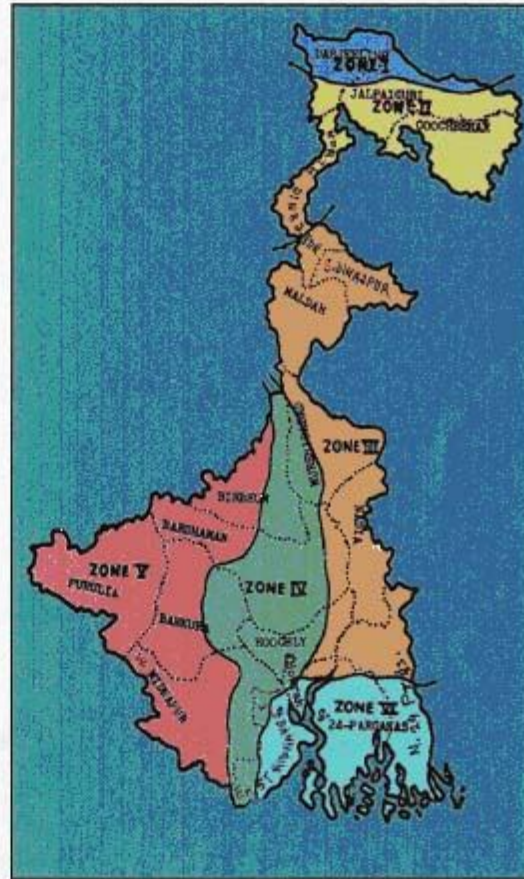


AGROMETEOROLOGICAL ADVISORY BULLETIN FOR THE STATE OF WEST BENGAL AND A&N ISLANDS

For the period from 06th March '2019 to 10th March '2019

AGROCLIMATIC REGIONS OF WEST BENGAL

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



Issued on
Tuesday, 05th 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):

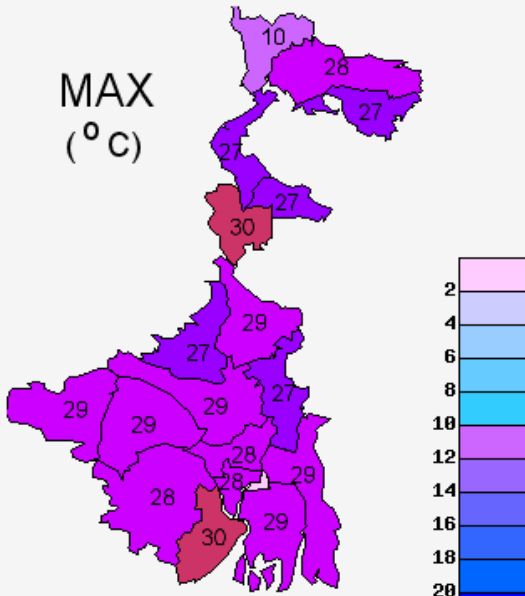
Gangetic West Bengal consists of Dakhin Dinajpur, Malda, Murshidabad, Nadia, South 24 Parganas, North 24 Parganas, Bankura, Purulia, Birbhum, Paschim Midnapore, Jhargram, Purba Midnapore, Kolkata, Burdwan.

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

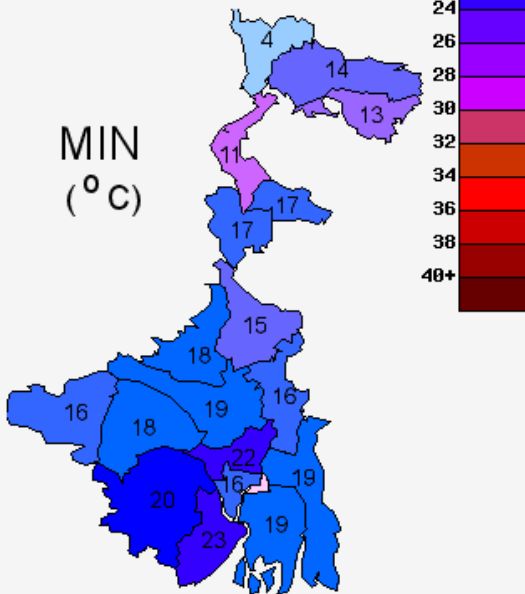
DAY 1 FORECAST

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

MAX
(°C)

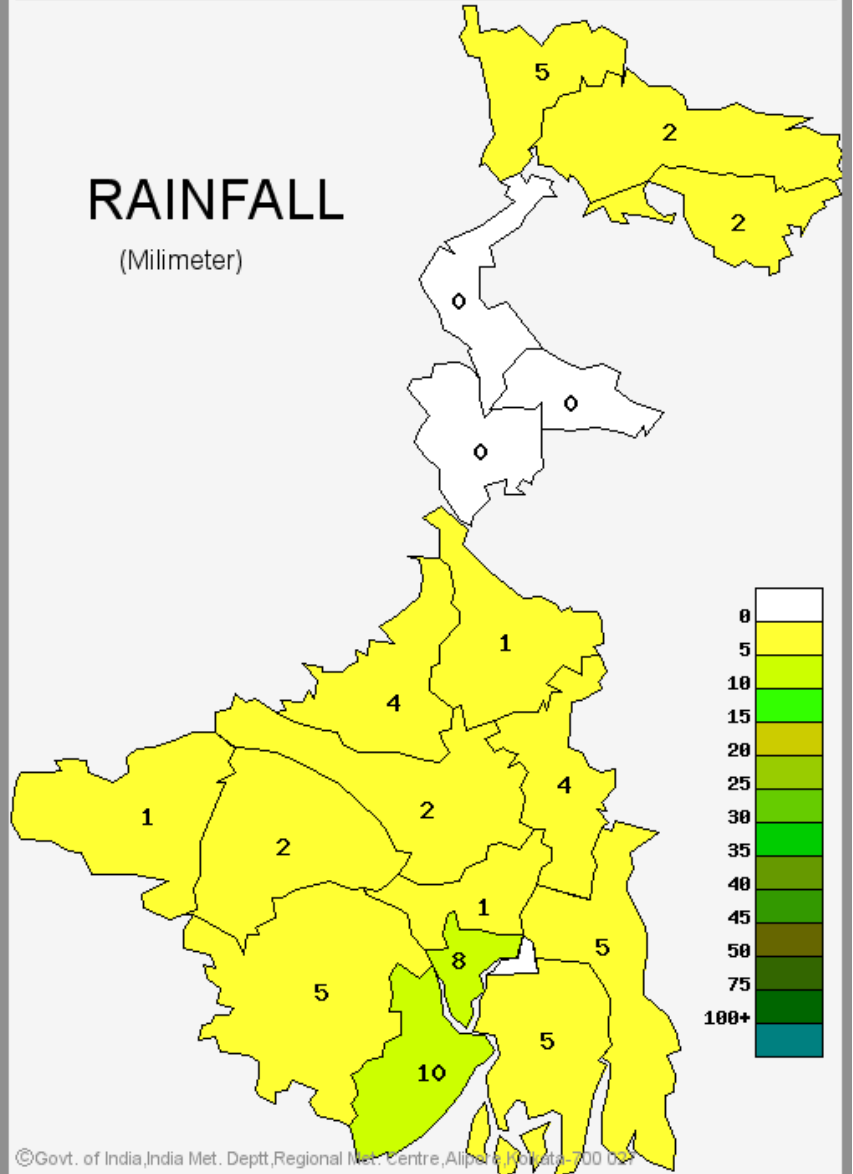


MIN
(°C)



RAINFALL

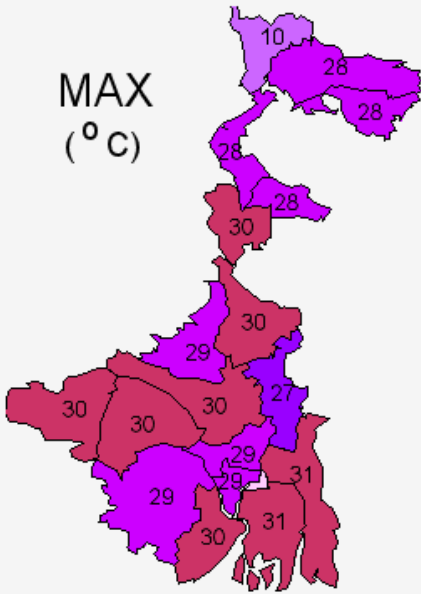
(Milimeter)



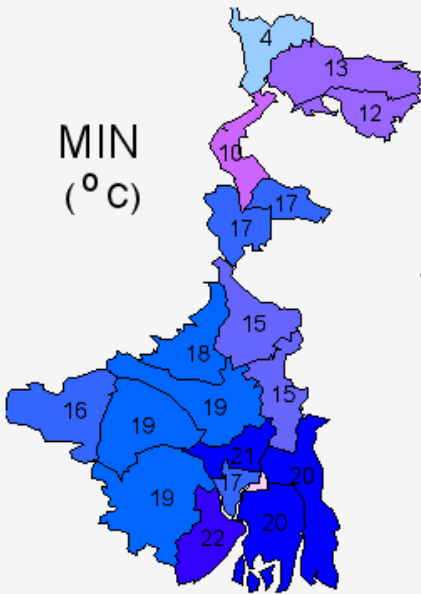
DAY 2 FORECAST

Valid up to :Thursday 07th March 2019,0830 hrs IST

MAX
(°C)

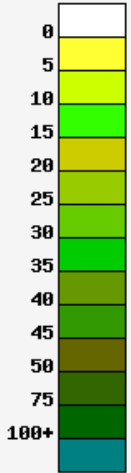
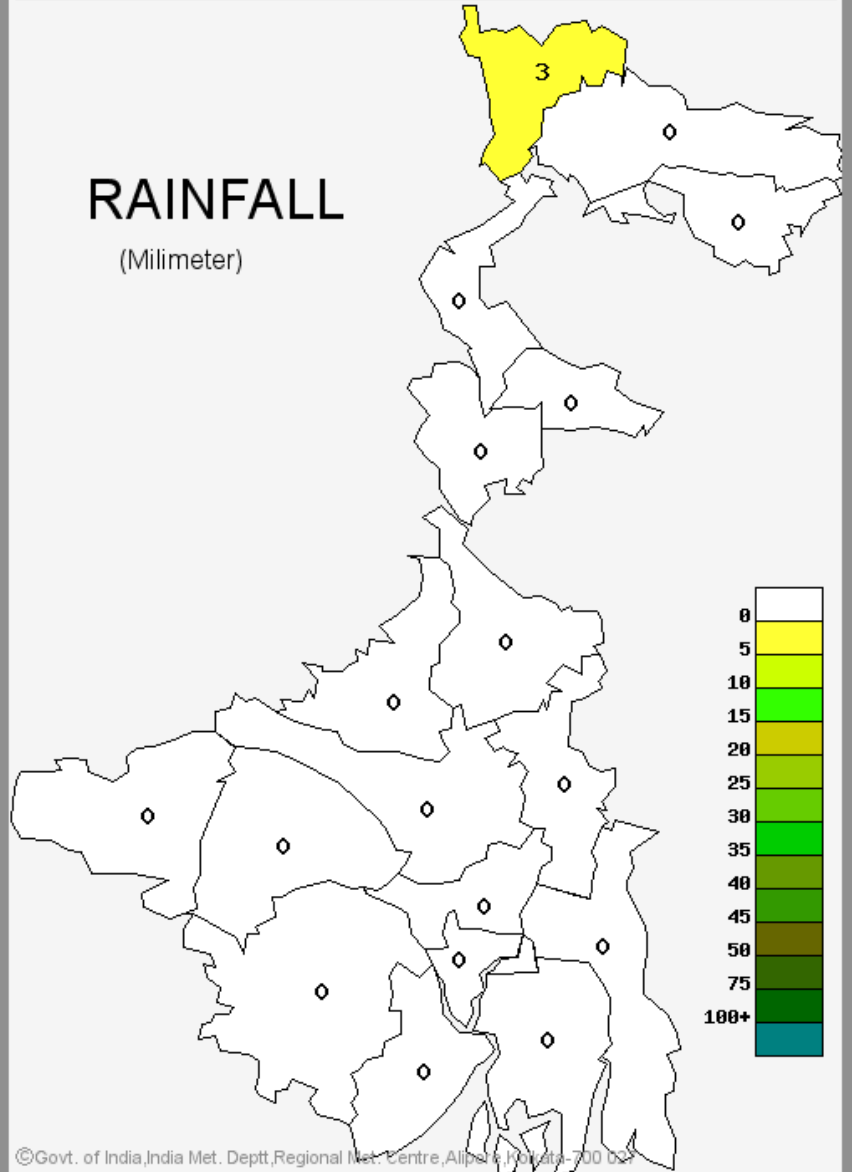


MIN
(°C)



RAINFALL

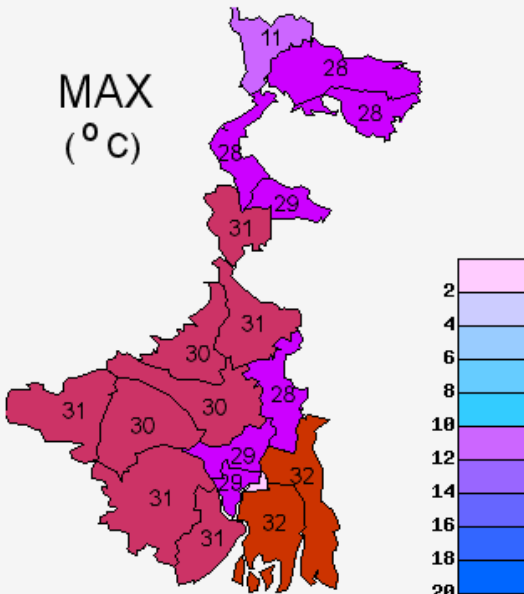
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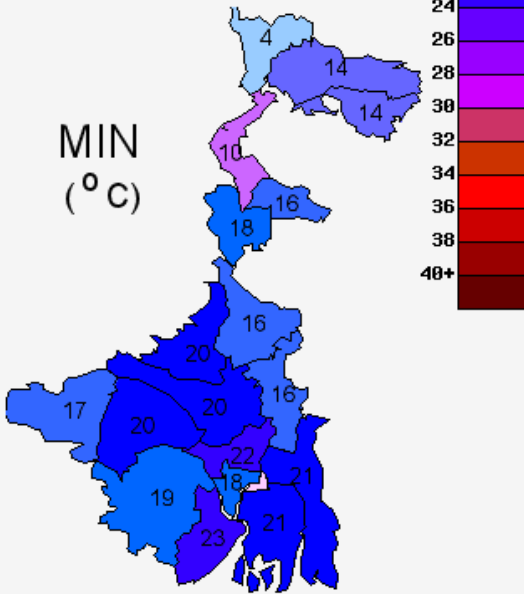
DAY 3 FORECAST

Valid up to :Friday 08th March 2019,0830 hrs IST

MAX
(°C)

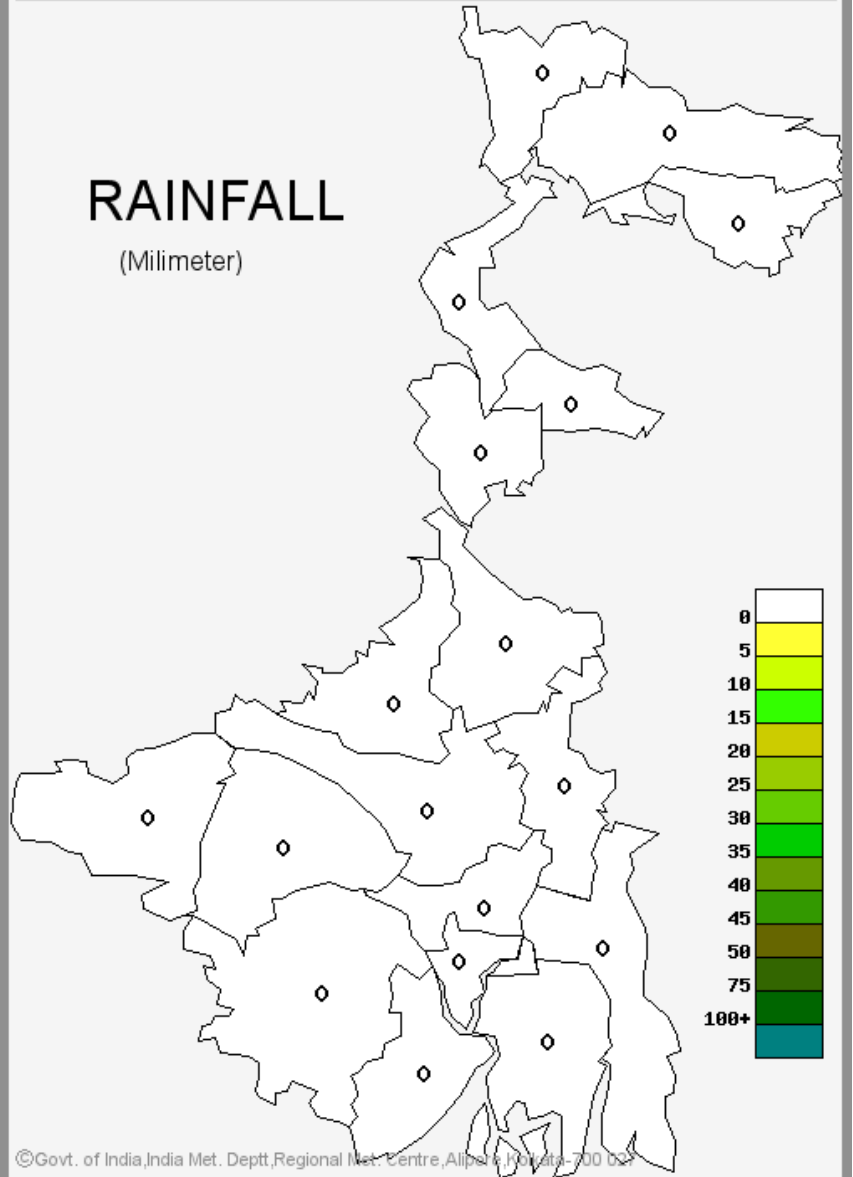


MIN
(°C)



RAINFALL

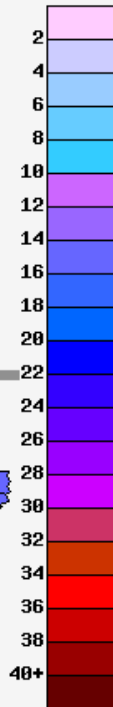
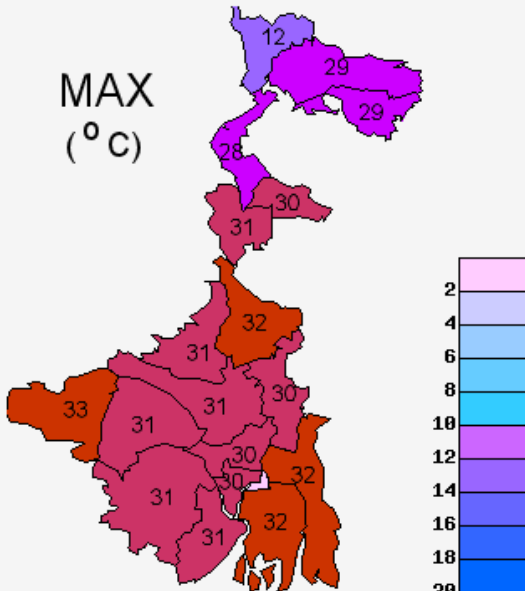
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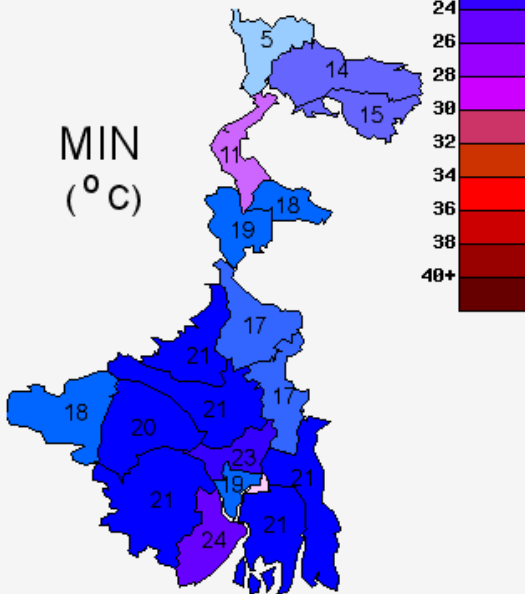
DAY 4 FORECAST

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MAX
(°C)

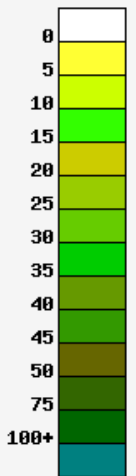
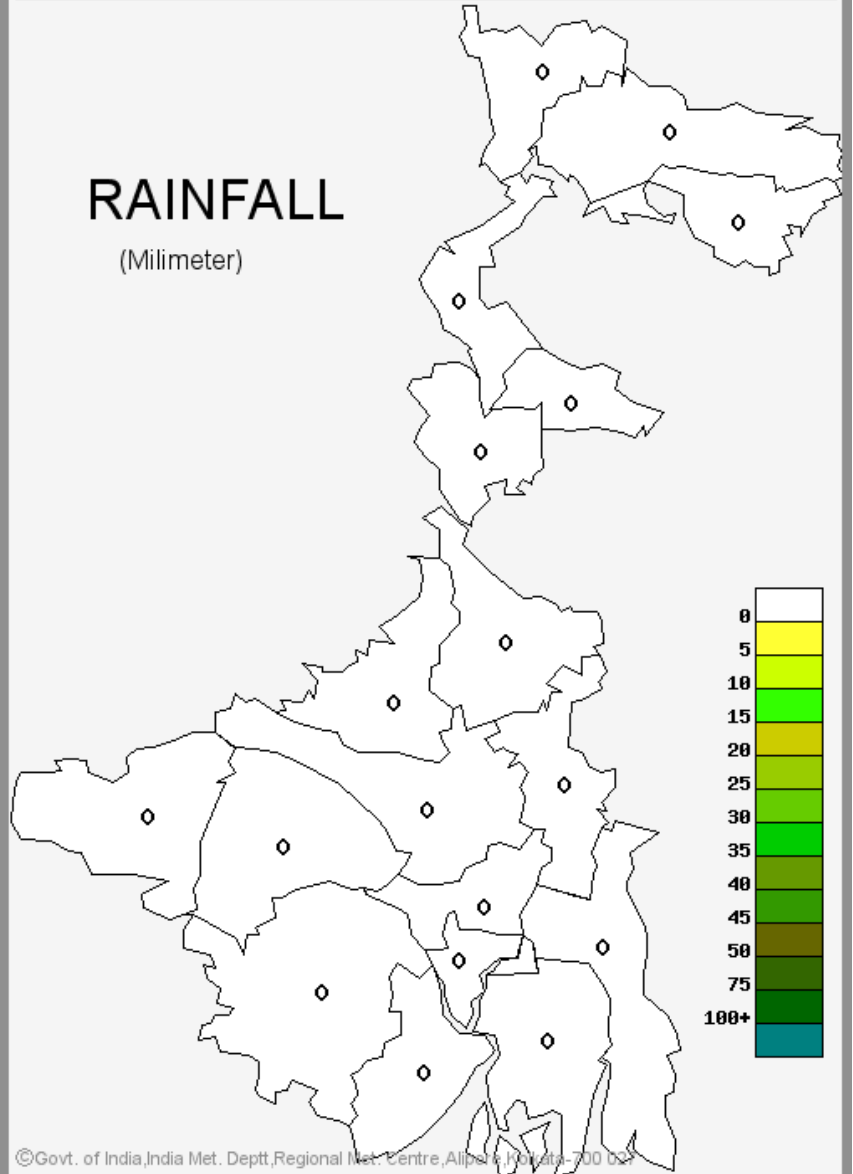


MIN
(°C)



RAINFALL

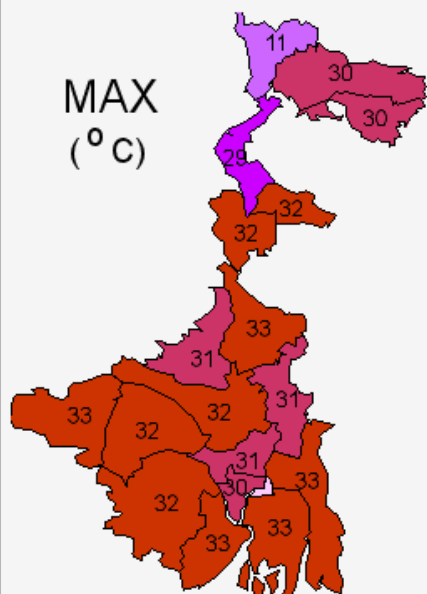
(Milimeter)



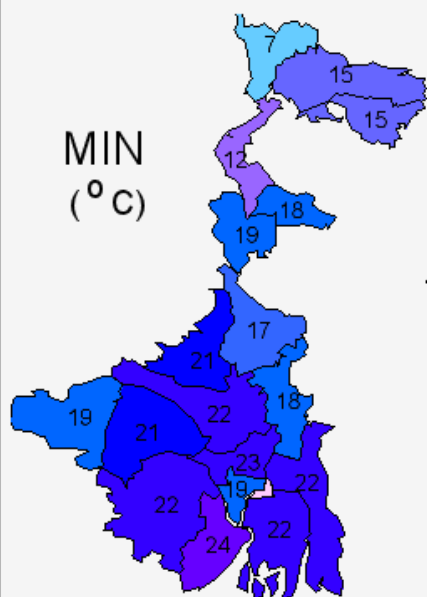
DAY 5 FORECAST

Valid up to : Sunday 10th March 2019, 0830 hrs IST

MAX
(°C)

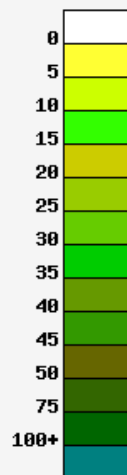
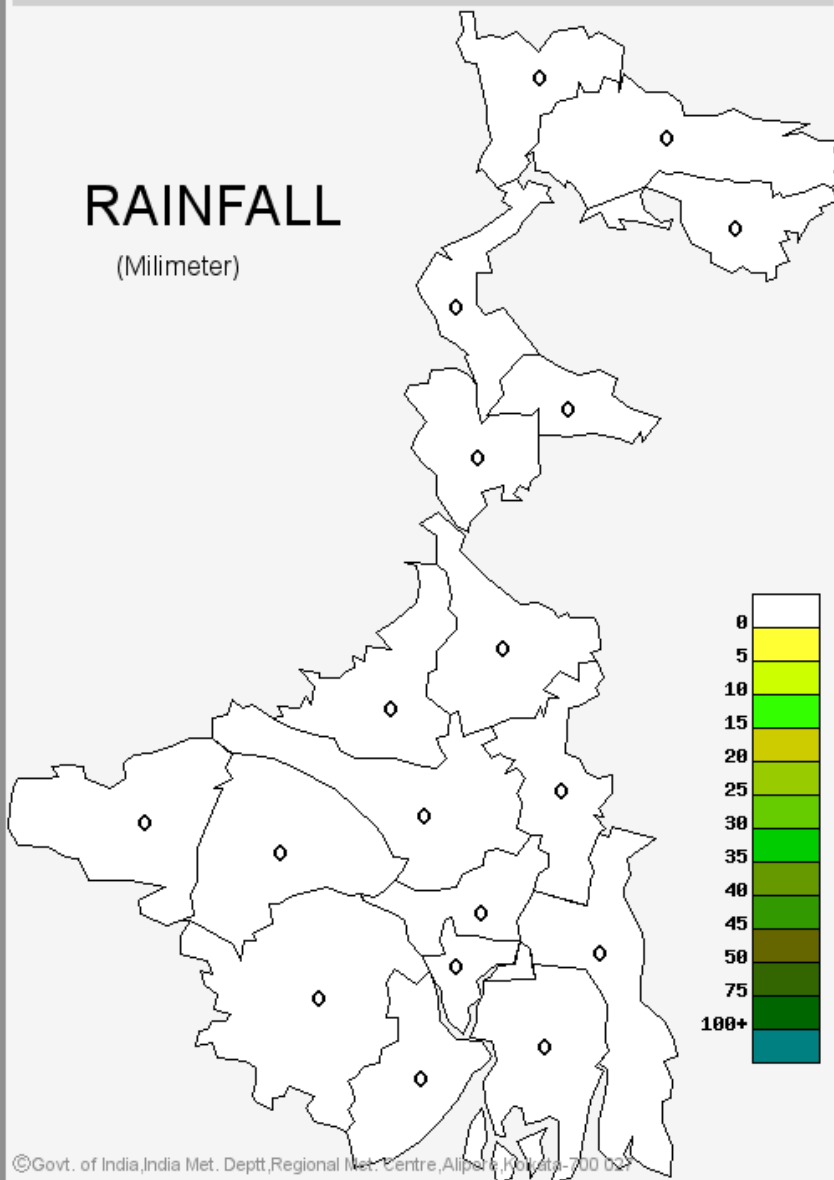


MIN
(°C)



RAINFALL

(Milimeter)



Part I: Weather

Districtwise significant Past Weather in different agroclimatic zones for the period 01/03/19 to 04/03/19

District level Weather Forecast for different agroclimatic zones for the period 06/03/19 to 10/03/19

West Bengal

Northern Hill Zone

DARJEELING

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	7.0	16-17	5-7	80-97
Saturday	0.0			
Sunday	0.0			
Monday	--			

DARJEELING

Rainfall	Possibilities of light rainfall on 6 th 7 th March and rest of the day's no rainfall has been forecasted. In coming five days total rainfall of 8.0 mm is expected.
Cloud Cover	Possibilities of clear sky are expected.
Max. Temp.	Maximum temperature is expected to be around 10.0 to 12.0°C.
Min. Temp.	Minimum temperature is expected to be around 4.0 to 7.0°C.
Max. RH	Maximum relative humidity is expected to be around 33 -58 %.
Min. RH	Minimum relative humidity is expected to be around 21 - 32 %.
Wind	Wind mainly will blow from south-easterly direction. In coming five days wind mainly will blow with a speed of 9.6- 10.3 km/hr is expected.

Terai-Teesta Alluvial Zone

COOCH BEHAR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	4.3	25-28	10-13	46-78
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

COOCHBEHAR

- Mainly clear sky will remain from 06 to 07 March and 08 March to 10 March clear sky.
- Very light rainfall will occur from 06 March , and no rainfall will occur from 07 to 10 March.
- Wind North easterly from 07 March to 08 March and 10 March. Wind easterly 06 March, 09 March average speed of 9.9-11.8 km/hr. is expected.
- Maximum temperature is expected to be around 27-30°C and minimum temperature is expected to be 12-15°C
- Maximum and minimum relative humidity is expected to be 44-78% and 25-39% respectively

JALPAIGURI

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	8.0	25-28	11-14	40-86
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

JALPAIGURI

- Mainly clear sky will remain from 07 March to 10 March and 06 March mainly clear sky. .
- Very light rainfall will occur from 06 March , and no rainfall will occur from 07 to 10 March.
- Wind easterly from 07 March to 10 March and 06 March wind North easterly average speed of 8.7-9.8 km/hr. is expected.
- Maximum temperature is expected to be around 28-30°C and minimum temperature is expected to be 13-15°C
- Maximum and minimum relative humidity is expected to be 33-62% and 22-37% respectively.

NORTH DINAJPUR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	25-27	10-11	75-95
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

NORTH DINAJPUR

- Mainly clear sky will remain from 07 March to 10 March and 06 March mainly clear sky.
- No rainfall will occur from 06 to 10 March.
- Wind easterly 07 March , wind South easterly 06 March to 10 March average speed of 8.8-10.9 km/hr. is expected.
- Maximum temperature is expected to be around 27-29°C and minimum temperature is expected to be 10-12°C
- Maximum and minimum relative humidity is expected to be 37-64% and 19-29% respectively

Gangetic Alluvial Zone

BURDWAN

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	28-28	16-18	73-90
Saturday	0.0			
Sunday	0.0			
Monday	1.4			

BURDWAN

Clear sky is expected during next 5 days .

No rainfall is expected during rest 5 days .

Wind flow mainly from NW,NE,E, SW, S direction with 7.3- 9.5 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 32% - 68% and minimum relative humidity is expected to be around 14% - 40%.

Maximum temperature is expected to be around 30.0°C – 35.0°C and minimum temperature is expected to be around 18.0°C - 19.0°C.

MURSHIDABAD

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	24-29	13-15	39-80
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

MURSHIDABAD

Clear sky is expected during next 5 days .

No rainfall is expected during rest 5 days .

Wind flow mainly from W, S & SW direction with 6.9- 9.6 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 33% - 75% and minimum relative humidity is expected to be around 16% - 32%.

Maximum temperature is expected to be around 30.0°C – 34.0°C and minimum temperature is expected to be around 17.0°C - 19.0°C.

NADIA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	26-27	15-15	30-92
Saturday	0.0			
Sunday	0.0			
Monday	--			

NADIA

Clear sky is expected during next 5 days .

No rainfall is expected during rest 5 days.

Wind flow mainly from NE,N, NW, SW & SE direction with 7.6- 9.0 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 35% - 82% and minimum relative humidity is expected to be around 16% - 47%.

Maximum temperature is expected to be around 30.0°C – 34.0°C and minimum temperature is expected to be around 19.0°C.

HOOGHLY

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	26-28	14-20	27-89
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

HOOGHLY

Clear sky is expected during next 5 days .

No rainfall is expected during rest 5 days.

Wind flow mainly from NE,N, E, NW & S direction with 7.7- 10.3 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 45% - 83% and minimum relative humidity is expected to be around 16% - 48%.

Maximum temperature is expected to be around 30.0°C – 33.0°C and minimum temperature is expected to be around 19.0°C - 20.0°C.

HOWRAH

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.1	26-28	15-18	66-72
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

HOWRAH

Clear sky is expected during next 5 days .

No rainfall to medium rainfall (6th March,11mm) is expected during rest 5 days

Wind flow mainly from NW,N, S & SW direction with 8.7- 9.8 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 63% - 85% and minimum relative humidity is expected to be around 15% - 48%.

Maximum temperature is expected to be around 30.0°C – 33.0°C and minimum temperature is expected to be around 20°C.

NORTH 24 PGS

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	27-28	16-17	40-76
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

NORTH 24 PGS

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

Light rainfall (11th March) is expected during rest 5 days and total will be 11 mm.

Wind flow mainly from NW, W, SW & N direction with 8.7- 12.0 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 60% - 82% and minimum relative humidity is expected to be around 19% - 52%.

Maximum temperature is expected to be around 30.0°C – 33.0°C and minimum temperature is expected to be around 21.0°C - 22.0°C.

Vindhyan Alluvial Zone**DAKSHIN DINAJPUR**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	27-28	17-18	32-88
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

DAKSHIN DINAJPUR

- Possibility of clear sky on 6th & 7th March and clear sky on 8th to 10th March.
- There seems to be possibility of no rain on 6th March to 10th March.
- Southerly direction with an average speed of 7.4-10.2 Km/hr. is expected.
- Maximum temperature is expected to be around 27.0-32.0°C and minimum temperature is expected to be 16.0-18.0°C.
- Maximum and minimum relative humidity is expected to be 41-79% and 20-31% respectively

MALDA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.2	26-27	13-17	23-73
Saturday	0.0			
Sunday	0.0			
Monday	1.7			

MALDA

- Possibility of clear sky on 6th March and clear sky on 7th to 10th March.
- There seems to be possibility of no rain on 6th March to 10th March.
- South-westerly and Westerly direction with an average speed of 8.6-11.0 Km/hr. is expected.
- Maximum temperature is expected to be around 30.0-32.0°C and minimum temperature is expected to be 17.0-19.0°C.
- Maximum and minimum relative humidity is expected to be 36-58% and 18-28% respectively

Coastal Saline Zone

PURBA MIDNAPUR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	26-30	17-22	44-87
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

PURBA MIDNAPUR

- Moderate rainfall is predicted on 6th March and no rainfall is predicted in the remaining days.
- Sky will be clear in the next five days.
- Wind speed will be 9.5-10.8 m/sec. and the predominant wind direction will be Northeasterly to North- Westerly.
- Maximum temperature is expected to be around 30.0^oC -33.0^oC and minimum temperature is likely to be around 19.0^oC-21.0^oC.
- Maximum and minimum relative humidity will be in the range of 72% -88% and 19% -50%

SOUTH 24-PGS

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.1	26-30	16-21	35-93
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

SOUTH 24-PGS

- Moderate rainfall is predicted on 6th March and no rainfall is predicted in the remaining days.
- Sky will be clear in the next five days.
- Wind speed will be 8.7-13.9 m/sec. and the predominant wind direction will be Northerly to North- Westerly.
- Maximum temperature is expected to be around 30.0^oC -33.0^oC and minimum temperature is likely to be around 21.0^oC-22.0^oC.
- Maximum and minimum relative humidity will be in the range of 74% -85% and 22% -55%.

Undulating Red and Laterite Zone**PASCHIM MIDNAPORE**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	24-30	15-21	53-91
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

PASCHIM MIDNAPORE

- Very light rainfall on Wednesday and partially clear sky will be present for the coming five days.
- Predominant wind direction will be Southeasterly. Wind with a speed of 7.2-10 km per hour will blow for coming five days.
- Relative humidity maximum will be 60-81 % and minimum will be 14-44 %
- Maximum temperature will be 28-32°C and minimum will be 19-22°C.

BANKURA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	27-31	14-18	31-71
Saturday	0.0			
Sunday	0.0			
Monday	0.2			

BANKURA

- Very light rainfall on Wednesday and partially clear sky will be present for the coming five days.
- Predominant wind direction will be Southeasterly. Wind with a speed of 7.2-10 km per hour will blow for coming five days.
- Relative humidity maximum will be 32-66 % and minimum will be 13-40 %
- Maximum temperature will be 29-32°C and minimum will be 18-21°C.

PURULIA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	26-29	11-15	71-93
Saturday	0.0			
Sunday	0.0			
Monday	2.0			

PURULIA

- Very light rainfall on Wednesday and partially clear sky will be present for the coming five days.
- Predominant wind direction will be Southeasterly. Wind with a speed of 7.3-9.4 km per hour will blow for coming five days.
- Relative humidity maximum will be 27-55 % and minimum will be 11-34 %
- Maximum temperature will be 29-33°C and minimum will be 16-19°C.

BIRBHUM

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.3	27-29	12-18	39-71
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

BIRBHUM

- Very light rainfall on Wednesday and partially clear sky will be present for the coming five days.
- Predominant wind direction will be Southeasterly. Wind with a speed of 8-9.4 km per hour will blow for coming five days.
- Relative humidity maximum will be 31-60 % and minimum will be 15-29 %
- Maximum temperature will be 27-31°C and minimum will be 18-21°C.

Andaman & Nicobar Islands**ANDAMAN**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	28-34	21-23	61-100
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

NORTH MIDDLE ANDAMAN**SOUTH ANDAMAN.****NICOBAR**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	29-33	22-25	60-80
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

NICOBAR

➤

West Bengal

Northern Hill Zone

MAJOR CROPS	STAGE	PEST & DISEASES	ADVISORY
General	-	-	In coming five days light rainfall on 6 th 7 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 8.0 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 8.0 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 06 March , and no rainfall will occur from 07 to 10 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 spots on leaves. First top dressing with urea @ 10-12 kg/ bigha or Second top dressing apply another 8-10 kg/ bigha with 4-5 kg MOP/ bigha.
Wheat		Foliar blight	Plants with yellowish patches on leaves to be sprayed with Tebuconazole @ 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

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. Anthelmintics 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
According to NDVI data sent by IMD agricultural vigour of New Alluvial Zone of West Bengal will be Moderate in the coming week.		

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	Flowering/Pod formation 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	Vegetative Fruit Setting	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/l) and Fosetyl Al (Alliet) (2.5g/l) at 10 days interval is very effective. For the management of brinjal fruit and shoot borer one application of Coragen @ 4 ml/16 lt of water. Cleanliness to be maintained. Apply Thiomethoxam 0.3 SG @1g/3lit. of water to manage sucking pests infestation. For nematode problem apply Carbofuron 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	For pest control apply Imidachlorprid @ 3ml/ 10 litres of water. If required then repeat the application of Imidachlorprid after 10 days. To control late blight apply Mancozeb 2.5 g / lt. of water. If infestation is more, apply cymoxanil-mancozeb (Curzate) (2.5 g/l) 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 pest	Advisory
Boro paddy	Vegetative	No irrigation or fertilizer application should be done for next five days Keep arrangement for drain out of excess water	
Tomato, brinjal, chilli etc.	--Where seeds were sown in upland area, drain out excess water --Where the field completely submerged, wait for drain out then select some early variety for cultivation purpose		
Sunflower	vegetative	--Drain out excess water	
Potato	--Drain out water from field and immediate complete harvesting potato otherwise all the potatoes will be rotten --Wash the harvested potato and keep them under dry place for avoiding rotting		
Poultry	--Keep the liter dry and infection free by applying dry straw and lime --Arrange more lights in the cage of new born chick		

Rainy condition was found from NDVI data and severely wet condition was found from SPI data served by IMD in the Southern part of West Bengal

Vindhyan Alluvial Zone

Crop	Stage	Variety	Advisory
General	--	--	There seems to be possibility of no rain on 6 th March to 10 th March and possibility of clear sky during this time. Irrigation and spray should be done as per requirements.
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 Dinoteforun 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 dadeci @ 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.

Fishery

Undulating Red and Laterite Zone

Crop	Stage	Problem	Advisory
Boro rice	Active Tillering	Weeds Blast	Remove the weeds by hand weeding in the field and Keep the bunds clean. Maintain the water level upto 2 cm in the field. Avoid excess nitrogen application. Spray Tricyclozole 75WP@ 1g/lit of water after the rains.
Wheat	Dough stage	---	It is the final growth stage of the crop. No need of irrigation due to slight rains.
Groundnut	Flowering	---	When the crop at the age of 35-40 DAS, Spray nutrient solution Groundnut rich @ 38g/lit at clear weather condition for improving pod filling in the crop.
Pointed gourd	Vegetative stage	Fruit fly	Apply Malathion 50 EC 1 ml/lit of water at late afternoon after the rains
Fishery	<u>Fishery Management:</u> 1. For any bacterial disease infection Dip treatment of fish in Copper sulphate @5mg/lit of water for 1 minute. 2. Broadcast 6-7g potassium permanganate for decimal water body for continue 7 days at night.		
General	Crop coverage is less and soil is wet in condition. Due to rains no need of irrigation to the standing crops. Drain the excess water from the field.		

Andaman & Nicobar Islands

For North and Middle Andaman

Crop/Livestock	Stage	Weather based agro advisories
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For South Andaman

Crop/Livestock	Stage	Weather based agro advisories
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		•
		•

For Nicobar

Crop/Livestock	Stage	Weather based agro advisories

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