

भारत सरकार

भारत मौसम विज्ञान विभाग

GOVERNMENT OF INDIA

INDIA METEOROLOGICAL DEPARTMENT

REGIONAL METEOROLOGICAL CENTRE, KOLKATA

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

FOR THE WEEK [(2<sup>nd</sup> to 8<sup>th</sup> September 2010) (11<sup>th</sup> to 17<sup>rd</sup> Bhadrapada 1932 SAKA)]

**SPECIAL FEATURE:-** South West (SW) monsoon was active over Sub-Himalayan West Bengal (SHWB) and Sikkim on 5th & 7th. It was active over Gangetic West Bengal (GWB) on 8th and subdued on 3rd to 5th. Over SHWB & Sikkim, heavy to very heavy falls occurred at isolated places on 5th; heavy rain also occurred at isolated places on 4th, 6th & 7th.

**SYNOPTIC SITUATION & ASSOCIATED WEATHER:-**

A cyclonic circulation (Cycir) lay over East Madhya Pradesh (MP) & adjoining areas extending upto 1.5 kilometers (km) above mean sea level (ASL) on 2nd morning. It became less marked on 2nd evening.

A Cycir lay over Orissa (ORS) and adjoining GWB extending upto 3.6 km ASL on 2nd. A low pressure area (LOPAR) formed over North West (NW) Bay & adjoining West Central (WC) Bay of Bengal with associated Cycir extending upto mid tropospheric level (MTL) tilting SW wards with height on 3rd. It persisted over WC Bay and adjoining NW Bay off South ORS and North Andhra coast with associated cycir extending upto MTL on 4th; over ORS and adjoining areas with associated Cycir extending upto MTL tilting SW-wards with height on 5th morning; over ORS with associated Cycir extending upto MTL tilting SW-wards with height on 5th evening; over ORS & adjoining areas with associated Cycir extending upto MTL tilting SW-wards with height on 6th & 7th morning; over Chhattisgarh (CHTG) & adjoining areas with associated Cycir extending upto MTL tilting SW-wards with height on 7th evening; over CHTG & adjoining Vidarbha with associated Cycir extending upto MTL on 8th morning; over East MP & neighbourhood with associated Cycir extending upto 3.6 km ASL on 8th evening.

Another Cycir lay over South East (SE) Bay of Bengal extending between 4.5 & 5.8 km ASL on 2nd morning.; over SE Bay and adjoining areas on 2nd evening. It became less marked on 3rd.

The axis of monsoon trough passed through Ganganagar, Delhi, Gwalior, Satna, Ambikapur, Jamshedpur, Balasore & thence to North Bay of Bengal on 2nd morning; through Bikaner, Jaipur, Jhansi, Umariya, Pendra, Jharsuguda, Bhubaneswar & thence to North Bay of Bengal on 2nd evening; through Amritsar, Hissar, Gwalior, Satna, Pendra, Kalingapattanam, centre of LOPAR, Balasore & thence to North Bay of Bengal on 3rd morning; through Jaisalmer, Jodhpur, Kota, Gwalior, Satna, Raipur, Kalingapattanam & thence to Centre of LOPAR on 3rd evening; through Anupgarh, Jaipur, Jhansi, Pendra, Titlagarh, Kalingapattanam and thence to centre of LOPAR and EC Bay of Bengal on 4th morning; through Ganganagar, Hissar, Gwalior, Sagaur, Raipur, Kalingapattanam & thence to North Andaman Sea across Centre of LOPAR & EC Bay on 4th evening; through Bikaner, Swikar, Agra, Satna, Ambikapur, centre of LOPAR and thence to EC Bay across NW Bay of Bengal on 5th morning; through Anupgarh, Churu, Gwalior, Satna, Pendra, centre of LOPAR & thence to EC Bay across NW Bay on 5th evening; through Bikaner, Swikar, Agra, Satna, Ambikapur, centre of LOPAR and thence to EC Bay across NW Bay on 6th morning; through Bikaner, Agra, Allahabad, Jharsuguda, centre of LOPAR, & thence to EC Bay across NW Bay of Bengal on 6th evening; through Bikaner, Pilani, Gwalior, Satna, Pendra, Gopalpur & thence to EC Bay across NW Bay of Bengal on 7th morning; through Bikaner, Jaipur, Guna, Sagaur, Jabbalpur, Centre of LOPAR, Puri & thence to EC Bay across NW Bay of Bengal on 7th evening; through Bikaner, Ajmer, Bhopal, centre of LOPAR, Titlagarh, Puri & thence to North Andaman Sea across NW Bay & EC Bay of Bengal on 8th morning; through Jaisalmer, Kota, Bhopal, centre of LOPAR, Raipur, Bhubaneswar & thence to North Andaman Sea across NW Bay & EC Bay of Bengal on 8th evening.

Under the influence of above synoptic situation rainfall occurred at most places on 4th, 5th & 7th; at many places on 2nd & 6th and at a few places on 3rd & 8th. Rain fall occurred at most places on 4th; at a few places on 8th, at isolated places on 6th and weather remained mainly dry on 2nd, 5th & 7th over Malda & North & South Dinajpur districts of SHWB. Rainfall occurred at most places on 8th; at many places on 6th; at a few places on 2nd, 5th & 7th and at isolated places on 3rd & 4th over GWB.

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

2<sup>nd</sup>: Sevoke – 6; Chepan- 5; Bagrakote, Diana & Buxaduar – 4 each; Gangtok, Kalimpong, Gazoldoba & Majitar 3 each; Mohanpur, Khanitar, Tadong & Neora 2 each; Canning, Basirhat, Phulberia, Darjeeling, Lava, Hasimara & Sukiapokhri 1 each.

3<sup>rd</sup>: Chepan, Neora & Nagrakata- 2 each; Bardhaman, Jalpaiguri, Champasari & Hasimara - 1 each.

4<sup>th</sup>: Hasimara-8, Chepan 5; Kumargram 4, Bagdogra, Falakata & Darjeeling 3 each; Lava, Sukhiapokhri, Gajoldoba, Domohani, Diana, Murti, Chepan, Barobhisa & Balurghat 2 each; Durgapur, Harinkhola, Krishnanagar, Damthang, Chungthung, Singlabazar, Champasari, Nagrakata & NH31 - 1 each.

5<sup>th</sup>: Jalpaiguri-21; Kumargram-11; NH31, Bagrakote-9 each; Champasari & Neora-7 each; Hasimara, 6; Sevoke & Domohani 5 each; Mangan 4; Buxaduar & Alipore(Kolkata) 3 each; Nagrakata, Murti, Falakata & Mazitar-2 each; Bagdogra, Gajoldoba, Diana, Chepan, Barobhisa & Asansol-1 each;

6<sup>th</sup>: Buxaduar 12; Bagdogra & Hasimara 6 each; Diana 4; Murti 3; Mangan, Gangtok, Domohani, Champasari, Nagrakata, Sriniketan, Bankura, Uluberia & Contai 2 each; Tadong, Damthang, DumDum, Alipore & Khusiary 1 each.

7<sup>th</sup>: Nagrakata -11; Diana – 7; Buxaduar, Murti & Neora - 6 each; Gangtok & Bagrakote – 4 each; Kumargram, Hasimara, Falakata, Champasari & Tadong – 3 each; Khanitar, Darjeeling, Sukiapokhri, Sevoke & Gazoldoba - 2 each; Chungthung, Domohani, Jalpaiguri, NH- 31, Chepan, Kalaikunda & Uluberia – 1 each

8<sup>th</sup>: Tilpara Barrage – 6; Suri & NH-31 – 5 each; Berhampore, Sriniketan, Gheropara, Nagrakata & Diana – 4 each; Suri, Kansabati Dam, Kharidwar, Purihansa, Coochbehar & Jalpaiguri – 3 each; Narayanpur, Bankura & Simulia – 2 each; Digha, Midnapore, Bardhaman, Durgapur, Harinkhola, Mohanpur, Neora & Domohani – 1 each.