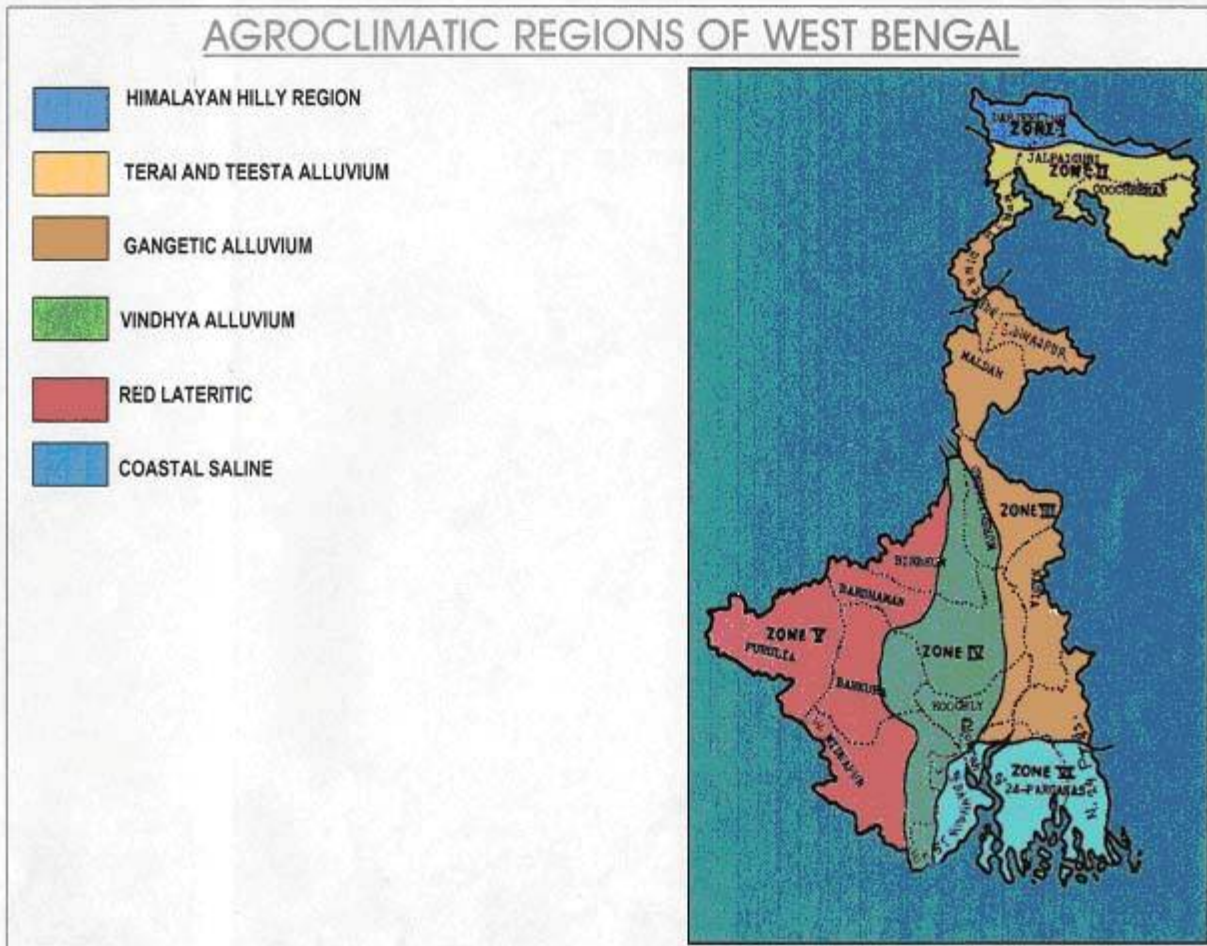


AGROMETEOROLOGICAL ADVISORY BULLETIN FOR THE STATE OF WEST BENGAL AND A&N ISLANDS

For the period from 12th December '2018 to 16th December '2018



Issued on
Tuesday, 11th 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	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):

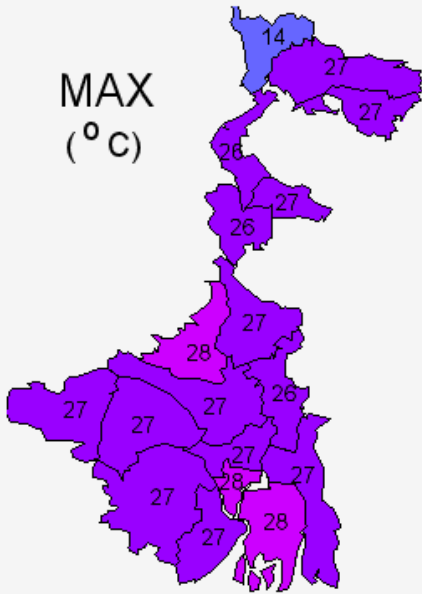
Gangetic West Bengal consists of Dakhin Dinajpur, Malda, Murshidabad, Nadia, South 24 Parganas, North 24 Parganas, Bankura, Purulia, Birbhum, Paschim Midnapore, Jhargram, Purba Midnapore, Kolkata, Burdwan.

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

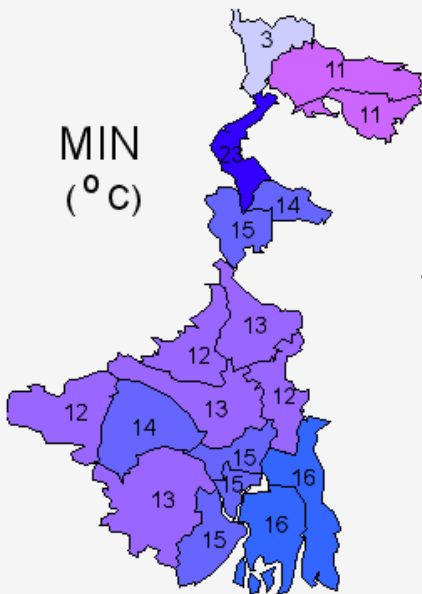
DAY 1 FORECAST

Valid up to :Wednesday 12th December 2018,0830 hrs IST

MAX
(°C)

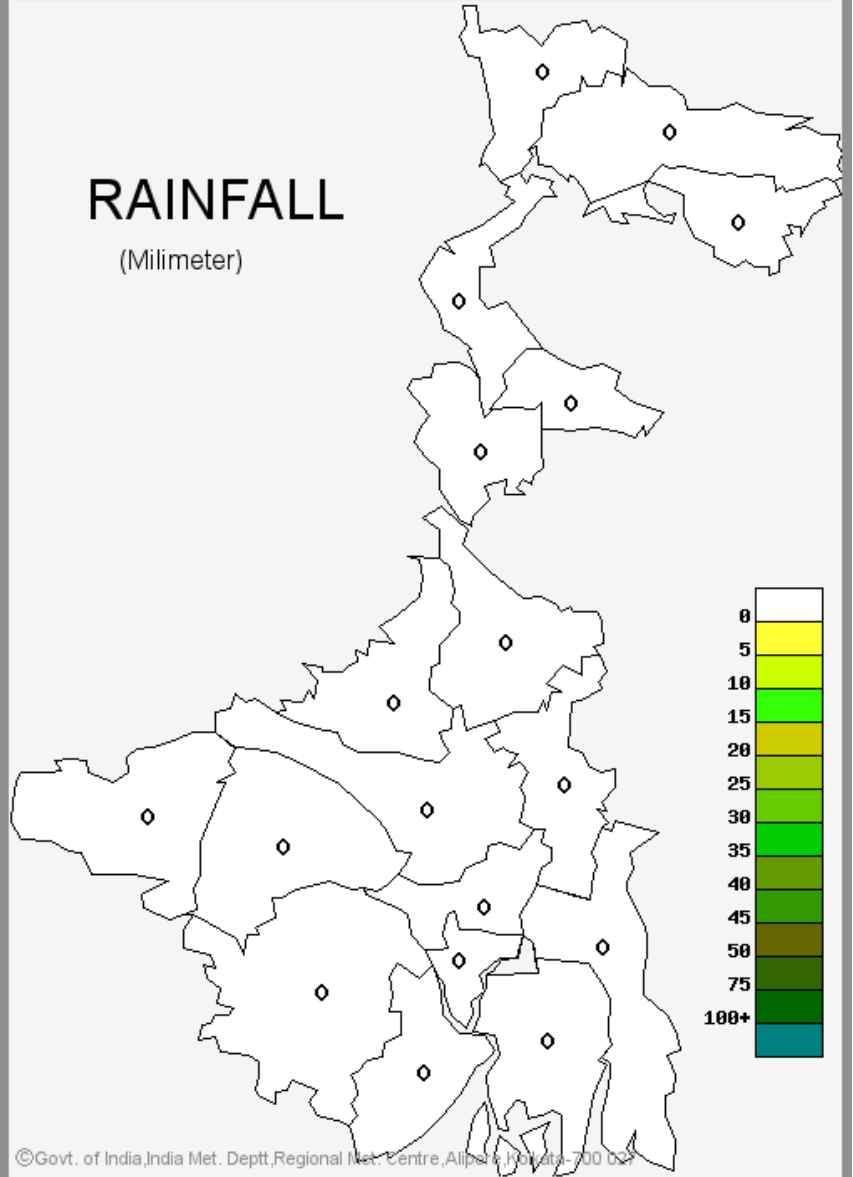


MIN
(°C)



RAINFALL

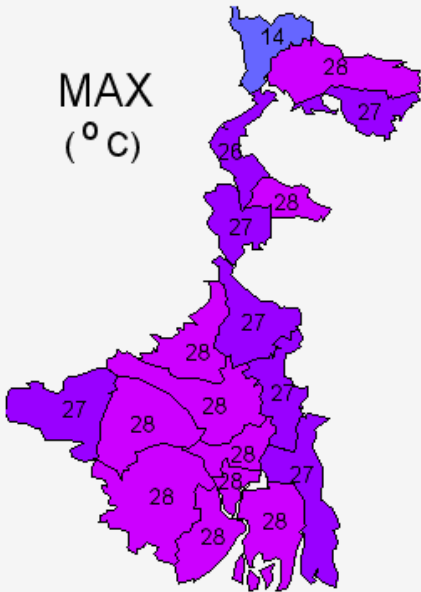
(Milimeter)



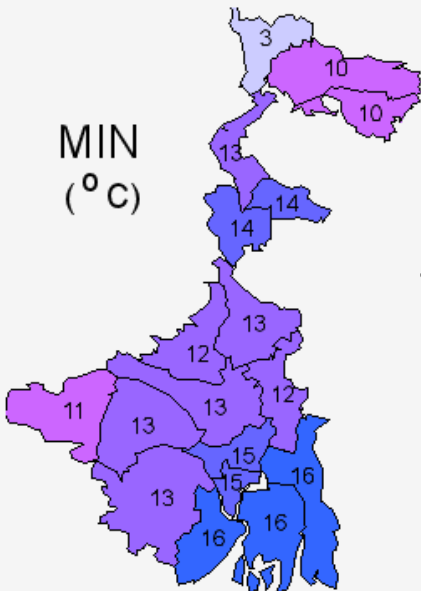
DAY 2 FORECAST

Valid up to :Thursday 13th December 2018,0830 hrs IST

MAX
(°C)

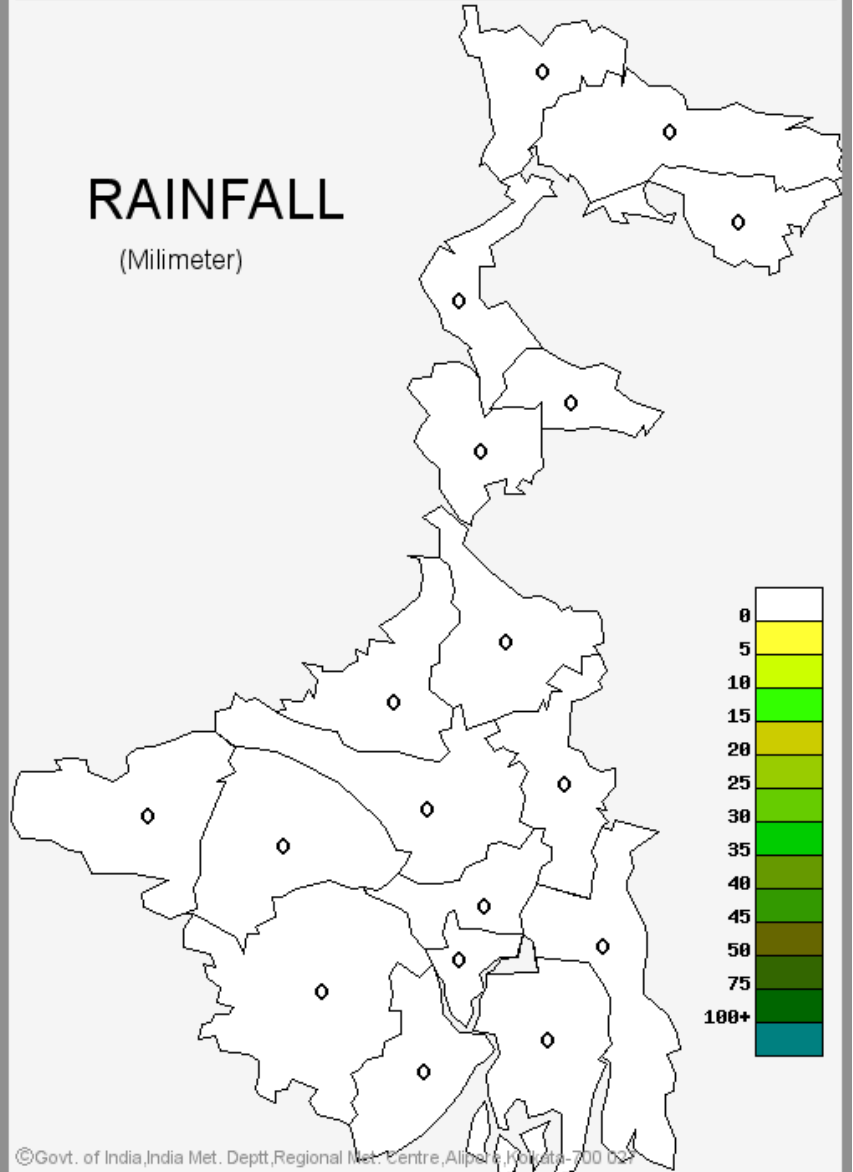


MIN
(°C)



RAINFALL

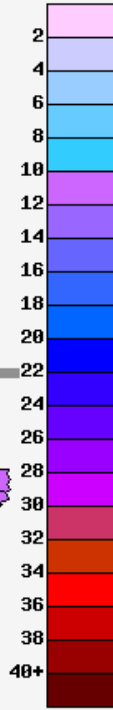
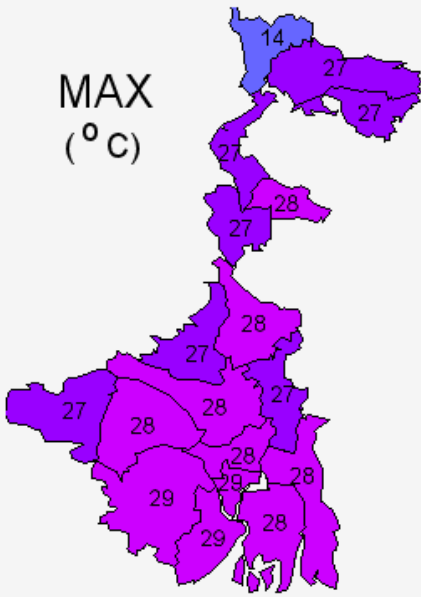
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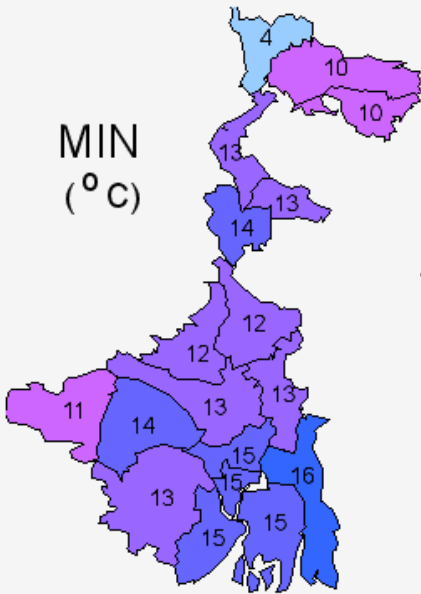
DAY 3 FORECAST

Valid up to :Friday 14th December 2018,0830 hrs IST

MAX
(°C)

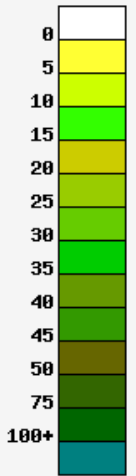
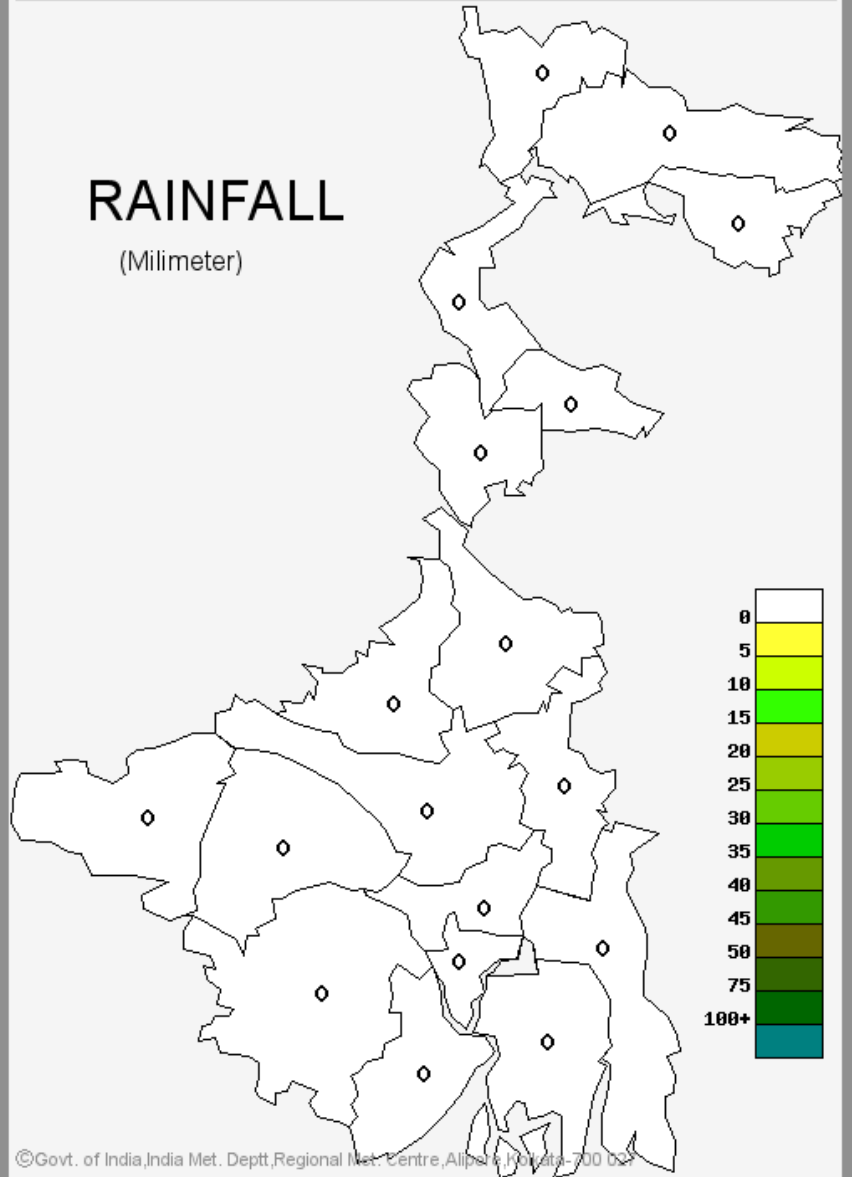


MIN
(°C)



RAINFALL

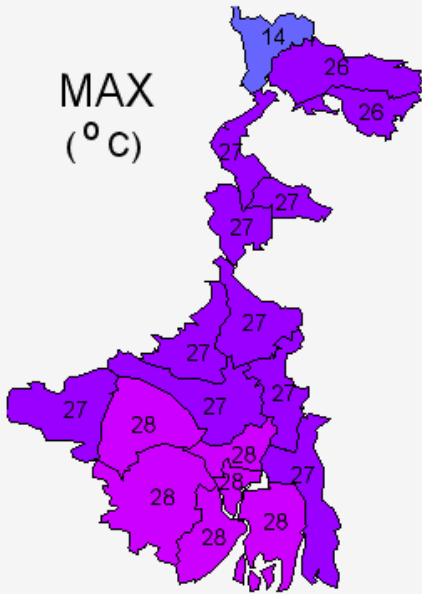
(Milimeter)



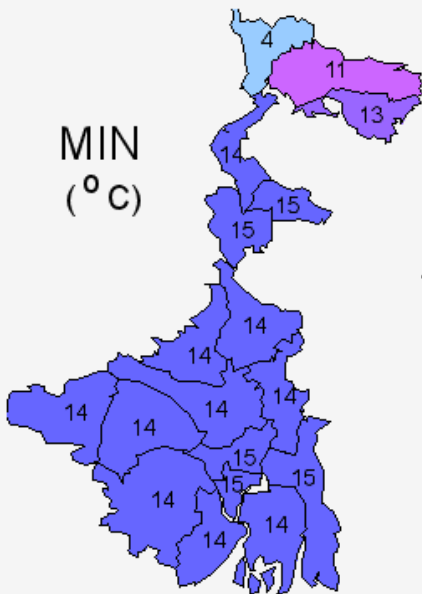
DAY 4 FORECAST

Valid up to : Saturday 15th December 2018, 0830 hrs IST

MAX
(°C)

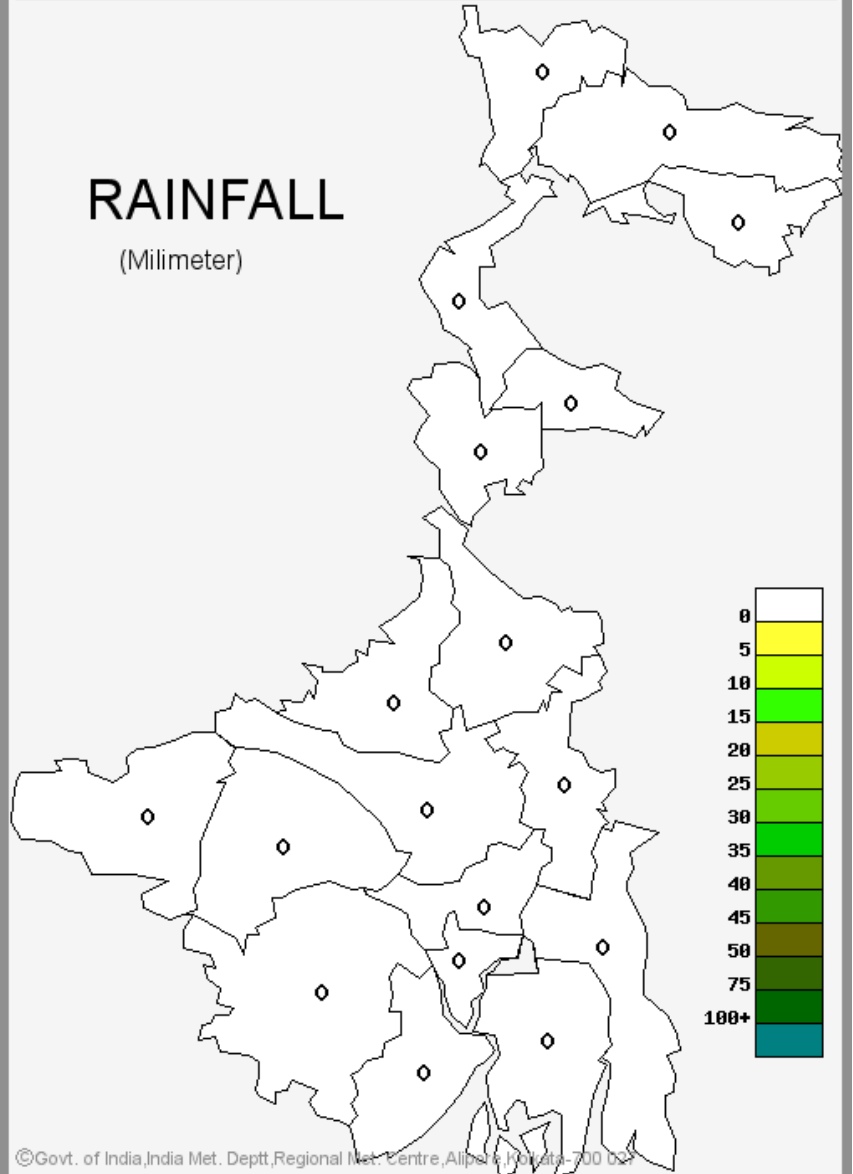


MIN
(°C)



RAINFALL

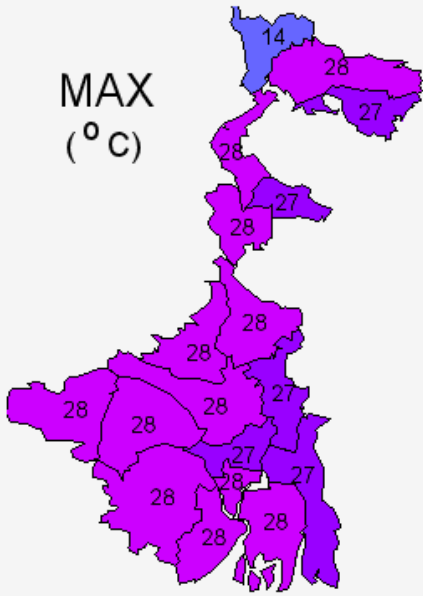
(Milimeter)



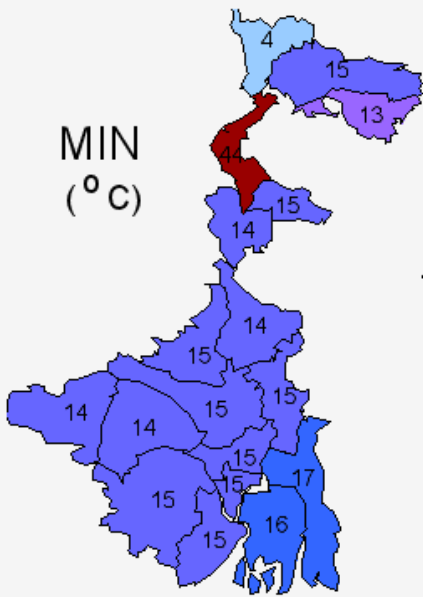
DAY 5 FORECAST

Valid up to : Sunday 16th December 2018, 0830 hrs IST

MAX
(°C)

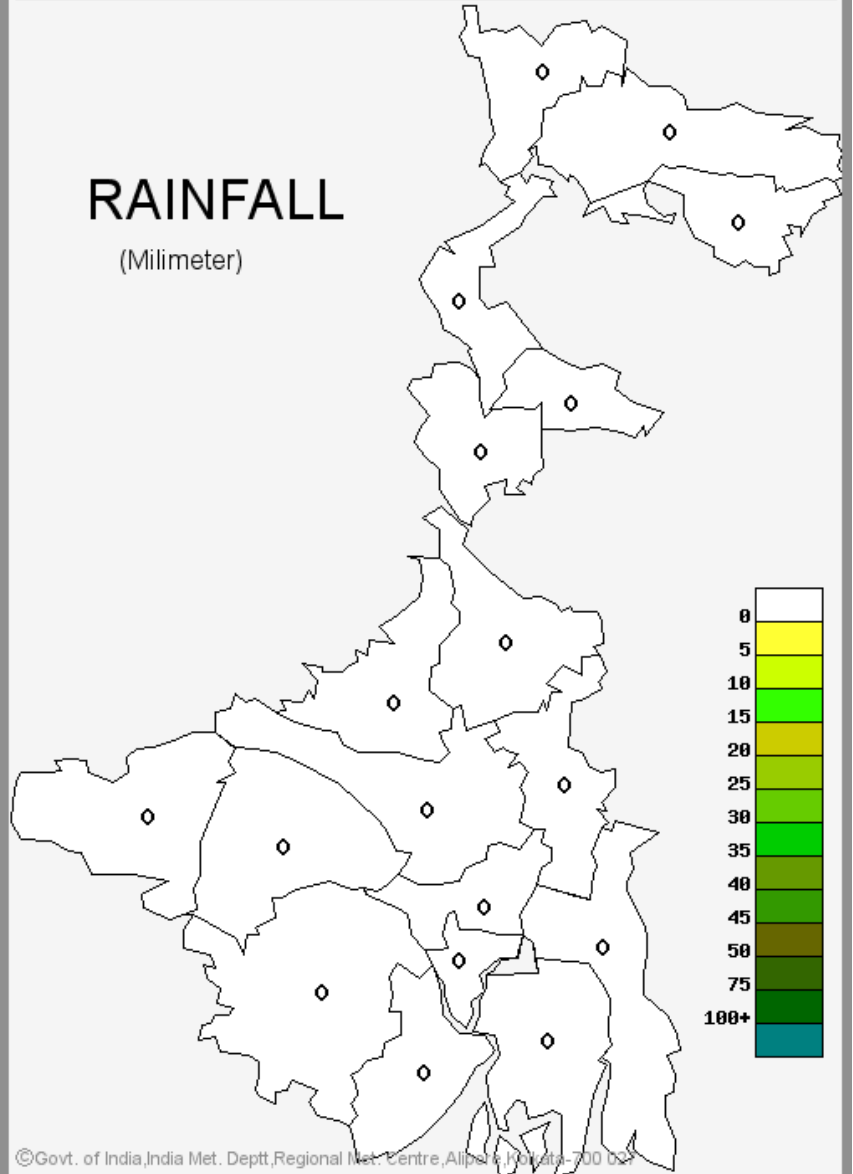


MIN
(°C)



RAINFALL

(Milimeter)



Part I: Weather

Districtwise significant Past Weather in different agroclimatic zones for the period 07/12/18 to 10/12/18

District level Weather Forecast for different agroclimatic zones for the period 12/12/18 to 16/12/18

West Bengal

Northern Hill Zone

DARJEELING

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	10-17	02-10	60-96
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

DARJEELING

Rainfall	Possibilities no rainfall are expected for coming five days. In next five days total rainfall of 0.0 mm is expected.
Cloud Cover	Possibilities of partly clear sky on 16 th Dec and rest of the day's clear sky are expected.
Max. Temp.	Maximum temperature is expected to be around 14 to 14°C.
Min. Temp.	Minimum temperature is expected to be around 3.0 to 4.0°C.
Max. RH	Maximum relative humidity is expected to be around 30-50%.
Min. RH	Minimum relative humidity is expected to be around 15-23%.
Wind	In coming five days wind mainly will blow from south easterly direction. In coming five days wind mainly will blow with a speed of 8- 8.5 km/hr is expected.

Terai-Teesta Alluvial Zone

COOCH BEHAR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	27-28	9-11	70-85
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

COOCHBEHAR

- Clear sky will remain from 12 December to 15 December. and 16 December Partly Clear Sky
- No rainfall will occur from 12 December to 16 December.
- Wind North easterly from 12 December to 16December, average speed of 6.8-11 km/hr. is expected.
- Maximum temperature is expected to be around 27°C and minimum temperature is expected to be 10-13°C.
- Maximum and minimum relative humidity is expected to be 32-44% and 19-30% respectively.

JALPAIGURI

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	27-28	10-12	70-82
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

JALPAIGURI

- Clear sky will remain from 12 December to 15 December. and 16 December Partly Clear Sky
- No rainfall will occur from 12 December to 16 December.
- Wind Easterly from 12 -14 December and 16 December, North Easterly 15 December average speed of 7-8 km/hr. is expected.
- Maximum temperature is expected to be around 26-28°C and minimum temperature is expected to be 10-15°C.
- Maximum and minimum relative humidity is expected to be 30-41% and 17-26% respectively.
-

NORTH DINAJPUR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	23-24	13-13	70-80
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

NORTH DINAJPUR

- Clear sky will remain from 12 December to 15 December. and 16 December Partly Clear Sky.
- No rainfall will occur from 12 December to 16 December.
- Wind North Easterly from 12-14 December and 16 December. 15 December, Wind South Easterly . average speed of 7-9 km/hr. is expected.
- Maximum temperature is expected to be around 26-28°C and minimum temperature is expected to be 13-14°C.
- Maximum and minimum relative humidity is expected to be 32-50% and 16-30% respectively.

Gangetic Alluvial Zone**BURDWAN**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	25-28	13-14	60-80
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

BURDWAN

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

No rainfall is expected during next few days .

Wind flow mainly from NE, E & SW direction with 7-13.8 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 43-53% and minimum relative humidity is expected to be around 26% - 32%.

Maximum temperature is expected to be around 27°C - 28°C and minimum temperature is expected to be around 13°C – 15°C.

MURSHIDABAD

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	28-30	12-13	50-90
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

MURSHIDABAD

No rainfall is expected during next .

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

Wind flow mainly from NE ,N & E direction with 8.2-13.1 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 38-60% and minimum relative humidity is expected to be around 19% - 44%.

Maximum temperature is expected to be around 27 °C - 28°C and minimum temperature is expected to be around 12°C -14°C



NADIA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	25-30	11-13	60-85
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

NADIA

No rainfall is expected during next few day.

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

Wind flow mainly from N, S & SW direction with 8.1 - 14.2 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 39 - 56% and minimum relative humidity is expected to be around 20% - 35%.

Maximum temperature is expected to be around 26 °C - 30 °C and minimum temperature is expected to be around 15°C -16°C

HOOGLY

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	26-29	12-15	55-85
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

HOOGLY

No rainfall is expected during next few days .

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

Wind flow mainly from N direction with 7.3 -13.3 km/hr speed during next 5 days is expected.

Maximum relative humidity is expected to be around 41 - 52% and minimum relative humidity is expected to be around 29% - 38%.

Maximum temperature is expected to be around 27 °C - 30 °C and minimum temperature is expected to be around 15°C.

HOWRAH

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	26-29	12-15	55-85
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

HOWRAH

No rainfall is expected during next few days .

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

Wind flow mainly from N direction with 7.5 – 14.2 km/hr speed during next 5 days is expected.

Maximum relative humidity is expected to be around 36 - 53% and minimum relative humidity is expected to be around 25% - 37%.

Maximum temperature is expected to be around 28°C - 31 °C and minimum temperature is expected to be around 15°C -36°C

NORTH 24 PGS

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	26-27	14-16	50-85
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

NORTH 24 PGS

No rainfall is expected during next few days .

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

Wind flow mainly from NE, W, E direction with 11 - 16.1 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 37 - 54% and minimum relative humidity is expected to be around 25% - 34%.

Maximum temperature is expected to be around 27 °C - 30 °C and minimum temperature is expected to be around 15°C -17°C

Vindhyan Alluvial Zone

DAKSHIN DINAJPUR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	25-27	8-10	65-85
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

DAKSHIN DINAJPUR

- Possibility of clear sky on 12th to 15th December and mainly cloudy sky on 16th December.
- There seems to be possibility of no rainfall on 12th December to 16th December.
- Wind from Northerly, North-easterly & South-easterly direction with an average speed of 9.2-10.5 Km/hr. is expected.
- Maximum temperature is expected to be around 27.0-28.0⁰C and minimum temperature is expected to be 13.0-15.0⁰C.
- Maximum and minimum relative humidity is expected to be 38-66 % and 20-35 %, respectively

MALDA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	26-27	15-16	65-79
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

MALDA

- Possibility of clear sky on 8th to 11th December and mainly clear sky on 12th December.
- There seems to be possibility of no rainfall on 8th December to 12th December.
- Wind from North-westerly, Easterly, North-easterly & South-easterly direction with an average speed of 7.8-10.9 Km/hr. is expected.
- Maximum temperature is expected to be around 26.0⁰C and minimum temperature is expected to be 15.0-16.0⁰C.
- Maximum and minimum relative humidity is expected to be 48-57 % and 26-32 %, respectively.

Coastal Saline Zone

PURBA MIDNAPUR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	26-27	14-16	65-80
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

PURBA MIDNAPUR

- No rainfall is predicted in the next five days.
- Sky will be slightly cloudy in the next five days.
- Wind speed will be 6.7-14.2 km/sec. and the predominant wind direction will be Northerly.
- Maximum temperature is expected to be around 24.0⁰C -29.0⁰C and minimum temperature is likely to be around 16.0⁰C-19.0⁰C.
- Maximum and minimum relative humidity will be in the range of 46% -54% and 27% -39%.

SOUTH 24-PGS

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	27-27	14-16	60-80
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

SOUTH 24-PGS

- No rainfall is predicted in the next five days.
- Sky will be slightly cloudy in the next five days.
- Wind speed will be 9.0-16.2km/sec. and the predominant wind direction will be Northerly.
- Maximum temperature is expected to be around 23.0⁰C -29.0⁰C and minimum temperature is likely to be around 17.0⁰C-20.0⁰C.
- Maximum and minimum relative humidity will be in the range of 40% -53% and 27% -35%.

Undulating Red and Laterite Zone

PASCHIM MIDNAPORE

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	26-27	12-14	40-90
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

PASCHIM MIDNAPORE

- No rainfall for the coming five days and completely partially clear sky will be present for the same.
- Predominant wind direction will be Northerly. Wind with a speed of 9.4-13.1 km per hour will blow for coming five days.
- Relative humidity maximum will be 45-55 % and minimum will be 29-40%
- Maximum temperature will be 27-28°C and minimum will be 13-15°C.

BANKURA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	28-28	11-14	50-85
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

BANKURA

- No rainfall for the coming five days and completely partially clear sky will be present for the same.
- Predominant wind direction will be Northerly. Wind with a speed of 6.7-10.7 km per hour will blow for coming five days.
- Relative humidity maximum will be 45-52 % and minimum will be 27-31%
- Maximum temperature will be 27-28°C and minimum will be 13-14°C.

PURULIA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	26-27	10-11	40-75
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

PURULIA

- No rainfall for the coming five days and completely partially clear sky will be present for the same.
- Predominant wind direction will be Northerly. Wind with a speed of 4.8-9.1 km per hour will blow for coming five days.
- Relative humidity maximum will be 41-58 % and minimum will be 27-32%
- Maximum temperature will be 27-28°C and minimum will be 11-14°C.

BIRBHUM

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	27-27	10-12	65-86
Saturday	0.0			
Sunday	0.0			
Monday	0.0			

BIRBHUM

- No rainfall for the coming five days and completely partially clear sky will be present for the same.
- Predominant wind direction will be Northerly. Wind with a speed of 7.9-12.6 km per hour will blow for coming five days.
- Relative humidity maximum will be 37-52 % and minimum will be 20-38%
- Maximum temperature will be 27-28°C and minimum will be 12-15°C.

Andaman & Nicobar Islands**ANDAMAN**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	0.0	26-28	21-26	95-96
Saturday	32.1			
Sunday	23.5			
Monday	2.8			

NORTH MIDDLE ANDAMAN

Cloudy weather with moderate to heavy rainfall is likely to occur during next five days. In North and Middle Andaman 148 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 24.0 °C, whereas the maximum and minimum relative humidity is expected to be in the range of 78 to 80 % and 73 to 75 % respectively in North and Middle Andaman. Wind speed of 30.9 to 28.6 km/h is expected from South Easterly direction.

SOUTH ANDAMAN.

- Cloudy weather with moderate to heavy rainfall is likely to occur during next five days. In South Andaman 171.0 mm of rainfall is expected during this period. The maximum temperature in South Andaman will be 30.0 °C with minimum temperature of 24 to 25 °C, whereas the maximum and minimum relative humidity is expected to be in the range of 78 to 79 %, and 74 to 75 % respectively in South Andaman. Wind speed of 22.4 to 31.8 km/h is expected from South Easterly direction.

NICOBAR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Friday	23.2	26-33	21-26	79-95
Saturday	30.0			
Sunday	1.0			
Monday	-----			

NICOBAR

- Cloudy weather with moderate to heavy rainfall is likely to occur during next five days. In Nicobar Islands 128.0 mm of rainfall is expected during this period. The maximum temperature will be 30.0 °C with minimum temperature of 27 to 28 °C, whereas the maximum and minimum relative humidity is expected to be 81 to 82 %, and 72 to 78 %, respectively in Nicobar Islands. Wind speed of 23.0 to 28.4 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 no rainfall has been forecasted so, irrigate the crops as per the requirement.
Large cardamom	Vegetative Stage	-	Use leaf mold at base of clump for moisture conservation as no rainfall has been forecasted for coming five days.
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.
Cole Crop (Cauliflower, Cabbage, etc)	Vegetative stage	-	After weeding, irrigate the crop as per the requirement.
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		After weeding, irrigate the crop as per the requirement.
Animal Husbandry (Cattle)	-	-	Calf should be feed with calf starter for 3-4 days after birth. This will enhance digestive system and help to maintain body heat during winter.
General	-	-	In coming five days no rainfall has been forecasted so, irrigate the crops as per the requirement.

Terai-Teesta Alluvial Zone

Advisory			
General	Clear sky will remain from 12 December to 15 December. and 16 December Partly Clear Sky		
Agriculture and Horticulture			
Main Crops	Stage	Pest & Diseases	Advisory
Potato	Sowing		Treat the seeds before sowing in the solution of (Carbendazim 1g + Mencozeb 2g) per lit. of water by dipping for at least 30 minutes. Spray Mencozeb 75 wp @ 2.5g/lit of water as Preventive Measure.
Lentil	Sowing		If already harvesting of paddy is done go for sowing of lentil. Before sowing seed treatment with carbendazim @ 2g/kg should be done. Also treatment with Rhizobium culture is compulsory.
Ginger, Turmeric		Rhizome rot	Earthingup, weeding and drainingout of excess water. Turmeric In case of leaf yellowing due to rotting of rhizomes apply (Metalaxyl + Mancozeb) @2.5 g/ lit. of water as soil drenching.
Legume vegetable	Reproductive	Aphid, white fly	For Aphid control of Lab Lab bean apply Ash in case of lower infestation and in case of heavy infestation Thiomethoxam 0.3 SG @1g/3 lit.. of water may be applied.
Crucifers	Sowing of seedling		Treat the seeds with captan 50WP@3g/kg of seed before sowing. If rotting is observed on seedlings, then apply Cupperoxy. Chloride @ 3g/lit. of water.
Cucurbits	Fruiting	Fruit Fly Fruit & Vine rot White fly, Downy mildew	Collection and destruction of fruit fly infested fruits. Installation of pheromone trap @ 2/Bigha. Apply (Metalaxyl 8% + Mencozeb 64%) @ 2g/lit. of water or Azoxystrobin @1ml/lit. of water, if there is appearance of fruit rot or rotting of vines, mainly near soil surface. For white fly apply clothianidin 50 WDG@ 3g/10lit. of water. For downy mildew yellowish patches develop on upper surface of the leaf, below which whitish fungal growth seen. In such symptom apply Azoxystrobin @ 1 mili/ lit. of water.
Animal Husbandry			
Name of Animal	Disease	Control measures	
Cattle and Buffalo	Non specific Diarrhoea, FMD	The cattle population are supposed to suffer from non-specific diarrhea during this, mid rainy season due to water borne infections. Any gut acting antibacterials along with remonetric preparation may lead to satisfactory result. FMD may also consider during this hot humid condition. Appropriate Vaccination coverage. Anthelminitics of course for animals in proper doses is also advisable for better production potentials.	
Chicken	pox	Care for day old 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
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 st top dressing of nitrogenous fertilizer and earthing up for cabbage, cauliflower, broccoli, tomato, chilli. After fertilizer application, light irrigation should be given. No need to apply nitrogenous fertilizer in case of french bean at this stage but other operations should be followed. For pointed gourd after sprouting/germination of vine/root cuttings, hand weeding followed by mulching with paddy straw should be done. If downy mildew appears in the leaf, alternate spraying with cymoxanil-mancozeb (Curzate) (2.5 g/lt) and fosetyl Al (Alliet) (2.5g/lt) at 10 days interval is very effective.
Potato	Sprouting/ Vegetative stage	If planting is done end of November to first week of December, depending on the soil moisture, apply splash irrigation at 3-4 days interval up to 2-3 days before 1 st earthing up. If planting is done before 15 th of November, light spading followed by hand weeding at this stage is necessary. First top dressing with 1/4 th amount of total nitrogen (200 kg N) + 1/4 th 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.
Rabi Onion & Garlic	Vegetative	Intercultural operations like light spading and weeding should be done. Propiconazole (Tilt) @ 1ml/l with a sticker 4-5 times starting from 15 days after transplanting to check purple blotch disease
Flowers like Marigold, Chrysanthemum & Gladiolus	Vegetative	Intercultural operations like light spading and weeding should be done.
Spinach, Radish, Fenugreek, Coriander, Turnip	Vegetative	Extra seedlings should be thinned out. Intercultural operations like light spading and weeding should be done.
Mango Orchard	General	Wrapping of plastic sheets around mango trunk should be done for preventing climbing of young mealy bugs. Apply grease to seal any cracks in the polythene sheets. Irrigation should be done in all orchards.
Poultry	General	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	Advisory
Boro paddy		--Start Sowing of boro paddy --Maintain a thin layer of water over the seed bed --If possible arrange polythene shade over seed bed
Potato		--If moisture level of soil remain proper then first apply Trichoderma Viridi mix with compost @50kg compost+1kg trichodermaviridi basal fertilizers urea@4kg/bigha, SSP@14kg/bigha and MOP@4kg/bigha --Before planting seed should be treated by Methoxy Mercuric Chloride@100g/quintal seed by soaking of 2 minutes --Planting of tuber should be done at a row spacing of 45-60cm and at a plant spacing of 15-25cm and at a depth of 5-7cm.
Lentil		--Select some variety for sowing like Asha, Ranjan, Subrata, Suvendu etc. --Before sowing apply basal fertilizer viz. urea@43kg/bigha, SSP@250kg/bigha and MOP@66kg/bigha --Complete sowing immediately
Betelvine		--Keep the fencing tight --Cover the whole fencing by cotton cloths like sari for preventing strong Northern wind
Cattle	--Viral pneumonia due to cold (symptom: Stretching of boby hair, high temp., redish eye) --Hyperglyciemia	--Cowshed should be keep dry --Cover the openings of cowshed by jute bag

Vindhyan Alluvial Zone

Crop	Stage	Variety	Advisory
General	--	--	
Paddy	Harvesting		There seems to possibility of no rain during coming five days i.e. 12 th December to 16 th December. Paddy harvesting, threshing & drying should be done during this time.
Lentil	Growth stage	--	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 tank) water per bigha.
Cucumber		Downey Mildew	To control Downey mildew of cucurbits spray Metaloxy + Mancozeb @ 2.5 g/lit. Of water.
Winter Vegetables	Seed sowing	--	Start sowing of winter vegetable seeds in the nursery bed. Before sowing the seed bed should be treated with fungicide, (copper-oxychloride) @ 4gram/liter of water to avoid damping off disease.
Winter Vegetables	Vegetative	Pest	Management of winter vegetable pest at early vegetative stage sprays Chlorpyriphos 50% + Cypermethin 5% @ 1.5 ml/liter of water.
Vegetables Crops	Early Stage	Insects	To management of early stage vegetables crops from insect pest attacks apply Chlorantaniliprole 0.4%GR @ 10gram sqm for soil application on the seed bed.
Betel vine			To protect the Boroz from cold weather covered the Boroz with paddy straw.

Undulating Red and Laterite Zone

Crop	Stage	Problem	Advisory
Wheat	Crown Root Initiation	Weeds	Farmers are advised to remove the weeds by hand weeding before crown root initiation stage of the crop. When the crop at 20-25 days after sowing, apply 17.4 kg Urea per bigha followed by light irrigation.
Potato	Sprout development	Weeds	Farmers are advised to give light irrigation. If weeds are appeared in the field, remove the weeds by hand weeding.
	Vegetative	---	Farmers are advised to maintain the optimum

	stage		moisture content in the soil by giving light irrigation.
Mustard	Rosette stage	Weeds Mustard aphid	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 aphid pest multiplication. Spray Imidacloprid @1ml/1.5 lit of water
Cabbage/ Cauliflower	Vegetative stage/ Flower development	Aphid and Diamond backmoth	Spray Need Seed Kernal Extract solution @30ml/lit of water at clear weather condition.
General (NDVI, SPI)	Crop coverage is good and soil is moderately dry in condition for the district. No rainfall will occur and clear sky will be present for coming four days. Farmers are advised to maintain the optimum moisture content in the soil by giving light irrigation.		

Andaman & Nicobar Islands

For North and Middle Andaman

Crop/Livestock	Stage	Weather based agro advisories
Vegetable	Nursery	<ul style="list-style-type: none"> • Protect the vegetable nursery as continuous rain is expected.
Vegetable	All	<ul style="list-style-type: none"> • Make trenches in vegetable field to avoid stagnation of water.
Fodder	Planting	<ul style="list-style-type: none"> • Plant suitable fodder sapling in upland area as the soil condition is conducive.

For South Andaman

Crop/Livestock	Stage	Weather based agro advisories
Vegetable	Nursery	<ul style="list-style-type: none"> • Protect the vegetable nursery as continuous rain is expected.
Vegetable	All	<ul style="list-style-type: none"> • Make trenches in vegetable field to avoid stagnation of water.
Fodder	Planting	<ul style="list-style-type: none"> • Plant suitable fodder sapling in upland area as the soil condition is conducive.

For Nicobar

Crop/Livestock	Stage	Weather based agro advisories
Vegetable	All	<ul style="list-style-type: none"> • Make channels in home garden to drain out excess rain water.
Fodder	Planting	<ul style="list-style-type: none"> • Plant suitable fodder sapling in upland area as the soil condition is conducive.

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