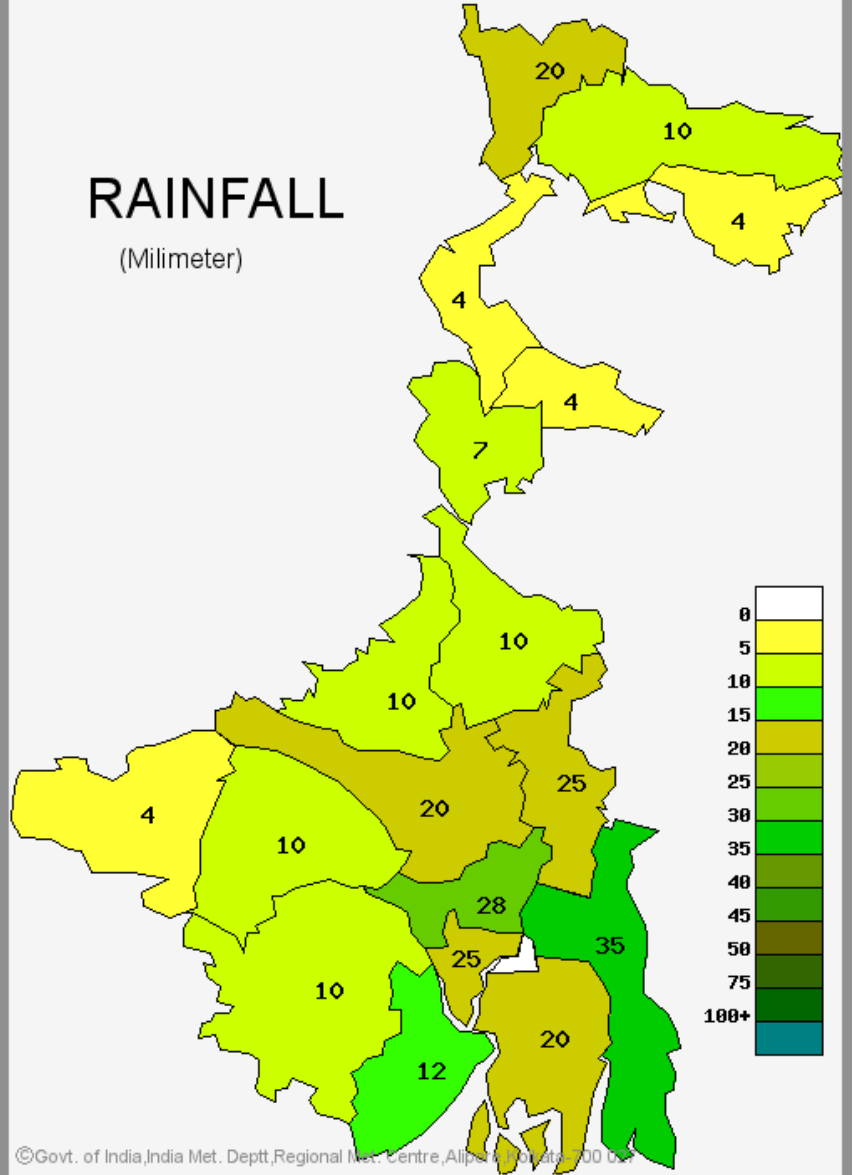


MIN
(°C)



RAINFALL

(Milimeter)



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Part I: Weather

Districtwise significant Past Weather in different agroclimatic zones for the period 26/02/19 to 28/02/19

District level Weather Forecast for different agroclimatic zones for the period 02/03/19 to 06/03/19

West Bengal

Northern Hill Zone

DARJEELING

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	16-18	4-10	84-99
Wednesday	0.0			
Thursday	1.4			

DARJEELING

Rainfall	Possibilities of light rainfall on 2 nd 5 th March and moderate rainfall on 6 th March and rest of the day's no rainfall has been forecasted. In coming five days total rainfall of 26.0 mm is expected.
Cloud Cover	Possibilities of clear sky on 2 nd 5 th March and rest of the day's partly clear sky are expected.
Max. Temp.	Maximum temperature is expected to be around 17.0 to 18.0°C.
Min. Temp.	Minimum temperature is expected to be around 6.0 to 9.0°C.
Max. RH	Maximum relative humidity is expected to be around 51 -63 %.
Min. RH	Minimum relative humidity is expected to be around 28 - 36 %.
Wind	Wind mainly will blow from e south-easterly on 2 nd March and rest of the days wind mainly will blow from easterly direction. In coming five days wind mainly will blow with a speed of 7.4- 10.1 km/hr is expected.

Terai-Teesta Alluvial Zone

COOCH BEHAR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	22-27	14-16	63-99
Wednesday	0.0			
Thursday	1.5			

COOCHBEHAR

- Mainly clear sky will remain from 02 March to 06 March and 04th March Partly clear sky
- Very light rainfall will occur from 02 March , 05 March and light rain 06 March and no rainfall will occur from 03 to 04 March.
- Wind North easterly from 02 March to 05 March, average speed of 7.7-13.2 km/hr. is expected.
- Maximum temperature is expected to be around 24-26°C and minimum temperature is expected to be 10-12°C
- Maximum and minimum relative humidity is expected to be 55-69% and 32-38% respectively

JALPAIGURI

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	21-28	14-17	55-0
Wednesday	0.0			
Thursday	2.2			

JALPAIGURI

- Mainly clear sky will remain from 02 March to 06 March and 04th March Partly clear sky .
- Moderate rainfall will occur from 06 March and very light rain 02 March ,05March and no rainfall will occur from 03 to 04 March.
- Wind easterly from 02 March and 03 March to 06 March wind North easterly average speed of 7.4-10.4 km/hr. is expected.
- Maximum temperature is expected to be around 22-25°C and minimum temperature is expected to be 13-16°C
- Maximum and minimum relative humidity is expected to be 50-61% and 30-37% respectively

NORTH DINAJPUR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	24-26	10-11	80-95
Wednesday	0.0			
Thursday	12.2			

NORTH DINAJPUR

- Mainly clear sky will remain from 03,04 March and 06 March. Clear sky 02 March and partly clear sky 05 March.
- Light rainfall will occur on 04 March, Very light rainfall will occur from 04 March to 05 March and no rainfall will occur from 03 to 04 March.
- Wind Southerly 02 March ,south easterly 03 March,06 March and South westerly 04 March ,easterly 05 march average speed of 7.4-10.9 km/hr. is expected.
- Maximum temperature is expected to be around 25-26°C and minimum temperature is expected to be 11-13°C
- Maximum and minimum relative humidity is expected to be 58-72% and 24-45% respectively.

Gangetic Alluvial Zone

BURDWAN

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	46.4	28-29	17-18	77-85
Wednesday	2.0			
Thursday	12.0			

BURDWAN

Clear sky to partly cloudy sky (5th Feb.) is expected during next 5 days .

No rainfall to medium rainfall (4th & 5th Feb.) is expected during rest 5 days and total will be 37mm.

Wind flow mainly from NE,N, E, S & SE direction with 7.0- 10.0 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 40% - 90% and minimum relative humidity is expected to be around 29% - 56%.

Maximum temperature is expected to be around 24.0°C – 29.0°C and minimum temperature is expected to be around 13.0°C - 18.0°C.

MURSHIDABAD

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	4.0	26-26	12-17	75-92
Wednesday	0.0			
Thursday	8.0			

MURSHIDABAD

Clear sky to partly cloudy sky (5th March) is expected during next 5 days .

No rainfall to medium rainfall (4th & 5th March) expected during rest 5 days and total will be 12.0 mm.

Wind flow mainly from NE,N, E, S & SE direction with 4.0- 13.0 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 42% - 90% and minimum relative humidity is expected to be around 23% - 55%.

Maximum temperature is expected to be around 25.0°C – 27.0°C and minimum temperature is expected to be around 12.0°C - 18.0°C.

NADIA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	20.0	25-27	15-15	69-94
Wednesday	14.0			
Thursday	23.2			

NADIA

Clear sky to partly cloudy sky (5th March.) is expected during next 5 days .

No rainfall to medium rainfall (4th & 5th March) expected during rest 5 days and total will be 32.0 mm.

Wind flow mainly from NE,N, E, S & SE direction with 6.0- 12.0 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 39% - 97% and minimum relative humidity is expected to be around 26% - 53%.

Maximum temperature is expected to be around 24.0°C – 29.0°C and minimum temperature is expected to be around 13.0°C - 18.0°C.

HOOGLY

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	6.0	23-27	18-20	71-97
Wednesday	66.6			
Thursday	2.8			

HOOGLY

Clear sky is expected during next 5 days .

No rainfall to medium rainfall (4th & 5th March) expected during rest 5 days and total will be 32 mm.

Wind flow mainly from NE,N, E, S & SE direction with 7.0- 12.0 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 41% - 90% and minimum relative humidity is expected to be around 33% - 56%.

Maximum temperature is expected to be around 24.0°C – 31.0°C and minimum temperature is expected to be around 13.0°C - 19.0°C.

HOWRAH

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	3.0	21-21	10-13	73-81
Wednesday	26.2			
Thursday	66.8			

HOWRAH

Clear sky is expected during next 5 days .

No rainfall to medium rainfall (4th & 5th March) expected during rest 5 days and total will be 28mm.

Wind flow mainly from NE,N, E, S & SE direction with 9.0- 12.0 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 42% - 89% and minimum relative humidity is expected to be around 34% - 55%.

Maximum temperature is expected to be around 24.0°C – 31.0°C and minimum temperature is expected to be around 13.0°C - 19.0°C.

NORTH 24 PGS

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	3.1	25-25	17-20	84-96
Wednesday	41.2			
Thursday	89.8			

NORTH 24 PGS

Clear sky to partly cloudy sky is expected during next 5 days .

No rainfall to medium rainfall (4th & 5th March) expected during rest 5 days and total will be 34mm.

Wind flow mainly from NE,N, E, S & SE direction with 6.0- 14.0 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 41% - 90% and minimum relative humidity is expected to be around 14% - 20%.

Maximum temperature is expected to be around 25.0°C – 30.0°C and minimum temperature is expected to be around 14.0°C - 20.0°C.

Vindhyan Alluvial Zone**DAKSHIN DINAJPUR**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	27-28	17-18	33-87
Wednesday	0.0			
Thursday	0.0			

DAKSHIN DINAJPUR

- Possibility of clear sky on 2nd & 3rd march, mainly clear sky on 4th & 6th march and partly cloudy on 5th March.
- There seems to be possibility of no rain on 2nd & 3rd March and light rain on 4th to 6th March.
- North-westerly, Southerly, Westerly and South-easterly and direction with an average speed of 7.4-10.9 Km/hr. is expected.
- Maximum temperature is expected to be around 27.0-28.0⁰C and minimum temperature is expected to be 16.0-17.0⁰C.
- Maximum and minimum relative humidity is expected to be 53-92% and 23-46% respectively

MALDA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	1.1	22-29	18-20	53-92
Wednesday	0.0			
Thursday	33.7			

MALDA

- Possibility of clear sky on 2nd & 3rd march, mainly clear sky on 4th & 6th march and partly cloudy on 5th March.
- There seems to be possibility of no rain on 2nd & 3rd March and light rain on 4th to 6th March.
- North-westerly, Westerly, South-easterly and South-westerly direction with an average speed of 7.9-11.3 Km/hr. is expected.
- Maximum temperature is expected to be around 24.0-29.0⁰C and minimum temperature is expected to be 14.0-16.0⁰C.
- Maximum and minimum relative humidity is expected to be 50-82% and 21-48% respectively

Coastal Saline Zone

PURBA MIDNAPUR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	13.5	23-28	18-21	71-97
Wednesday	113.8			
Thursday	78.8			

PURBA MIDNAPUR

- Heavy rainfall is predicted on 5th and 6th March and no rainfall is predicted in the remaining days.
- Sky will be clear in the next five days.
- Wind speed will be 7.6-16.3m/sec. and the predominant wind direction will be Easterly to Westerly.
- Maximum temperature is expected to be around 27.0^oC -32.0^oC and minimum temperature is likely to be around 16.0^oC-21.0^oC.
- Maximum and minimum relative humidity will be in the range of 55% -89% and 24% -49%.

SOUTH 24-PGS

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	4.0	24-29	17-20	73-97
Wednesday	55.2			
Thursday	68.2			

SOUTH 24-PGS

- Heavy rainfall is predicted on 5th and 6th March and no rainfall is predicted in the remaining days.
- Sky will be clear in the next five days.
- Wind speed will be 9.4-17.8m/sec. and the predominant wind direction will be Southerly to North-Westerly.
- Maximum temperature is expected to be around 27.0^oC -30.0^oC and minimum temperature is likely to be around 17.0^oC-23.0^oC.
- Maximum and minimum relative humidity will be in the range of 45% -89% and 34% -64%.

Undulating Red and Laterite Zone

PASCHIM MIDNAPORE

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	5.0	25-29	18-21	68-99
Wednesday	33.8			
Thursday	53.8			

PASCHIM MIDNAPORE

➤

BANKURA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	11.4	26-29	19-19	48-94
Wednesday	0.0			
Thursday	0.8			

BANKURA

➤

PURULIA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.1	24-27	16-17	47-93
Wednesday	0.0			
Thursday	4.0			

PURULIA

➤

BIRBHUM

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	2.4	25-30	18-19	67-95
Wednesday	0.0			
Thursday	29.9			

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

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	29-33	24-26	59-95
Wednesday	0.0			
Thursday	0.0			

NORTH MIDDLE ANDAMAN

Bright sunshine hour is likely to occur during next five days. In North and Middle Andaman no rainfall is expected during this period. The maximum temperature in North and Middle Andaman will be 31.0 to 33.0 oC with minimum temperature of 24.0 to 25 oC, whereas the maximum and minimum relative humidity is expected to be in the range of 66 to 79 % and 55 to 66 % respectively in North and Middle Andaman. Wind speed of 6.4 to 18.2 km/h is expected from North Westerly direction.

SOUTH ANDAMAN.

- Bright sunshine hour is likely to occur during next five days. In South Andaman no rainfall is expected during this period. The maximum temperature in South Andaman will be 31.0 to 33 o C with minimum temperature of 24 o C, whereas the maximum and minimum relative humidity is expected to be in the range of 69 to 78 %, and 59 to 68 % respectively in South Andaman. Wind speed of 5.4 to 18.0 km/h is expected from South Westerly direction.

NICOBAR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	29-30	25-27	65-80
Wednesday	0.0			
Thursday	0.0			

NICOBAR

- Partly cloudy weather with very light rainfall is likely to occur during next five days. In Nicobar Islands 3.0 mm of rainfall is expected during this period. The maximum temperature will be 32.0 to 35 °C with minimum temperature of 27 to 28 °C, whereas the maximum and minimum relative humidity is expected to be 71 to 83 %, and 66 to 79 %, respectively in Nicobar Islands. Wind speed of 7.8 to 20.5 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 of light rainfall on 2 nd 5 th March and moderate rainfall on 6 th March and rest of the day's no rainfall has been forecasted. so, proper drainage channel should be maintained.
Large cardamom	Vegetative Stage	-	Mulching should be done to conserve soil moisture and control weeds.
Mandarin Orange	Vegetative stage	-	Application of manuring @ 30-40 kg FYM/ Plant and fertilizer (N:P:K @ 300:250:300 gm/tree) should be completed and mulching with locally available resources should be done.
Cole Crop (Cauliflower, Cabbage, etc)	Harvesting stage	-	Mature crop should be harvested.
Potato	Tuberization Stage	-	Weeding should be done and irrigation is not recommended as 26.0 mm rainfall has been forecasted for coming five days.
Garden Pea	Flowering and Pod maturity stage	-	Weeding should be done and mature pods should be harvested.
Mustard	Flowering and Siliqua formation stage	-	Irrigation is not recommended as 26.0 mm rainfall has been forecasted for coming five days.
Animal Husbandry (Pig)	-	-	Piglets are highly susceptible to pneumonia in winter months. The symptoms are high fever (104-105°F), anorexia, difficulty in breathing etc. For treatment give antibiotics, paracetamol and vitamin after consultation with veterinary doctors.

Terai-Teesta Alluvial Zone

Advisory

General Very light rainfall will occur from 02 March , 05 March and light rain 06 March and no rainfall will occur from 03 to 04 March

Agriculture and Horticulture

Main Crops	Stage	Pest & Diseases	Advisory
Boro Rice	Transplanting		Spraying the seedlings with hexaconazole @ 1ml/lit of water before transplanting, in case of brown collared spots on leaves.
Wheat		Foliar blight	Plants with yellowish patches on leaves to be sprayed with Tebuconazole @1ml/lit of water
Crucifers	Mustard(Pod development)	Leaf Spot	In case of spots on leaves with concentric rings to be sprayed with carbendazim@ 1g/lit of water.
Potato		Late blight/Root/ Collor rot	Spray Mancozeb@2.5g/lit. of water alternating with cu-hydroxide 2g/lit. of water at 10 days interval Plants with late blight symptom to be sprayed with (Cymoxinil + Mencozeb) @ 1.5g/lit. of water. Plants with yellowing of lower leaves and rotting at base to be sprayed with propiconazole @1ml/lit of water.
Maize	Seedling to maturity	Tall army worm	Spray Azadirachtin/Neem oil 10000 ppm @ 4 ml/lit or Emamectin benzoate @ 0.4 g/lit targeted to leaf whorls with constant monitoring.
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.
Cucurbits	Fruiting	Fruit Fly Fruit & Vine rot White fly, Mosaic	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 mosaic uproot the infected plant and spray systemic insecticide.
Brinjal	Vegetative Fruiting,	fruit and shoot borer Nematode White fly, Jassid,	For the management of fruit and shoot borer one application of coragen @ 4 ml/tank. Cleanliness to be maintained. Apply 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/lit. of water.

ANIMAL HUSBANDRY & FISHERY

Name of Animal	Disease	Control measures
Cattle and Buffalo	Non specific Diarrhoea, FMD	The cattle populations are supposed to suffer from non-specific diarrhea during this, mid rainy season due to water borne infections. Any gut acting antibacterial 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 chiks 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
<p>According to NDVI data sent by IMD agricultural vigour of New Alluvial Zone of West Bengal will be Moderate in the coming week</p>		
Mustard	Flowering/Pod formation stage	Be careful for aphid infestation. Immediately spray Imidachloprid (Confidor) @ 3ml/10 litre of water. Intercultural operations like weeding and rouging should be done. If required, light irrigation may be given as there is no rainfall forecast.
Boro	Seedling	Start management of main field regarding all aspects like weed control, fertilizer management. Be careful regarding disease, pest management. To control pest apply Cartap 4G, Carbofuran 3G, Phorate 10 G etc.
Gram and Pea	Flowering/Pod formation 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)/litre of water.
Lentil	Vegetative/Flowering stage	As temperature is lowering spray Carbendazim 50% @ 1g/litre of water as protective measure. Intercultural operations mainly weeding should be done.
Cabbage, Cauliflower, Broccoli, Tomato, Chilli, French Bean, Pointed Gourd, Cucumber, Brinjal	Fruit Setting/ Vegetative	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. For the management of fruit and shoot borer one application of Coragen @ 4 ml/tank. Cleanliness to be maintained. Apply Thiomethoxam 0.3 SG @1g/3lit. of water to manage sucking pests infestation. For nematode problem apply Carbofuran 3G @4.5kg /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. Plants with small sized leaves and bunchy appearance plants to be uprooted and sprayed with Imidachloprid @0.5ml/lit of Water. For control of bacterial wilt in solanaceous vegetable stop irrigation immediately, uproot the plant carefully and apply bleaching powder or fresh cow dung mixture around the infected plant to control the spreading of disease in the field. For management of fruit borer in the tomato apply Indoxacarb 1ml/lit. of water insecticide mixture at 7 days interval thrice.
Potato	Vegetative / Tuber Initiation	Present weather is not congenial for disease and pest infestation. Those who have sown crop in late winter, be aware of aphid and blight infestation. For pest control apply Imidachlorprid @ 3ml/ 10 litres of water. If required then repeat the application of Imidachlorprid after 10 days. To control blight apply Mancozeb 2.5 g / lt. of water. If infestation is more, apply cymoxanil-mancozeb (Curzate) (2.5 g/lt) or Dimethomorph (1 g) + Mancozeb (2g)/lt. (Moxymate) of water at 10 days interval.
Rabi Onion & Garlic	Vegetative	Intercultural operations like light spading and weeding should be done. Propiconazole (Tilt) @ 1ml/litre with a sticker 4-5 times (at 7 days interval) starting from 15 days after transplanting to check purple blotch disease

Flowers like Marigold, Chrysanthemum & Gladiolus	Flowering	Intercultural operations like light spading and weeding should be done.
Mango Orchard	General	<p>i) Spray either Imidachloprid (Confidor) @ 3ml/10 litres of water or Acetamiprid (Asataf) @ 1 ml/litre of water for controlling mango hopper</p> <p>ii) When inflorescence attain 4 inches (emergence of axis) or just before flowering apply Tridemethon (Beledan) @ 1 g/litre of water with sticker (Tiptop/diamond)</p> <p>iii) Immediately after fruit setting apply Bavistin @ 1 g/litre – 3 sprays at 15 days interval</p> <p>iv) Irrigation should be done in all orchards.</p> <p>v) Apply FYM @ 10-12 kg and Sufala / DAP @ 1 kg per plant.</p>
Poultry	General	<p>Care for day old chicks with proper brooding, ventilation and management may reduce morbidity and mortality rate</p> <p>Anti-stress medication is recommended to save the poultry birds against cold weather.</p>
Fishery	General	<p>i) Against Ulcer disease take preventive measure with application of 10-14 kg Lime per bigha fish pond.</p> <p>ii) For control of Ulcer disease, apply 13 kg Lime per bigha fish pond. Then after 7 days, apply 1.3 kg bleaching powder per bigha fish pond.</p> <p>iii) In order to avoid bird menace, give net covering over the fish pond.</p> <p>iv) In cold and cloudy weather, avoid application of fertilizer and compost, as oxygen deficiency increases and depth of water decreases in farm pond.</p>

Coastal Saline Zone

Crop	Stage	Disease	Advisory
Boro paddy	Vegetative		No irrigation or fertilizer application should be done for next five days Keep arrangement for drain out of excess water
Okra			<p>--Select some variety like arkaanamika, arkaprava, pusashaoni, parvani, kranti etc for desi variety and for hybrid variety mahiko hybrid 10,64, kamini, shakti, abantika etc. etc. for sowing</p> <p>--Before sowing apply compost and for preventing the crop from worm and other pest apply Furadon 3G@2.9kg/bigha</p> <p>--Sow the seed in case of desi variety @10-15kg/bigha and for hybrid variety@3.7-5kg/bigha</p> <p>--The spacing should be maintain for desi variety 35cm X 30cm and for hybrid variety 60cm X 30-45cm</p> <p>--Before sowing treat the seed by 0.2% bavistin @2g/liter of water</p> <p>--All the above mentioned process will be done after 5-15 days at least</p>
Potato			--Drain out water from field and immediate complete harvesting potato otherwise all the potatoes will be rotten
Mung			<p>--Prepare land for mung</p> <p>--Select some variety like TM-99, PDM-11, TARM-1,2, Samrat</p> <p>--Sow the seed @2.5-3kg/bigha</p> <p>--Apply basal fertilizer dose of urea @4kg/bigha and SSP @35-40kg/bigha</p> <p>--If potato field is selected for mung cultivation after harvesting the no fertilizer should be given</p> <p>--All the above mentioned process will be done after 5-15 days at least</p>
Poultry			<p>--Keep the liter dry and infection free by applying dry straw and lime</p> <p>--Arrange more lights in the cage of new born chick</p>
Sunflower	vegetative		--Drain out excess water

Vindhyan Alluvial Zone

Crop	Stage	Variety	Advisory
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General	--	--	There seems to be possibility of no rain on 2 nd & 3 rd March and light rain on 4 th to 6 th March advice to harvest potato from field.
Boro Rice	Tillering		Apply 1 st top dressing with Urea @ 5kg/bigha.
Crucifera	Growth		To control the diamond diamond back moth on cruceferas vegetables spray dinotefaran 20 SG @ 1g/liter of water.
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 Dinoteforan 20% S G @ 0.5gram/liter of water.
Mustard	Growth	Alternaria Blight	To control alternaria blight of mustard spray mancozeb (2.5g/liter of water) or Iprodione @ 1g/liter of water.
Vegetables	Growth	Sucking pest	Management of sucking pest on vegetables crops spray dadedci @ 1.5g/liter of water with sticker @ 0.5ml/liter.
Cattle	--	--	All new born animals should be dewormed and lambs/kids should be vaccinated against PPR.
Fishery	Pond preparation	--	Pond preparation should be done through cultivation of Dhaincha @ 1-1.5kh/bigha for 30-45 days for seasonal & new pond.

Undulating Red and Laterite Zone

Crop	Stage	Problem	Advisory

Andaman & Nicobar Islands

For North and Middle Andaman

Crop/Livestock	Stage	Weather based agro advisories
Pulses	Vegetative	<ul style="list-style-type: none"> For pulses, apply potash (KCL) @ 5 g/lit as foliar spray• during vegetative stage if there is moisture stress.
Vegetable	Fruiting	<ul style="list-style-type: none"> As the weather is conducive for soot and fruit borer in brinjal it is recommended to clip the infected top portion of the branches and collect the infected fallen fruits and destroy it by burning.
Poultry	Chicks	<ul style="list-style-type: none"> Provide cool, clean water and shade to chicks to protect from heat.

For South Andaman

Crop/Livestock	Stage	Weather based agro advisories
Pulses	Vegetative	<ul style="list-style-type: none"> For pulses, apply potash (KCL) @ 5 g/lit as foliar spray• during vegetative stage if there is moisture stress.
Vegetable	Fruiting	<ul style="list-style-type: none"> As the weather is conducive for soot and fruit borer in brinjal it is recommended to clip the infected top portion of the branches and collect the infected fallen fruits and destroy it by burning.
Poultry	Chicks	<ul style="list-style-type: none"> Provide cool, clean water and shade to chicks to protect from heat.

For Nicobar

Crop/Livestock	Stage	Weather based agro advisories
Vegetable	All	<ul style="list-style-type: none">• Mulching with dry grass in the inter space of vegetables to avoid moisture stress.
Poultry	Chicks	<ul style="list-style-type: none">• Provide cool, clean water and shade to chicks to protect from heat.

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