

CLIMATOLOGICAL SUMMARY

Season	Max Temp (°C)		Min Temp (°C)		Rainfall (mm)	
	Gangtok	Tadong	Gangtok	Tadong	Gangtok	Tadong
Winter	13	17	05	08	0099	0083
Pre-Monsoon	20	24	12	14	0920	0820
Monsoon	22	27	17	19	2241	1920
Post-Monsoon	17	22	09	11	0231	0196
Annual	19	23	12	14	3491	3019



EXTREMES OF GANGTOK

- ❖ **Lowest minimum temperature** ever recorded was **-02.2 °C** in the month of **January 1956**.
- ❖ **Highest maximum temperature** ever recorded was **28.6 °C** on **10th August 1973**.
- ❖ **Highest rainfall** in 24 hours ever recorded was **310.0 mm** on **30th May 1975**.
- ❖ **Highest monthly rainfall** ever recorded was **1231.3 mm** in the month of **June 1997**.

SUBSIDIARY NETWORK



METEOROLOGICAL APPS

IMD (MoES) introduced the following meteorological apps for Android and iOS mobile users. (Available on play store & apple store).



दामिनी
बिजली चेतावनी



UMANG
Unified Mobile Application
for New-age Governance



मेधदत्त
डिजिटल कृषि अनुसंधान



MAUSAM
India Meteorological
Department

METEOROLOGICAL INSTRUMENTS



CONTACT US



Meteorological Centre, Baluwakhani, Raj Bhawan Area, Gangtok, Sikkim – 737103
मौसम विज्ञान केन्द्र, बलुवाखानी, राज भवन क्षेत्र, गंगटोक, सिक्किम – 737103



mc.gtk@imd.gov.in, gangtokmet@gmail.com



http://imdsikkim.gov.in



मौसम विज्ञान केन्द्र गंगटोक (Gangtok M.C.)



मौसम विज्ञान केन्द्र गंगटोक – IMD Gangtok (@IMD.Gangtok)



मौसम विज्ञान केन्द्र गंगटोक (@gangtokmet)



(P) 03592 – 203427/203429, (F) 03592 – 203427

GOVERNMENT OF INDIA

भारत सरकार



Meteorological Centre, Gangtok

मौसम विज्ञान केन्द्र, गंगटोक

Ministry of Earth Sciences

पृथ्वी विज्ञान मंत्रालय

India Meteorological Department

भारत मौसम विज्ञान विभाग

Meteorological Centre, Gangtok was established on 15th July 2003 after a series of events and developments commencing with the commissioning of the first Meteorological Observatory (M.O) of Sikkim in Raj Bhawan Area, Baluwakhani, Gangtok on 7th May 1955. Thereafter, another departmental observatory was established in 1978 at ICAR Complex, Tadong followed by an Agro-Meteorological Advisory Services Unit in the same year in Ladakhi Mansion, Baluwakhani to provide meteorological services for the progressive farmers of Sikkim. Later on, a Seismological Observatory was established on 23rd March 1999.



MANDATE

- ❖ To provide dedicated service to the state authorities, various stake holders and general public.
- ❖ To record meteorological observations and to provide weather forecast for optimum operation of weather-sensitive activities.
- ❖ To provide timely warning against severe weather phenomena like heavy rainfall, thunderstorm, hailstorm, squall, snowfall, cold waves, etc.
- ❖ To provide meteorological statistics required for agriculture, water resource management, industries, power sectors and other nation-building activities.
- ❖ To conduct and promote research in meteorology and allied disciplines.
- ❖ To record & transmit earthquake related information on priority basis.



WEATHER OBSERVATIONS

AWS

Synoptic

ARG

Current Weather

Observations

GPS - RS/RW

Pilot Balloon

Seismology

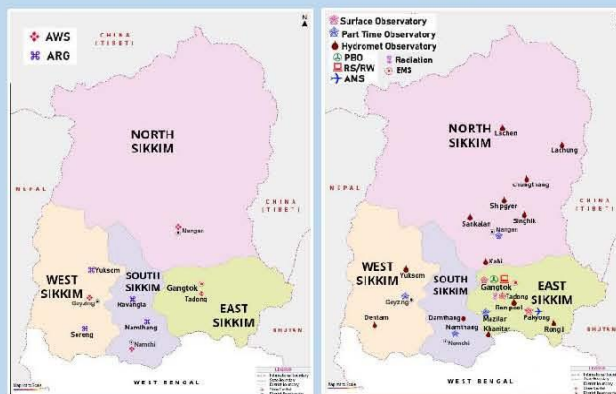
Radiation

FORECASTING SERVICES

- ❖ **Weather Forecast & Warning** for all the districts of Sikkim and the state as a whole.
- ❖ **Weather Forecast & Warning** for all the district Head Quarters of the state.
- ❖ **Tourism Forecast** for some important tourist destinations of the state.
- ❖ **En-route Forecast of Mansarovar Yatra** (through Nathula pass) to the pilgrims.
- ❖ **Nowcast** (Timely Weather Warning) for severe weather events on real time basis.
- ❖ **Bi-weekly District Agro-Meteorological Advisories** for farming community of Sikkim.
- ❖ **Special Weather Bulletin** for expected severe weather events.
- ❖ **Extended Range Forecast (Weekly)** for the state.
- ❖ **Impact Based Forecast.**
- ❖ **Forecast for capital city.**



OBSERVATORY NETWORK



RECENT DEVELOPMENTS

- ❖ An Upper Air Observational System based on GPS was installed on 5th May 2016.
- ❖ An Aeronautical Meteorological Station (AMS) was set up on 12th September 2018 to provide essential met services to Pakyong Greenfield Airport.
- ❖ Two numbers of Environmental Monitoring Systems viz. Sky-Radiometer and Black Carbon Aethalometer were installed in 2017 and 2019 respectively.
- ❖ A District Agro-Meteorological Unit (DAMU) was set up at KVK Ranipool in 2020 to extend the Agro-Meteorological Services to the farmers at block level.
- ❖ Publishing of Weekly Weather Review (in Regional language) on our official youtube channel.

FORECASTING TOOLS

NWP (NUMERICAL WEATHER PREDICTION)

WRF, UM for short range forecast

GFS, GEFS & MME for medium range forecast

MME (CFSV2) for extended range forecast



SURFACE & UPPER AIR



SATELLITE

