The Right To Information Act, 2005
India Meteorological Department

MANUAL-(VI)

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A Statement of the categories of documents that are held by it or under its control

The documents held by the Department can be classified in three broad categories:

1. Documents for operational services on general weather forecast, ∞aviation weather forecast, marine meteorology, agricultural meteorology, flood meteorology, cyclone warning and seismological services.
2. Technical documents related to satellite meteorology, upper-air instruments, telecommunication, surface meteorological instruments including agricultural observations, radio meteorology/ environmental monitoring equipments and seismological instruments.
3. Administrative documents on general administration, financial and fundamental procedures.

List of technical documents

List of technical documents Related to Agricultural Meteorology division for the use in Information Manual compiled for the right to Information Act, 2005

Sr.No	Name of the publication/Document	Year of publication
1	Weekly rainfall probabilities for selected stations in India, Vol. I & II	1995
2	Crop weather calendar of Tamil Nadu	1993
3	Crop weather calendar of Rajasthan	2002
4	Crop weather calendar of Himachal Pradesh	2002
5	Crop weather calendar of Assam	2002
6	Crop weather calendar of Gujarat	2002

7	Crop weather calendar of Andhra Pradesh	2002
8	Crop weather calendar of Kerala	2000
9	Crop weather calendar of Karnataka	2003
10	Crop weather calendar of Orissa	2002
11	Crop weather calendar of West Bengal	2003
12	Crop weather calendar of Maharashtra	2003
13	Evaporation of data of observatories in India	1985
14	Weekly PET over India	1992
15	Dew deposition over India	1991
16	Normals of Agroclimatic Observatories in India	1991
17	Evaporation m,aps of India	1991
18	Agroclimatic atlas of India	1991
19	Evapotranspiration observations	1999
To 52	For 34 stations- Canning, Raipur, Shyamkuntha, bhubaneshwar, Rahuri, Parbhani, Anakampalle, Solapur, Rajamundry, Bellary, Bangalore, Coi mbatore, Ludhiana, New Delhi, Jorhat, Bikramganj, Banswara, Ranchi, Rajkot, Kovilpatti, Pantnagar, Hissar, Dharwad, Jhansi, Rajendranagar & ICRISAT, Nellore & Tirupati, Jodhpur & Durgapur, Varanasi & Lucknow, Jabalpur & Bhopal, Anand & Dantiwada)	
53	Agromet Advisory Services Bulletin (Bilingual, comprehensive & All India)	Weekly/Biweekly

List of technical document

Departmental telecommunication Network January, 2006

1. Low Speed Links
2. Telex
3. RT
4. MDD
5. RIR

6. TELEFAX
7. CCTV/IVR
8. VHF
9. VSAT
10. Website / E-Mail Address
11. Internal Links

EMU UNIT

List of Documents:

1. Sky radiometer/POM-01
   User Manual

DDGM(SI),Pune

I.S.CIRCULARS'LIST

S.No.	Circular No.	Description
1.	1	General instructions for the care and maintenance of self-recording instruments
2.	2.	Barograph
3	3	Thermograph
4	4	The Dines Pressure Tube Anemograph
5	5	Kew Pattern Station Barometer
6	5	Natural Syphon Recording Raingauge
7	7	Hair hygrograph
8	9	Digital precision aneroid barometer(P.A.B)
9	10	Rain-gauge, non—recording
10	12	Measurement of snow-fall
11	13	Snow gauge (203 mm)
12	14	Earth thermometer
13	16	Sunshine recorder
14	17	Assmann Psychrometer (700 mb)
15	17	Assmann psychrometer (1000 mb)
16	18	Grass minimum thermometer
17	20	Comparison of barometers

18	21	Fortin's barometer
19	23	Kew Pattern Marine Barometer
20	25	Whirling psychrometer (Ship)
21	25	Whirling psychrometer (1000 mb)
22	26	Whirling psychrometer (900 mb)
23	29	Windvane mk II
24	30	Cup Counter Anemometer Mk II
25	33	Instructions for erecting thermometer screen
26	34	Cloud searchlight,alidade and clinomometer
27	35	Mobile observatory kit box , mk II
28	42	Distant indicating win d equipment
29	42 A	Distance indicating wind equipment Model: DIWE 2000(with digital display)
30	43	Electrical anemograph
31	45	Moll-Gorczynski pyranometer (solarimeter)
32	45 A	Measurement of diffuse solar(sky) radiation
33	46	Belliani spherical pyranometer
34	47A	Angstrom turbidity co-efficient
35	47B	Thermoelectric pyraheliometer with heliostat
36	48	Angstrom Pyrgeometer
37	50	Bimetallic pyranograph
38	51	Instructions for tabulation of hourly values of speed,. Direction and gustiness of wind from pressure tube anemograph
39	52	Tabulation of rainfall from intensity recorder
40	53	Instructions for tabulation of hourly values of pressure ,temperature , relative humidity and rainfall from autographic records
41	54	Instructions for tabulation of hourly values of sunshine
42	55	For giving short marks on roll charts and tabulation of hourly values from them
43	57	Current weather instrument system
44	61	Replacing clock drums of self recording instruments
45	64	Open Pan Evaporimeter
46	68	Airmeter and portable windvane
47	86	The Met. Asst. (at the ATC tower)- for the use of weather instrument
48	86 A	Standard operating procedures for Airport Meteorological instruments

49	86 B	Instructions for manual RVR observations
50	94	Corner type radar target
51	95	Radiometer sonde
52	98	Vollz sunphotometer
53	103	Surface ozone recorder
54	111	Potential Gradiant Recorder

Seismological technical documents

1. Seismology Bulletins
(a monthly bulletin containing seismic data from Seismological Observatories in Indian)
2. Technical document on studies carried out for significant earthquakes in India as following.

a) Latur earthquake of 30th September, 1993 and its aftershocks (consolidated document)
b) Jabalpur earthquake of 22nd May, 1997 and its aftershocks (a consolidated document)
c) Chamoli earthquake of 29th March, 1999 and its aftershocks (a consolidated document)
d) Bhuj earthquake of 26th January, 2001 (a consolidated document)
e) Technical report of the Inter-institutional Working Group on the Great Tsunami of 26th December, 2004 in Sumatra Region.

Weather Radar Document

The following manuals related to theory and operation of weather Radar are available in Radar Lab

1. Weather Radar Observation manual Volume-I

2. Weather Radar Observation manual Volume-II

3. Doppler Weather Radar

List of MoUs of IMD with other countries

S.No	MoU between	Signing Date	Valid Upto	Main Points	Remarks
1.	National Centre of Meteorology, UAE and MoES		5 Years	• To develop scientific and technical cooperation in Meteorological and Seismology to enhance friendly relations • Sharing of knowledge, data and operational products in respect of Radar, Satellite, Tide gauges, Seismic • Exchange of experience/Visits in term of Scientists, Research scholars for purpose of training, research etc • Organization of workshops/seminars and training courses • Deployment of Met observation networks up on mutual agreement over Ocean waters.	Capacity building activities has been done in the past of UAE officials through Cyclone forecasters training (normally in the month of April every year). This year it was conducted on 3rd to 13th April-2023. Apart from it model derived extended rainfall & wind products, weekly (on Thursday) information over UAE region.
2.	Licence agreement EUMETSAT (European Organization for the exploitation of Meteorological Satellites) and IMD	04.08.2020	01.10.2020 TO 30.09.2023	The purpose of this agreement is to define the conditions under which IMD may use non-essential data and products generated by EUMETSAT's geostationary Meteosat Satellites and its polar-orbiting Metop satellites.	Under this agreement of IMD, NCMRWF is getting data through terrestrial link which is than assimilated in NWP model of forecasting.

3	Qatar and MoES	25.03.2015	Automatic renewal after every 5 years unless either party gives notice for discontinuation	• Sharing of knowledge, data and operational products • Exchange of experience/Visits in term of Scientists, Research scholars for purpose of training, research etc • Organization of workshops/seminars and training courses • Exchange of scientific documentation	Under this agreement extended rainfall & wind products, weekly (on Thursday of every week) information over UAE region. The officials of Qatar is also participated in Capacity building activities through cyclone forecaster training course (normally April month every year)
4.	Nigeria Met Dept (NiMET) and IMD	02.03.2023	Valid for an initial period of two calendar years effective from the date of execution and may be renewed thereafter on terms mutually agreed upon by both parties	Jointly work together to provide WMO Standard in the following areas: • Numerical Weather Prediction Capability. • Meteorological Sensor Designing. • Satellite Meteorology. • Scientific research on meteorology and its applications in various sectors. • Nowcasting and Early warning capabilities • Capacity building activities	IMD will provide the guidance of various forecasting activities and numerical weather prediction activities under this agreement. IMD will provide the technical guidance regarding AWS/ARG or other meteorological instruments
5.	WMO And IMD (MTI Pune)	31.05.2023		Regarding hosting of WMO certified trainings/courses at Meteorological Training Institute, Pune	Through this agreement IMD will now able to provide the training to foreign nationals at par with the other WMO recognised centres and will develop mechanism to provide the fellowships to

					LD countries.
6.	**IMD and** United Nations Development Program (UNDP)	Likely to be sign on 19th June-2023		On Strengthening of Knowledge Partnership for Weather Information Services and cooperation for following activities: • Provide support in identifying stakeholders and building collaboration in the different states of India for weather and climate related information; • Provide technical support required for establishing automated weather station, flow of climate information and tailored climate services in an understandable format and therefore accessible to the desired stakeholders; • Support in fostering Institutional network created for climate information flow at block, district, state and central level. • Provide technical support in demonstrating use of climate information flow to support resilience building activities at Gram Panchayats level. • Cooperate to provide technical support in understanding weather forecast and related information.	This initiate will help to provide concise and need based weather & climate information to the end users up to the block level. The farmers up to block and panchayat level will also be benefitted with this customized weather information, which will further help them to re-organize their activities.