

भारत सरकार

भारत मौसम बिज्ञान बिभाग

GOVERNMENT OF INDIA

INDIA METEOROLOGICAL DEPARTMENT

REGIONAL METEOROLOGICAL CENTRE, KOLKATA

WEEKLY WEATHER REPORT FOR WEST BENGAL, SIKKIM AND BAY OF BENGAL

FOR THE WEEK [(25<sup>th</sup> February to 03<sup>rd</sup> March 2010) (06<sup>th</sup> to 12<sup>th</sup> Phalguna 1931 SAKA)]

**SPECIAL FEATURE:-** Hailstorm occurred at Digha from northwesterly direction for 10 minutes from 1620 hours IST on 24<sup>th</sup> with maximum hail size of 4 cm.

**SYNOPTIC SITUATION & ASSOCIATED WEATHER:-**

A trough of low pressure on sea level was extended from Sub Himalayan West Bengal (SHWB) & Sikkim to Telengana across Gangetic West Bengal (GWB), Orissa & Chhattisgarh on 25<sup>th</sup>; from Bihar to Nagaland, Manipur, Mizoram & Tripura (NMMT) across central West Bengal & Bangladesh (BD) on 26<sup>th</sup>. It became less marked on 27<sup>th</sup>.

A cyclonic circulation (Cycir) lay over GWB & adjoining Jharkhand extending upto 0.9 km ASL on 25<sup>th</sup> morning; over BD & Tripura on 25<sup>th</sup> evening. It moved away east wards on 26<sup>th</sup>. An upper air trough was extended from North Bihar to Meghalaya across SHWB & BD extending upto 0.9 km above sea level (ASL) on 27<sup>th</sup>; from Bihar to Assam & Meghalaya across SHWB on 28<sup>th</sup>; from Bihar to NMMT across BD with a Cycir aloft over SHWB & Sikkim extending upto 0.9 km ASL on 1<sup>st</sup> march. The Cycir became less marked on 2<sup>nd</sup>. However a trough of low pressure on sea level was extended from Bihar to Orissa across Jharkhand on 2<sup>nd</sup>; from Bihar to North Coastal Orissa across GWB & Jharkhand on 3<sup>rd</sup>. The upper air trough from Bihar to NMMT had merged with the above trough on 2<sup>nd</sup>.

Under the influence of above synoptic situations, very light to light rain occurred at a few places with moderate to rather heavy falls at isolated places over GWB on 25<sup>th</sup>. Very light rain also occurred at isolated places over Sikkim on 25<sup>th</sup> & 27<sup>th</sup>. Moderate rain occurred at many places over Sikkim on 28<sup>th</sup>. Light rain occurred at isolated places over Darjeeling district on 28<sup>th</sup>. Very light to light rain occurred at many places with moderate rain at isolated places over SHWB & Sikkim on 2<sup>nd</sup>. Light to moderate rain occurred at many places with rather heavy falls at isolated places over Sikkim on 3<sup>rd</sup>. Very light rain also occurred at isolated places over Jalpaiguri district of SHWB on 3<sup>rd</sup>. Weather remained mainly dry over GWB and SHWB & Sikkim during rest days of the week.

Over GWB, minimum temperature was markedly above normal at a few places on 25<sup>th</sup>; appreciably to markedly above normal at many places on 1<sup>st</sup> March; appreciably above normal at a few places on 27<sup>th</sup> & 28<sup>th</sup>, at isolated places on 2<sup>nd</sup>; above to appreciably above normal at many places on 26<sup>th</sup> February & 3<sup>rd</sup> March. Over SHWB & Sikkim, it was appreciably above normal to markedly above normal at most places on 2<sup>nd</sup> March, at many places on 28<sup>th</sup>, 1<sup>st</sup> & 3<sup>rd</sup> March; appreciably to largely above normal at isolated places on 25<sup>th</sup>; above to appreciably above normal at a few places on 26<sup>th</sup> & 27<sup>th</sup> February. Over GWB, maximum temperature was appreciably to markedly above normal at many places on 1<sup>st</sup> to 3<sup>rd</sup> March. Over SHWB & Sikkim it was appreciably above normal at a few places with markedly above normal at isolated places on 3<sup>rd</sup>; markedly above normal at isolated places on 2<sup>nd</sup> and appreciably above normal at isolated places in SHWB with appreciably below normal at isolated places in Sikkim on 1<sup>st</sup> March.

Lowest minimum temperature of 12 degree Celsius was recorded at Bagdogra on 25<sup>th</sup> and highest maximum temperature of 39 degree Celsius was recorded at Bankura on 3<sup>rd</sup> March in the plains of the region during the week.

**CHIEF AMOUNTS OF RAINFALL in cm:-**

25<sup>th</sup>:- Digha 4; Barrackpore and Canning Town 2 each

28<sup>th</sup>:- Gangtok & Tadong 1 each

2<sup>nd</sup> March: - Gangtok & Tadong 3 each; Capan 1

3<sup>rd</sup>: - Tadong 6 & Gangtok 2 Rest days:- Nil.