



**GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
INDIA METEOROLOGICAL DEPARTMENT
METEOROLOGICAL CENTRE, RAJ BHAWAN AREA,
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PROGRESS REPORT FOR THE MONTH OF SEPTEMBER' 2018

1. MAIN EVENTS:

- Hindi Pakhwara / Diwas celebrated at M. C. Gangtok premises from 10.09.2018 to 14.09.2018. All Officer & Staff member participated in that program.
- Shri G. N. Raha attended the Co-ordination Cum Orientation meeting on Disaster Management on 25th September'2018 at Manan Bhawan, Gangtok.
- Shri Sanjoy Bhowal, S.A joined M. C. Gangtok on 12.09.2018 (F/N) on transfer from FMO Jalpaiguri.
- Shri Birendra Kumar, SA on tour to AMS Pakyong with effect from 12.09.2018.
- **Hon'ble PM of India inaugurated Pakyong Green Field Airport, East Sikkim on 24th September'2018.**

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:

- Nil.

4. RESEARCH AND PUBLICATION:

- Nil.

5. SPECIAL SERVICES AND DATA SUPPLY:

| Name of the Station | Revenue Earned (Rs.) | Remarks |
|-----------------------------------|----------------------|------------------|
| Meteorological Centre, Gangtok | 29,492/- | Met. data supply |

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. | 30 |
| 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 | 30 30 30 30 30 |
| 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. | 30 30 08 01 |
| Verification for Value Added District Level Forecast | Weekly Verification of Value Added District Level Forecast during the month of September'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 September'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 **September' 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 **September' 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 |

II. 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 | August' 2018 | 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 June'2018 | N/A | N/A | N/A | Yes | N/A | N/A | N/A | MMR(s) upto June'2018 has been sent to RMC Kolkata. |
| Part Time Observatory, Mazitar | Received till July'2018 | N/A | N/A | N/A | Yes | N/A | N/A | N/A | MMR(s) upto July'2018 has been sent to RMC Kolkata. |
| Part Time Observatory, Namthang | Received till July'2018 | N/A | N/A | N/A | Yes | N/A | N/A | N/A | MMR(s) upto June'2018 has been sent to RMC Kolkata. |

B. INSPECTION:

- NIL

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) | ---* | --- | --- |
| | PBO | ---* | --- | --- |

* No H₂ Gas at M. O. Gangtok.

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: 46 (Forty-six)

(S. Lama, Met.-B),
For Head, Meteorological Centre, Gangtok

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

Dated: 10.10.2018.