



**GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
INDIA METEOROLOGICAL DEPARTMENT
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PROGRESS REPORT FOR THE MONTH OF FEBRUARY' 2018

1. MAIN EVENTS:

- ✦ Dr. G. N. Raha, Sc-D attended the Advance Refresher Course on interpretation on NWP Products for Weather Forecasting Services during 12th to 16th February 2018 at Pune.
- ✦ Flight Operation at new Green Field Pakyong Airport, Pakyong, East Sikkim has started w.e.f 24.02.2017 and the necessary meteorological support for the same is being provided to the concerned AAI, Pakyong. First METAR was issued with the aid of Portable Sensor Kit and Wind Instruments on 24.02.2018. Consequently, TAF was issued by AMO Kolkata on the aforesaid date.

2. INTER DEPARTMENTAL CO-OPERATION:

This office is in constant touch with the following offices and data are passed to them:

- i) Food Security & Agriculture Development Department, Govt. of Sikkim.
- ii) Relief Commissioner, Govt. of Sikkim.
- iii) District Collectorate of four districts of Sikkim.
- iv) Spices Board of India (R & D), Gangtok.
- v) Geological Survey of India, Gangtok.
- vi) Sikkim State Disaster Management Department, Gangtok.
- vii) Various state and central govt. agencies.

3. WORKSHOP/ SEMINAR/ LECTURE:

- ✦ Dr. G. N. Raha, Sc-D and Shri R. K. Chhetri, SA have visited six numbers of Schools in Sikkim and delivered lectures on "Weather and Climate Change" for school students in Awareness Workshop/ Programmes organized by Sikkim State Council of Science and Technology, Govt of Sikkim during the period 23rd-26th February 2018.
- ✦ Dr. G. N. Raha, Sc-D attended a Workshop on Developing Disaster Resilience Action Plan for Gangtok on 6th February, 2018, at Gangtok organized by Integrated Research and Action for Development (IRADe) and North-Eastern Space Applications Centre (NESAC), with support from Ministry of Environment, Forests & Climate Change (MoEFCC) under National Mission on Himalayan Studies.

4. RESEARCH AND PUBLICATION:

- Nil.

5. SPECIAL SERVICES AND DATA SUPPLY:

Name of the Station	Revenue Earned (Rs.)	Remarks
Meteorological Centre, Gangtok	NIL	---

6. FORECASTING SERVICES:

A. AVIATION: NOT APPLICABLE

NAME OF THE STATION	STATION SCHEDULED FLIGHTS	NON SCHEDULED FLIGHTS	V.V.I.P. FLIGHTS	ORAL BRIEFING ROUTE FORECAST	AERODROME WARNING ISSUED (Thunder/lightning)
	Chart/(T3/T4)	Chart/(T3/T4)			

NON-AVIATION:

Legend	Passed on to	Total No. Issued
Daily Rainfall & Temperature data of five stations.	RMC Kolkata & DGM New Delhi by E-mail/ fax /over phone on real-time basis throughout the month. Daily synoptic and Pilot Data of MO Gangtok transmitted to MO Kolkata through E-mail.	28
Daily Met. data and Daily Weather Report of Sikkim and Local Weather Forecast for Gangtok and Tadong	(i) IMD Weather Channels through E-mail. (ii) AIR & PIB, Sikkim State Disaster Management Authority, (iii) NHPC Singtam, Radio Channel FM9, Nayuma (Local Channel) and (iv) Gushing Torrent International Pvt. Ltd. Gangtok for their English daily "The Daily Encounter Sikkim" during the month. (iv) Uploaded in IVRS (in English) and local website www.imdsikkim.gov.in	28 28 28 28 28
Forecast uploaded in the IMD websites viz. (i) http://www.imd.gov.in/ (ii) http://www.mausam.gov.in/ (iii) http://www.imdsikkim.gov.in/	(i) Local Weather condition. (ii) City weather forecast (for next five days) (iii) Bi-weekly District wise AAB for the four district of Sikkim. (iv) Monthly Extreme Weather events for Gangtok.	28 28 08 01
Verification for Value Added District Level Forecast	Weekly Verification of Value Added District Level Forecast during the month of February'2018 has been sent regularly to DDGM (Agrimet), Pune/ AAS, Kolkata.	01
Monthly maximum, minimum and rainfall data have been sent to DDGM (WF) Pune, for synoptic data monitoring	Monthly maximum & minimum Temperature and rainfall data for the month of February'2018 have been sent to DDGM (WF) Pune, for synoptic data monitoring	01

7. AGROMETEOROLOGICAL ADVISORY SERVICES:

Details of Bulletins issued:

Name of the station	No. of bulletin issued	No of bulletin sent to DDGM (Agrimet), Pune	Broadcast / Telecast of the State Composite Agromet bulletin & District Level Forecast
Meteorological Centre, Gangtok	08	08	Uploaded in the IMD websites viz. (i) http://www.imdagrimet.gov.in/ (ii) http://www.imdsikkim.gov.in/ & (iii) http://www.farmer.gov.in/

8. HYDROMETEOROLOGY:

A. FLOOD METEOROLOGY

- Weekly Hydromet data in respect of all the districts of Sikkim were sent to Agrimet, Pune regularly during the month of **February' 2018**.
- Weekly Rainfall Statistics in respect of all four districts of Sikkim sent to Sikkim State Disaster Management Authority, Gangtok, Agrimet, Pune, Food Security & Agriculture Development Department, Govt. of Sikkim regularly during the month of **February' 2018**.

B. SCRUTINY / Heavy Rainfall Analysis (HRA) / TABULATION of SRRG Chart:

Name of station / Unit	HRA		TABULATION	
	No of stations	Month(s)	No of stations	Month(s)
Meteorological Office, Gangtok	-	-	-	-
Meteorological Office, Tadong	-	-	-	-

9. RADAR METEOROLOGY: *NOT APPLICABLE*

DETAILS OF OBSERVATIONS RECORDED:

NAME OF STATIONS	OBSERVATIONS RECORDED	
	ROUTINE	SPECIAL
Meteorological Centre, Gangtok	-	-

10. SATELLITE METEOROLOGY:

A. CWDS: *NOT APPLICABLE*

B. DMDD:

Name of the Stations	Nos. of Pictures received
Meteorological Centre, Gangtok	Nil

* During the shifting of MC Gangtok from Ladakhi Mansion, Baluwakhani to the 3-rooms of Departmental Chummary accommodation at Raj Bhavan Area, the equipments viz. DMDD, IVRS, V-SAT etc had been stored at the spare rooms of Seismo Tadong and the same have not been reinstalled at Chummary accommodation due to scarcity of available space.

C. AWS / ARG:

Name of the Stations	Status
Gangtok (AWS)	Unserviceable since 18.06.2015.
Mangan (AWS)	Reception of data is very much irregular & Rainfall sensor U/S.
Namchi (AWS)	Unserviceable since 14.08.2016
Gyalshing (AWS)	Unserviceable since 08.07.2016; even after recent installation of new data logger, data is not being received through IMD website.
Ravangla (ARG)	Unserviceable since 08.08.2014
Namthang (ARG)	Unserviceable since 14.03.2015
Yuksom (ARG)	Unserviceable since 10.08.2014
Soreng (ARG)	Unserviceable since 21.01.2015

11. DATA MANAGEMENT AND INSPECTION:

A. DATA MANAGEMENT (Scrutiny / Tabulation/ Entry in PC):

Name of the station	Data Scrutinized			P.B. Flight sheets Checked	Data keyed in PC				Remarks
	MMR	Day summary	Autographic data		MMR	Days summary	Autographic data	Heavy R/F data in year	
Meteorological Office, Gangtok	December' 2017	Yes	Yes	Yes	Yes	Yes	Yes	-	Data sent in IDESK and MMR sent to RMC, Kol.
Meteorological Office, Tadong	-	-	-	-	No	No	No	-	Data sent in IDESK and MMR sent to RMC, Kol.
Part Time Observatory, Mangan	Received till Dec.'2017	N/A	N/A	N/A	Yes	N/A	N/A	N/A	MMR(s) of Sept. to Dec.'2017 sent to RMC Kolkata.
Part Time Observatory, Mazitar	Received till January'2018	N/A	N/A	N/A	Yes	N/A	N/A	N/A	MMR(s) of Oct.'17 to Jan.'18 sent to RMC Kolkata.
Part Time Observatory, Namthang	Received till January'2018	N/A	N/A	N/A	Yes	N/A	N/A	N/A	MMR(s) of Sept. to Dec.'2017 sent to RMC Kolkata.

B. INSPECTION:

- Two nos. of Departmental Observatory have been inspected during the month of February 2018.

12. OBSERVATIONAL ORGANIZATION:

A. DETAILS OF HIGHEST ASCENT (UPPER AIR):

STATION	ITEM	MAXIMUM HEIGHT	DATE AND TIME(UTC)	TOTAL NO. OF FLIGHT
Meteorological Centre, Gangtok	RS (GPS)	04.5 hPa (35674.9 gpm)	23.02.2018 (0000 UTC)	28
	PBO	03.10 Kms.	15.02.2018 (1200 UTC)	01

B. RADIATION: Radiation Instrument of M. O. Tadong is working satisfactorily w.e.f 05.06.2016.

C. SEISMOLOGY:

Name of the Station	No of shocks received
Seismological Centre, Gangtok	Analogue Seismometer is defunct since 24.01.2017.

13. PORT METEOROLOGY:

Ships visited by Port Met Office, Kolkata during the month: N/A

Foreign	Indian	Index correction card supplied	Barometer adjusted	Comparison of Barometer

14. VISITORS:

- NIL

(S. Lama, Met.-B),
For Director,
M. C. Gangtok.

M. C. Gangtok UO. No. MCPR-00101 (H)/

Dated: 06.03.2018.