



GOVERNMENT OF INDIA

भारत सरकार

INDIA METEOROLOGICAL DEPARTMENT

भारत मौसम विज्ञान विभाग

METEOROLOGICAL CENTRE, GANGTOK

मौसम विज्ञान केंद्र, गंगटोक

WEEKLY WEATHER REPORT FOR SIKKIM

FOR THE WEEK 09TH NOVEMBER' 2017 TO 15TH NOVEMBER' 2017

SYNOPTIC SITUATION


- ✚ **On 09TH NOVEMBER' 2017:** The low pressure area over south Andaman Sea & adjoining Malay peninsula now lies over southeast Bay of Bengal & neighbourhood. Associated cyclonic circulation extends upto 4.5 km above mean sea level. A cyclonic circulation between 3.1 & 5.8 km above mean sea level lies over Gulf of Mannar & neighbourhood. The cyclonic circulation over northeast Bay of Bengal and adjoining Bangladesh coast now lies over northeast Bay of Bengal and adjoining Bangladesh and extended upto 0.9 km above mean sea level. A fresh Western Disturbance as a trough in mid tropospheric levels at 3.1 km above mean sea level runs roughly along Long. 65° E to the north of Lat. 32°N. Light west north westerly surface winds (5-10 kmph) very likely to continue to prevail over plains of north India during next 24 hours.
- ✚ **On 10TH NOVEMBER' 2017:** The low pressure area over southwest & adjoining southeast Bay of Bengal now lies over southwest Bay of Bengal and neighbourhood. Associated cyclonic circulation extends upto 5.8 km above mean sea level. The Western Disturbance as a trough in mid tropospheric levels now seen as an upper air cyclonic circulation at 3.1 km above mean sea level over north Pakistan & neighbourhood. The surface winds are likely to become northerly to north westerly during next 48 hours over the plains of northwest India. It is likely to reduce the intensity and areal coverage of fog over northern plains during the same period.
- ✚ **On 11TH NOVEMBER' 2017:** The low pressure area over southwest Bay of Bengal and neighbourhood persists. Associated cyclonic circulation now extends upto 7.6 km above mean sea level. The Western Disturbance as an upper air cyclonic circulation at 3.1 km above mean sea level over north

Pakistan & neighbourhood now lies over north Pakistan and adjoining Jammu & Kashmir. A cyclonic circulation extending upto 1.5 km above mean sea level lies over southeast Arabian Sea and adjoining Kerala Coast.

✚ **On 12TH NOVEMBER' 2017:** The low pressure area over southwest Bay of Bengal and neighbourhood now lies over southwest Bay of Bengal and adjoining Sri Lanka & neighbourhood with associated cyclonic circulation extending upto 7.6 km above mean sea level. It is likely to become more marked during next 48 hours. The Western Disturbance as an upper air cyclonic circulation at 3.1 km above mean sea level over north Pakistan and adjoining Jammu & Kashmir persists. A fresh Western Disturbance as a trough in mid-tropospheric westerlies runs roughly along Long. 55.0°E to the north of Lat. 30.0°N. The cyclonic circulation over southeast Arabian Sea and adjoining Kerala Coast now lies over southeast Arabian Sea and adjoining Kerala- south Karnataka coast and extended upto 1.5 km above mean sea level.

✚ **On 13TH NOVEMBER' 2017:** The Western Disturbance as a trough in mid-tropospheric westerlies now seen as an upper air cyclonic circulation extending up to 5.8 km above mean sea level over western parts of Afghanistan and neighbourhood, with the trough aloft now running at 7.6 km above mean sea level roughly along Long. 62°E to the north of Lat. 26°N. An induced cyclonic circulation extending upto 1.5 km above mean sea level lies over central Pakistan and neighbourhood. The low pressure area over southwest Bay of Bengal and adjoining Sri Lanka & neighbourhood now lies as a well marked low pressure area over southwest Bay of Bengal and neighbourhood. Associated cyclonic circulation extends upto 7.6 km above mean sea level. The other Western Disturbance as an upper air cyclonic circulation at 3.1 km above mean sea level over north Pakistan and adjoining Jammu & Kashmir have moved away northeastwards.

✚ **On 14TH NOVEMBER' 2017:** The Western Disturbance as an upper air cyclonic circulation over Afghanistan & neighbourhood now lies over eastern parts of Afghanistan & neighbourhood and extended upto 7.6 km above mean sea level. The trough now runs roughly along Long.67°E to the north of Lat.23°N at 5.8 km above mean sea level. The induced cyclonic circulation extending upto 1.5 km above mean sea level over central Pakistan & adjoining West Rajasthan persists. The well marked low pressure area over southwest and adjoining westcentral Bay of Bengal & neighbourhood now lies over west central and adjoining southwest Bay of Bengal. Associated cyclonic circulation extends upto 7.6 km above mean sea level.

 **On 15TH NOVEMBER' 2017:** The Western Disturbance as an upper air cyclonic circulation over eastern parts of Afghanistan & neighbourhood extending upto 7.6 km above mean sea level persists. The trough roughly along Long. 67.0°E and north of Lat. 23.0°N at 5.8 km above mean sea level also persists. The induced cyclonic circulation extending upto 1.5 km above mean sea level over central Pakistan & adjoining West Rajasthan persists. The well marked low pressure area over west central and adjoining southwest Bay of Bengal and associated cyclonic circulation extending upto 7.6 km above mean sea level persists.

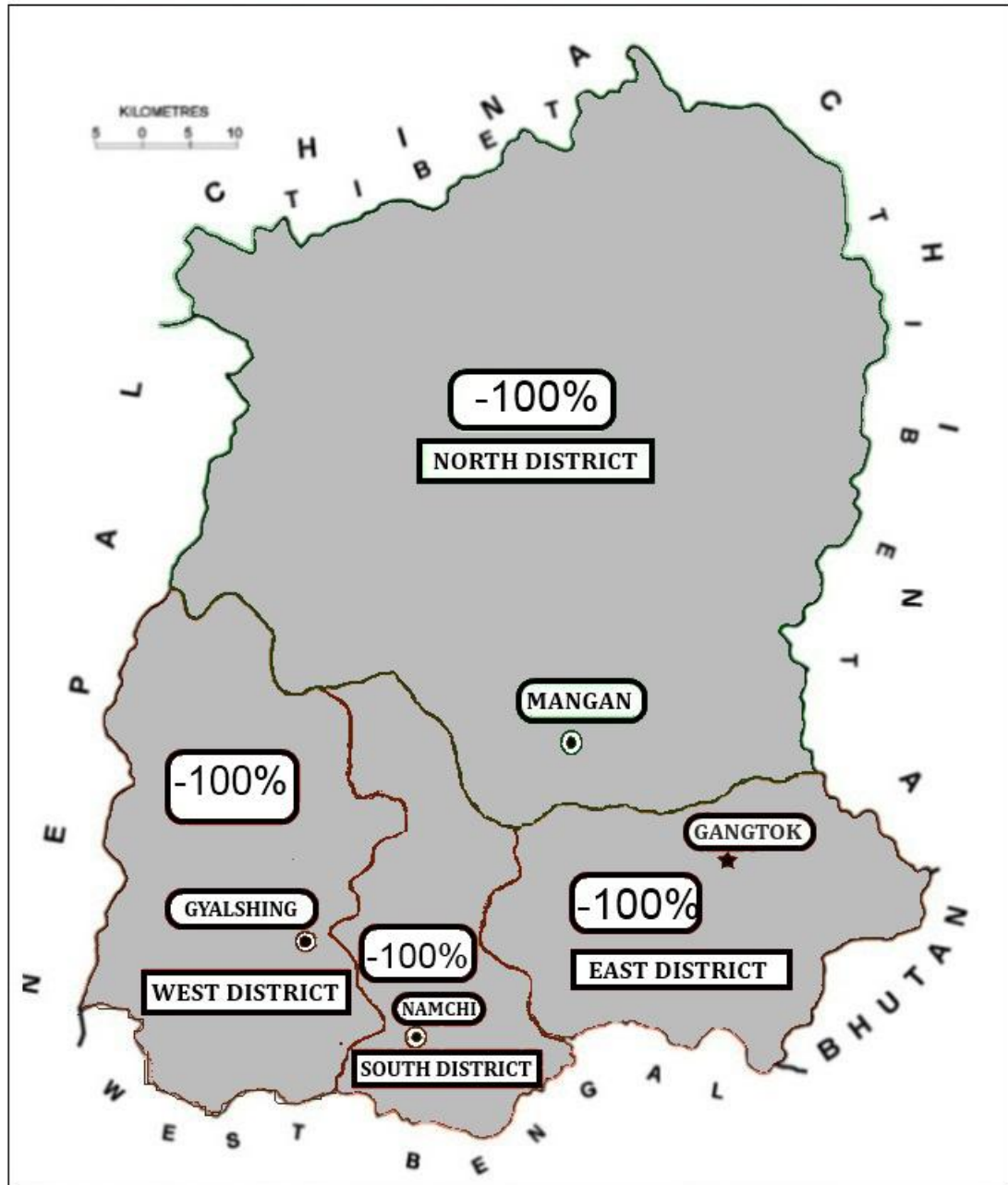
ASSOCIATED WEATHER

Under the influence of above mentioned synoptic situations, weather remained mainly dry during the week.

DISTRIBUTION OF RAINFALL OVER SIKKIM DURING LAST WEEK

09TH NOVEMBER' 2017 TO 15TH NOVEMBER' 2017

भारत मौसम विज्ञान विभाग INDIA METEOROLOGICAL DEPARTMENT



DISTRIBUTION OF RAINFALL OVER SIKKIM DURING THE PERIOD

01ST OCTOBER'2017 TO 15TH NOVEMBER'2017

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