



Annual Performance Report 2013
Department of Meteorology
Ministry of Disaster Management

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1. Introduction

1.2 Background

Meteorological observations were started in 1867 under the Department of Survey and in the year 1909 it was reestablished in the present premises as the Colombo observatory and thereafter converted into a separate independent department in 1948

1.3 Functions

The following major functions are accomplished by the department as the government statutory body for providing Meteorology and climatology related services.

1. Maintenance of Climatological data systems
2. Provision of data/ information to the public, various institutions, and to world weather observation networks
3. Provision of aero meteorological information for aviation services
4. Dissemination of early warning and instructions on Tsunami and other unfavorable weather conditions
5. Raising awareness of the Public on the subject field and provision of instructions and equipment where necessary
6. Conducting research related to the field and provision of scientific services to the researchers
7. Provision of limited services related to astronomy and geo magnetism

The meteorological department which is a member of the world meteorological Organization provides all the above services in conformity with the WMO and ICAO standards.

1.3 Institutional Structure

The Department is administered by a Director General and consists of 05 major divisions which are administered by 05 directors with 11 sub divisions affiliated to it.

In addition to the headquarters, 22 regional meteorological centers, 36 automated meteorological observation centers, 35 agro meteorological centers and 400 rain gauge centers are conducted by the Department for the purpose of obtaining data.

1.4 Responsibilities of main Divisions

Serial Number	Main Division	Sub - Division	Responsibilities
01	Observation network and equipment	1.1 Equipment Division	Cleaning up and maintaining meteorology equipment; assisting in carpentry and technical matters and exhibition activities.
		1.2 Electricity and Electronic Maintenance Division	Repairing electric and electronic equipment, maintaining equipment of the automated meteorology centers.
		1.3 Radar, Radiosonde Division	Observation of upper atmosphere, data management, preservation and providing data to outside parties.
		1.4 Regional Meteorology Centers	
02	Data processing and Archiving	2.1 Data Division	Administering and preserving data position of the machines that schedule data continuously and providing data to outside parties.
		2.2 Climatology Division	Coordination and management of Regional Centers, administering climate and space related data and preserving data.
		2.3 Rainfall Division	Coordinating Rainfall Centers, data management, preservation and provision of data to outside parties.
		2.4 Agricultural Climatology Division	Management of Agricultural climatology network, data management, preservation and providing data to outside parties.
		2.5 Computer Division	Uploading climatic and weather data, supplying past data, data management, protecting data and providing data to outside parties.

03	Forecasting and Decision making	3.1 National Meteorological and Disaster Forecast Centre	Observing data of the atmosphere, drawing meteorological observation diagrams, analyzing and making weather forecasts accordingly, pointing out due observation that should take place in relation to earth tremors and tsunami; pointing out the damage whenever necessary and give instructions, maintaining and updating of the website of the Department and engaging in providing information service on climate and weather.
		3.2 Communication Division	Collecting meteorological observations; communication and signals and making disaster forecasts
		3.3 Airport Meteorological stations	
04	Analysis training and development	4.1 Analytical Division	Conducting meteorological and climatic analysis.
05	Administration and Finance	5.1 Establishment Division	Establishment duties related to cadre
		5.2 Finance Division	Duties connected with finance matters
		5.3 Supplies Division	Supply, storage and distribution.
		5.4 Special Supplies Division	Foreign procurement transaction
		5.5 Transport Division	Vehicle maintenance and transport duties.
		5.6 Buildings Division	Construction of necessary buildings for the Department

2. Performance

2.1 Maintenance and Archival of Climatological data systems

2.1.1 Collection and maintenance of data

The atmospheric conditions surrounding a certain place of the atmosphere affects the climatic conditions of the particular place. Therefore, when studies are conducted on climatic conditions, it is not sufficient to observe the atmosphere of the particular place alone. Therefore observations done in and around the atmosphere should also be considered. The World Meteorological Organization has specifically declared the equipments that should be used to obtain meteorological information by all the countries and their standards and the specific times on which observations should be obtained since observations made by other countries are also important and are utilized for meteorological analysis. All the countries that have entered into agreement with the WMO conduct their observations in accordance with the said standards. As a result of this methodology, it is possible for the countries to comparatively analyze the observations of any other country in order to get to better decisions. Accordingly, observations are conducted by Sri Lanka in conformity with the technical instructions, conditions and the standards specified by the World Meteorological Organization.

Meteorological observations conducted by the department

- i. Surface observation- Ground level and surface observations
- ii. Air observation -Observations done up to 20 km from the ground level to the upper atmosphere

2.1.1.1 Surface Observation

2.1.1.1.1 Surface Observations

In surface observations, meteorological parameters like rainfall, pressure, temperature, humidity, wind speed and direction, visibility, types and amount of clouds are observed.

These observations are obtained by the stations situated at Anuradapura, Baticolo, Trincomalee, Polonnaruwa, Puttalam, Nuwara eliya, Rathnapura, Rathmalana, Colombo and Hambantota at 0000,0300,0600,0900,1200,1500,1800,2100 hours UTC each day and these observation related data are immediately transmitted to the telecommunication unit of the Colombo headquarters, Forecasting and National Meteorological Centre and to the airport meteorological stations in view of issuing these information to the Regional Centre situated in New Delhi to be transmitted to other countries worldwide. In addition, observations are provided in the above manner at 0000,0300,0600,0900,1200 and 1500 hours UTC by the centres situated at Jaffna, Vawuniya, Potuvil, Mahailuppallama, Mannar, Badulla, Bandarawela, Moneragala and Kurunegala. Accordingly the number of surface observations conducted annually is 59411.

2.1.1.1.2 Rainfall related information

The network of rain gauge stations established throughout the island for the purpose of collecting rainfall related data comprises of 483 rain gauge stations. Out of that, data are regularly obtained from 387 stations throughout the year. These stations are maintained in collaboration with government and non-governmental institutions and many voluntary observers. Rainfall is measured daily at 08.30 hours at these stations and the daily rainfall report is obtained by the Department at the end of the month for processing. Data from 190 stations selected island wide are obtained daily by telephone to be used for weather forecasting purposes. 26 new rain gauge stations were established in the year 2013 and 47 stations were refurbished.

2.1.1.1.3 Agro Meteorological Data

Major Meteorological observations obtained from depths below the surface are the parameters of temperature and the wetness of soil at 5, 10, 20 and 30cm depths and the grass temperature. These data are not utilized for weather forecasting and they are utilized for agro meteorological purposes. 35 agro meteorological centres to which a limited number of equipment and other technical information and advice are provided by the Department, have been established island wide and each day readings are obtained at 8.30 and 5.30 by the institutions that maintain these stations and these data are sent to the Meteorological department for the purpose of maintaining data systems.

Parameters like minimum and maximum temperatures, evaporation, sunshine duration, wind speed and wind direction and rainfall are measured daily at agro meteorological stations and information are issued to the Meteorological Department. All these information have been obtained and protected in the year 2013 too and they are issued to the Food and Agriculture Organization for further analysis purposes of meteorological data related to weekly rainfall, cumulative rainfall in Yala and Maha seasons and the difference between the normal rainfall and the actual rainfall.

2.1.1.1.4 Data related to the sea

In addition to this, although it is required to observe the differences occurring in tide heights of the sea around the island throughout the year, usually calculations of assumed figures are done related to the tide heights in each of the places around the island during the present year, using the relevant data issued by India for the previous year. Accordingly assumptions are done to decide whether tide heights have contributed towards the rise of sea water level and whether storms are likely to occur. In accordance with this, the possible tide heights in the sea around the island during the year 2013 are calculated at the beginning of the year 2013 using the observations done by India for the year 2012.

2.1.1.2 Air Observation

The observations obtained in relation to the parameters of pressure, temperature, comparative humidity, wind speed and direction in different heights of the upper atmosphere up to 20 kilometers from the surface level are named as upper atmospheric observations. In Colombo, observations are obtained twice a week at 0600 hours UTC using the Radiosonde equipment. The number of Radiosonde observations obtained within the year 2013 is 106. The wind speed



and direction are calculated utilizing the pilot balloon observations on the occasions where the radar observations are cancelled due to technical or other reasons.

The wind speed and the direction are observed at 0000/0600 and 1200 hours UTC by using the pilot balloons in Mannar, Hambantota, Colombo and Polonnaruwa stations. The number of Pilot balloon observations done in Colombo and the other stations mentioned above during the last year was 920, 1064, 1018, 649 respectively.

2.1.2. Archival of data systems

The data received from the meteorological centers, agro meteorological centers and rain gauge stations are subjected to a second inspection in the Colombo headquarters and when there is doubt related to the accuracy, these data are reinvestigated and rectified. The data are examined as daily inspections and monthly review inspections and they are protected assuring the maximum accuracy.

The number of Pluviographs, Thermographs, Hygrographs, Barographs, Sunshine Cards, RF Intensity Sheets, received for inspection during the year 2013 are 7200, 7350, 7325, 1670, 210 and 252 respectively. The number of monthly review reports received for inspection is 273.

Preparation of soft copies and protection of these data was successfully carried out using the Climsoft software. Computerization of data was conducted daily. In the year

2013, it has been able to protect the printed copies systematically by establishing a record room with modern facilities.

2.1.3 Supply of data

Past data related to meteorology are demanded by undergraduates, school children and individuals who conduct various studies, Insurance corporations and construction companies and as per the amount of data requested, and they are issued within a period of 01 to 07 days. Data with a limited financial value are provided to government institutions free of charge and data are issued as certified and uncertified data.

12 Detailed reports of weather conditions which prevailed during the two nearest months, 122 reports with detailed explanations of weather conditions that prevailed on each date, 100 certified data reports and 112 non certified data reports have been sold and 79 data reports have been issued free of charge. The projected revenue for the year 2013 through the sale of data was Rs.6, 500, 00 whereas the department was able to generate revenue of Rs.9, 446,633 through the sale of data within the said year.

2.2. Provision of information to the general public, various institutions, communities related to various industries and to world meteorological observation networks

2.2.1 Information daily provided to the public

National Meteorological center provides forecasts on the weather conditions of the island at 0500am, 1200pm and 0400 pm and forecasts on the conditions of the sea for the ensuing 24 hours including the forecasts on rain, wind and thunder at 0500 am and twelve noon through printed and audio visual media.

The number of daily weather forecasts issued annually is 1095. Information was provided for 4223 inquiries made by the media. This information was provided through the web site www.meteo.gov.lk.

Weather conditions of 10 major cities of the island are provided to the printed, audio and visual media and to the internet at 0400 pm every day and 365 such reports have been issued throughout the year.

2.2.2 Information provided to various institutions and the communities related to various industries.

Inquiries are made on weather conditions by the fishing community, construction companies, tourist hotels, shipping corporations, three armed forces and the police. In view of the decisions that are taken related to their duties, such information are provided without a delay. 1238 such inquiries were made by commercial institutions and 730 inquiries by the fishing community in the year 2013 and all such inquiries have been responded with the necessary information. Climatological evidence which are important to prove or reject arguments in judicial proceedings has to be provided based on particular dates on which relevant cases have happened. In the year 2013, evidence was provided for 02 such judicial matters.

122 weather reports were issued in the year 2013 for obtaining insurance entitlements related to damages that happen in the construction industry and owing to lightning and thunder. As a result, opportunities are immediately provided for interviews and meteorological information are provided when interviews are requested by various media institutions. 35 such interviews were provided with in the last year.

2.2.3 Provision of data to Global Climate observation System

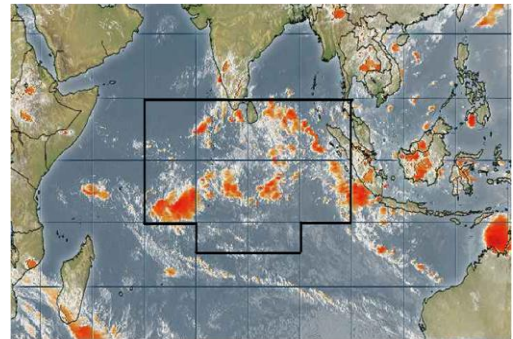
National and regional meteorological data are obtained by the meteorological communication center situated at the National meteorological center. These data are obtained as numerical data, satellite images and Numerical Model Outputs.

Domestic meteorological information is obtained at 0000, 0300, 0600, 0900, 1200, 1500, 1800 and 2100hours UTC and a selected collection of data out of that is transmitted to the Regional office in New Delhi to be transmitted to the world meteorological centers. This task was continuously done within the last year.

2.3 Provision of aeronautical information for aviation services and naval services

2.3.1 Provision of aeronautical information for aviation services

The pilot should definitely be aware of the favorable and unfavorable weather conditions prevailing in the air route that can create a positive or negative impact on the journey prior to starting the flight. It is compulsory to hand over a TAF report including all the meteorological information obtained from all the airports within the route referring to the wind, temperature, pressure and clouds that are likely to obstruct the journey. These must be provided to the pilot 03 hours prior to the journey in view of assuring the maximum safety of the journey. In addition, METAR observations which are obtained every half an hour and SIGMET reports on special meteorological conditions should be obtained when necessary. These data and information are issued in accordance with the standards of the ICAO-International civil aviation authority and the World meteorological Organization.



2.3.1.1 Katunayaka Airport

Meteorological station situated in the Katunayake Airport has provided 1460 TAF reports, 17194 METAR reports, 134 SIGMET reports and 56 Aerodrome Warnings for the flights that fly through the Colombo Flight Information Region and that are operated using the Katunayaka airport

2.3.1.2 Mattala Airport

Mattala International Airport started its aviation activities in the beginning of 2013. Its meteorological station was started in mid-March 2013. TAF and METAR reports are issued there and SIGMET reports are issued by the Katunayake Airport. 1080 TAF reports and 12960 METAR reports have been issued by this meteorological station.

2.3.1.3 Rathmalana Airport

Major tasks accomplished by this station are to provide meteorological information required for domestic flights operated by the Rathmalana Airport and to carry out the meteorological observations which are required to be conducted daily. Rathmalana Airport meteorological station obtains meteorological information issued by the Katunayake Airport meteorological station and provides them to the Sri Lanka Air force and other domestic aviation institutes. 1460 such TAF reports, 8265 METAR reports and 210 SPECI reports have been issued by the Rathmalana station during the year 2013.

METAR observations are done from 05.30 am to 6.30pm only.

2.3.1.4 Other services

The department also undertakes the duty of issuing meteorological forecasts required for parachute practices conducted by the Sri Lankan Army. 10320 such forecasts have been issued by the Katunayake Airport meteorological station within the year 2013.

2.3.2 Provision of meteorological services for naval purposes

2.3.2.1 Shipping Report on the meteorological conditions of the sea area around Sri Lanka

These reports are issued every day at 1000am and 0400pm to the Navy by Colombo radio and to the Navy headquarters and the naval bases in Trincomalee and Galle by fax and e mail. The number of shipping reports issued during the year 2013 was 730.



2.3.2.2 Fleet Forecast

These reports are issued at 0600am and 0430pm to the aforementioned institutions using the said technology every day. In addition to that, information are provided to the coast conservation department as well. 730 such reports have been issued last year.

2.4 Dissemination of early warning and instructions on Tsunami and other Extreme weather conditions

2.4.1 Early warnings on Tsunami

Tsunami early warnings are issued to the general public and the relevant institutions in collaboration with related centres like CISN, PTWC, JMA, RTSP, INCOIS, JTWES and INATEWS which pay keen attention to Tsunami and earth tremors which to occur in areas around Sri Lanka. No Tsunamis occurred in Indian Ocean during the last year.

2.4.2 Announcements of bad weather conditions

When there are tendencies for weather conditions like heavy rains, thunder storms, heavy winds and tornados to occur , announcements are made through printed and audio visual media and fax or e mail messages are sent to all or relevant or district secretaries, Disaster Management centre, three armed forces and police signal divisions ,Presidential secretariat, Prime Minister's office, Ministry of Fisheries, ships(through Colombo radio),national water resources research institute ,Master divers coast guard units and external meteorological stations in the areas which are likely to be affected. 78 such reports on bad weather conditions have been issued during last year.

2.5 Raising awareness of the Public on the subject and provision of instructions and equipment where necessary

2.5.1 Awareness programmes for the general public

People are made aware by providing knowledge to the visitors to the headquarters, conducting awareness programmes in outside areas, participating in conferences and Deyata kirula programme.

2.5.1.1 Awareness for the visitors to the headquarters

.School children, students of higher education institutes and officers from security divisions regularly pay visits to the department in view of obtaining knowledge related to the activities of the Department.

Such groups are enlightened by the meteorological observers by giving introductions on meteorology, conducting lectures on the utilization of meteorological equipment etc. as required by the relevant group, giving opportunities for the visitors to practically do experiments using equipment and taking observations. During the last year 173 groups of school children; 20967 students visited the department.715 students arrived from 10 higher education institutes,512 officers from the security divisions arrived as 18 groups and 389 individuals from government and private institutions and various other organizations arrived at the department in 13 groups.

2.5.1.2 conducting regional programs

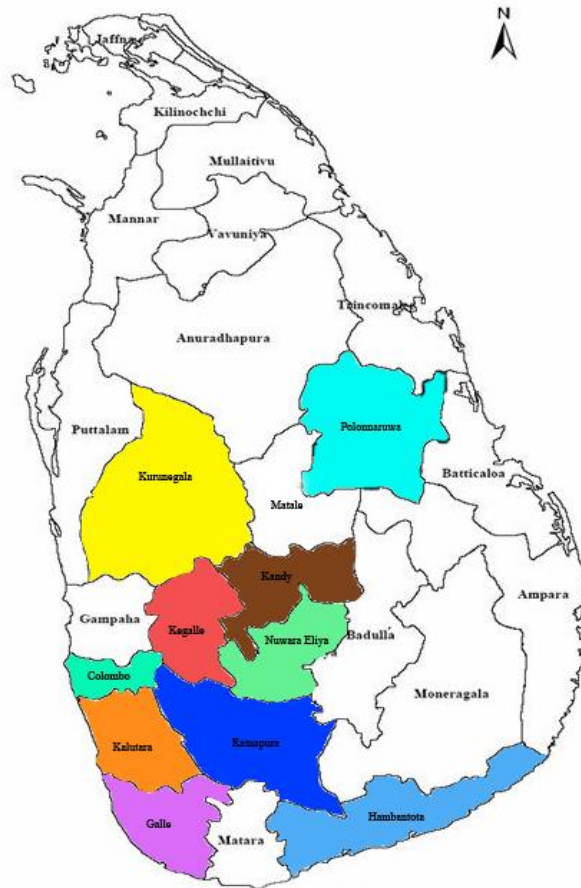
Programmes are organized through divisional secretaries in the relevant areas and the workshops are conducted by the staff of the department and the guest lecturers. It is expected to raise awareness in people in view of creating early preparedness which will help them to minimize damages.

Workshops conducted in 2013

Se. nu.	District	Locations of workshops
1.	Kandy	Hilwood college (2workshops) Ranasinghe Premadasa college Minipe, Divisional Secretariat -Minipe, Youth corps gampala
2	Rathnapura	Divisional Secretariats of Eheliyagoda, Pelmadulla, Kiriella, Opanayake, godakawela, Balangoda, Godigamuwa and Rathnapura and GN divisions of Kospelawinna and Durekanda and Sabaragamuwa provincial council office
3	Kalutara	Dodamgoda (2workshops), Horana (2workshops) Divisional secretariats of Bandaragama, Millaniya, Madurawala, Palinda nuwara, Agalawatta, Bulathsinhala, Ingiriya, Walallawita and Mathugama, Kalutara district secretariat representing the divisional secretariat divisions of Kalutara, Beruwala and Panadura, Divisional Education Office, Horana
4	Kegalle	Divisional Secretariats of Aranayaka, Rambukkana, Bulathkohupitiya, District secretariat-Kegalle,, Saint Joseph's College
5	Polonnaruwa	Divisional secretariats of Lankapura,, Medirigiriya, Higurakgoda, Elaheera, Dimbulagala, Welikanda, Thamankaduwa,
6	Nuwaraeliya	Nuwaraeliya divisional secretariat and district secretariat
7	Hambantota	Hambantota Pradeshiya sabha and district secretariat
8	Colombo	Sri Jayawardenapura kotte, Kolonnawa, Seethawaka, Kaduwela, Thibirigasyaya, Homagama, Maharagama, Colombo, Dehiwala, Kesbewa, Moratuwa and Rathmalana Divisional secretariats
9	Galle	Neluwa, Nagoda, Hikkaduwa divisional secretariats and district secretariats
10	Kurunegala	Giribawa Galgamuwa Ehetuwewa Rasnayakapura, Kobeigane, Kotawehera and Nikaweratiya divisional secretariats

Individuals like district secretaries, divisional secretaries, officers of provincial councils, officers of pradeshiya sabhas, police OICs, Public Health Inspectors, Grama Niladaris, development officers, social service officers, disaster relief service officers, agriculture research production assistants members of rural disaster management committees, principals, teachers and school children representing a wide range of strata participated in these workshops and around 5000 individuals were enlightened during the year 2013.

Districts in which workshops were held



2.5.1.3 Conducting conferences and discussions

2.5.1.3.1 World Meteorological Day

World Meteorological Day was held under the theme of “Paying attention to meteorological conditions in view of ensuring safety to lives and property” on 21st March 2013 and around 70 students and teachers from Ananda, Royal and Vishaka colleges and representatives from 21 institutions including Disaster management centre, National building Research Institute, three armed forces, Police, Electricity board, Irrigation Department, Ministry of agriculture, Ministry of Education and Ministry of Disaster Management participated in it.

2.5.1.3.2 Monsoon Dialogue

The general public and relevant institutions are invited 02 weeks before the South-Western monsoons and the North-Eastern monsoons and are made aware of the environmental situations that might arise during the monsoon period. These explanations are made by comparing the situation that arose during the previous monsoon. Whether the level of monsoon rainfall will be very normal, normal, heavy or dangerous; and what kind of water levels will be seen in reservoirs shall be the factors on which attention will be focused. Through this, the relevant institutions are given the opportunity to be pre-prepared for electricity generation, cultivation of crops and managing water levels in reservoirs. Media too are made aware of the situation in order to make the general public aware of the preparations.

2.5.1.4 Releasing Statements

- i. Daily weather forecast - through the website
- ii. Weekly weather analysis - through the website
- iii. Monthly summary report on weather
- iv. Annual performance report

- v. Sunrise and sunset times, moonrise and moonset times, eclipses of the moon or the sun etc.
- vi. Monthly high tide and low tide tables pertaining to Colombo, Galle and Trincomalee.

2.5.1.5 Participation in the Deyata Kirula Exhibition

The Deyata Kirula Exhibition of 2013 was held in Ampara for 08 days. It is reported that over 800,000 people visited the exhibition. About 10,000 individuals visited the stall of the Department and meteorological equipment, Meteorological observations, climate conditions, lightening hazard and other related models were displayed and the general public was made aware using all three languages.

2.5.2 Provision of instructions and equipment

Instruction and training required for setting up meteorological units and gathering data as well as the technical advice required by various institutions when purchasing meteorological equipment was provided. Equipment required by rain gauge centers and agro meteorological centers were provided.

In 2013, advice was provided to set up the meteorological equipment enclosure in the Mahinda Rajapaksa stadium of Diyagama and training was provided on gathering data. 50 rain gauges, 05 anemometers and 10 Stevenson covers were set up. Lightening protection systems were prepared for the proposed Presidential quarters (Jaffna), Presidential Secretariat, Police Station Mirihana, District Secretariat in Galle, Department of Census and Statistics, Election offices in Gampaha, Kurunegala and Kilinochchi, Etisalat communication towers and 'Liya Abiman' Electronic garment factory.

2.6 Subject related research and provision of scientific services related to researches

The following researches were conducted by the Climate Change Study Center and the Research Unit in 2013:

- i. Formulating climatological forecasts using the PRECIS model
- ii. Calculating areal rainfall values for Sri Lanka on District basis
- iii. Mapping daily, monthly, seasonal and annual rainfall using the Surfer software
- iv. Forecasting weather for 07 ensuing days using JMA data and checking the accuracy of the forecasts
- v. Obtaining extraterrestrial radiation pattern values pertaining to Sri Lanka
- vi. Calculating climatological parameters using Rclimdex
- vii. Identification and classification of marginal rainfall using SPI
- viii. Preparation of Intensity Duration Frequency Curves for rainfall data obtained from the Galle District
- ix. Analyzing rainfall data from Badulla
- x. Analyzing rainfall and temperature data from Putlam
- xi. Studying the behavior of vertical and horizontal components of the wind in Sri Lanka during the monsoon periods using NCEP Reanalysis data

2.7 Provision of limited services related to astronomy and geo magnetism

The rise and setting of the sun and the moon, light up times, visibility of stars, appearance of the new moon, rising crescents of the moon were calculated and provided to the State Printing Corporation, Ministry of Cultural Affairs and other relevant institutions. The services of a senior officer of the Ministry were provided to the Poya and Government Holiday Committee.

2.8 Departmental development functions

2.8.1 Policy Formulation

2.8.1.1 Protection from lightening hazard

A Bill was drafted to establish lightening safety centers.

2.8.1.2 Formulation of Standard Operation Procedures

All related institutions came to an agreement on the duties and responsibilities of each of the relevant institutions when communicating information on bad weather conditions and on the manner in which the communication of such information will be carried out. Accordingly, standards on the practical meanings of the technical terms used in announcements made by the Department and standard operation procedures were formulated.

2.8.2 Organizing international conferences and training programmes

Hosting the 40th session of the WMO-ESCAP Panel on Tropical Cyclones in the Bay of Bengal and Arabian Sea from 25th February to 01st March 2013



2.8.3. Construction of new office buildings

New office buildings were constructed Trincomalee and Jaffna in the year 2013 and official duties were initiated.

2.9 Scholarships, Training programs and conferences for the staff of the department

2.9.1. Foreign Visits (Meeting/Training/Seminar/Workshop etc.)

	Name of Officer	Designation	Programme	Funded By
1	D.A.Jayasinghearachchi	Deputy Director	WMO/IMD Training Course on Operational Agro-meteorology, India :28 .01.2013 - 9.02.2013	W.M.O
2	N.A. Metthasinghe	Meteorological Officer	WMO/JMA Training Workshop on Calibration and Maintenance of Meteorological Instruments in RAIL, Japan : 19.02.2013 - 22.02.2013	W.M.O
3	J.W. Karunaratne	Meteorologist	KMA Training Course on Weather radar Operation and Data Utilization, Korea : 03.03.2013 - 16.03.2013	KMA
4	S.H. Kariyawasam	Director General	National Drought Policy, Switzerland : 11.03.2013 - 15.03.2014	WMO
5	S.H. Kariyawasam	Director General	APN Workshop on Climate Adaptation Framework, Japan : 07.04.2013 - 14.04.2013	APN
6	S.R. Jayasekera	Director	Severe Weather Forecasting Demonstration Project- Regional Subprojects for the Bay of Bengal and for Southeast Asia – Training Workshop on Severe Weather Forecasting and Warning Services, China : 08.04.2013 - 10.04.2014	WMO
7	A.R. Warnasuriya	Deputy Director	SWFDP – Training Workshop on Warning Services, China : 15.04.2013 - 19.04.2014	WMO
8	I.M.S.P. Jayawardena	Deputy Director	Training Workshop on Long-Range Forecasting and Fourth Session of the South Asian Climate Outlook Forum (SASCOF-4), Nepal :15.04.2013 - 19.04.2014	WMO

9	K.D. Sujeewa	Meteorologist	Second Meeting of Focal Persons/Experts for SAARC Monsoon Initiative Programme, Bangladesh :28.04.2013 - 30.04.2014	SMRC and GOSL
10	M.D. Dayananda	Director	SOP under Synergized Standard Operating Procedures for Coastal Multi Hazard EWS, Thailand :08.05.2013 - - 09.05.2013	WMO/ ESCAP
11	D.J.A. Weerawardena	Director	Sustaining National Meteorological Services – Strengthening WMO Regional and Global Centers, United State of America : 18.06.2013 - 20.06.2013	GEDRR
12	A.L.K. Wijemannage	Deputy Director	Regional Training and Capacity Building on Storm Surge Modeling and Risk Mapping, Thailand : 24.06.2013 - 28.06.2013	ADPC
13	K.M.L.D. Sucharitharatne	Meteorologist	Regional Training and Capacity Building on Storm Surge Modeling and Risk Mapping, Thailand : 24.06.2013 - 28.06.2013	ADPC
14	I.A.D.N. Rohana	Meteorological Officer	Training of Analysis of COMS data, Korea : 30.06.2013 - 30.07.2013	KOICA
15	K.D. Sujeewa	Meteorologist	Training of Analysis of COMS data, Korea : 30.06.2013 - 30.07.2013	KOICA
16	S.H. Kariyawasam	Director General	Asia Pacific Network Workshop Climate Adoption framework, Japan : 20.08.2013 - 23.08.2013	APN
17	M.D.M.D. Karunatillaka	Director	ALA Fellowship Training for Leadership Development, Australia : 01.09.2013. - 21.09.2013	AusAid
18	M.M.P. Mendis	Meteorologist	International Conference on Integrated Space Technology Applications to Climate Change, Indonesia : 02.09.2013 - 04.09.2013	Indunesian Gov
19	A.G.M.M. Wimalasuriya	Deputy Director	Regional Workshop on Standard Operating Procedures for Tsunami Warning and Emergency Response for Northern and Eastern Indian Ocean Countries, Indonesia : 23.09.2013 - 27.09.2013	ICT/IOIWS
20	Lalith Chandrapala	Director	36th Session of the IPCC and the 12th Session of IPCC WG1, Sweden : 23.09.2013 - 26.09.2013	IPCC
21	D.J.A. Weerawardena	Director	19th Meeting of the Governing Board of SMRC and Selection Committee Meeting, Bangladesh : 01.10.2013 - 03.10.2013	SMRC and GOSL
22	A.C.M. Rodrigo	Meteorologist	Information and Communication Technology for Meteorological Services, Korea : 06.10.2013 - 26.10.2013	KOICA

23	J.M. Jayawickrame	Telecomm. & Radar Technical Officer	Information and Communication Technology for Meteorological Services, Korea : 06.10.2013 - 26.10.2013	KOICA
24	V.S. Dissanayake	Meteorological Officer	Information and Communication Technology for Meteorological Services, Korea : 06.10.2013 - 26.10.2013	KOICA
25	M.K. Karunarathna	Meteorological Communication Officer	Information and Communication Technology for Meteorological Services, Korea : 06.10.2013 - 26.10.2013	KOICA
26	V.P.S. Lokuhetti	Meteorological Officer	Information and Communication Technology for Meteorological Services, Korea : 06.10.2013 - 26.10.2013	KOICA
27	T.M.N. Peiris	Meteorologist	Training Workshop on Multi Hazard Early Warning Systems (WB/GFDRR), China : 14.10.2013 - 17.10.2013	WB/GFDRR
28	A.Karunanayake	Deputy Director	TCC Training Seminar on Seasonal Prediction Products, Japan : 11.11.2013 - 15.11.2013	JMA
29	M.D. Dayananda	Director	CAS-16 and Conference on Responding to Environmental Stressors of the 21st Century, Turkey : 18.11.2013 - 19.11.2013	WMO
30	D.J.A. Weerawardena	Director	Integrated Workshop for Developing Synergy among PTC WGs and to Finalize the AOP for 2014, Thailand : 27.11.2013 - 29.11.2013	WMO/ ESCAP
31	S.S. Ruwanpathirana	Meteorological Officer	Intermediate Training Course in General Meteorology, India : 16.12.2013 - 22.03.2013	WMO

2.9.2. Local training

Serial number	Name	Designation	Training program	Training institute
01	-	New meteorological inspectors/ communicators(20)	Orientation	Meteorological Department
02	-	Meteorological officer/ observers/communicators	CET program	Meteorological Department

03	Mr,Ak Karunanayake	Deputy director	Good governance and leadership 2013.02.21-2013.02.22	Sri Lanka foundation institute
04	Ms.UPTDA Karunanayake	Deputy Director control	Good governance and leadership 2013.02.21-2013.02.22 Awareness program 2013.04.05	Sri Lanka foundation institute Sri Lanka State Finance accountants organization
05	Mrs VPT Lakshmi	Communicator	Sri Lanka technological service training 2013.01.28-2013.01.31	Ministry of public Administration and Home Affairs
06	Mr WAKPT DE Silva	Telecommunication and radar officer		
07	Mr.J.G,Wimalasena	Meteorological officer		
08	Mr.KGS Gamage	Meteorological inspector		
09	Mr.S.Wasantha Kumar	Meteorological officer		
10	Mr.GS Wijenayake	Meteorological officer		
11	Mr.IADN Rohana	Meteorological officer		
12	Mrs.WDNL Namalarachchi	Public management assistant	Public finance management 2013.03.04-2013.03.08 Salary conversion2013.06.17-2013.06.18 Salary conversion2013.08.23	Public service training institute Sri Lanka development administration Institute Skills development foundation institute
13	Ms RM Rubasinghe	Public management	Public finance management 2013.03.04-2013.03.08 Salary conversion 2013.06.17-2013.06.18	Public service training institute Sri Lanka institute for development Administration
14	Mr WATKP DE Silva	Telecommunication and Radar technical officer	Modern power electronics 2013.03.12-2013.03.14	Arthur C. Klark Institute on modern technology

15	Ms HU Samaraweera	Public administration officer	Maintenance of Personal files 2013.03.25 Salary conversion 2013.06.17 -2013.06.18	Public Service training institute Communication officer
16.	Mr.B Jayasekara	Communicator	Sri Lanka Technological service training 2013.04.01-2013.04.04	Communication officer
17	Mr/E G Yasapala	Communicator		
18	Mr.R Gunasekara	Communicator		
19	Mr.DKAN Ranathunga	Meteorological observer		
20	Mr.RHHED Rathnayaka	Meteorological observer		
21	Mr.DC Manage	Meteorological observer		
22	Mr.WEP Wijewansa	Meteorological officer		
23	MR.EAK Edirisooriya	Civil Engineer	Staff management and labour acts 2013.04.05	Construction and machinery training institute
24	MR.IN Jayaweera	Development officer	Management assistant training 2013.05.31	Disaster management center
25	MR.DMCDS Dissanayake	Public Management Assistant	Management assistant training 2013.05.30 Salary conversion 2013.08.01 2013.08.02 Salary conversion 2013.09.03 2013.09.07	Disaster Management center Sri Lanka development administration Institute Public accounts department
26	Mr.DJP Nishantha	Driver	Driving training 2013.06.04	Disaster management center
27	Mrs WGR Arunashanthi	Accountant	Awareness program 2013.06.10 Sigas 2013.12.12	Sri lanka Public finance accountants Association Department of public accounts

28	Mrs RPL RAjapakse	Communicator	Srilanka technological service training 2013.08.26 2013.08.28	Sri lanka institute for development administration
29	Mrs WI Malani	Communicator		
30	Mrs.DN de Alwis	Communicator		
31	Mrs WMKG Wanasooriya	State management assistant	Salary conversion 2013.07.29	Skills development foundation institute
32	Mr,IACM Abeysinghe	Radar Officer	Modern power Electronics 2013.07.09-2013.08.02	Arthur C. Clark Institute on Modern Technology
33	Mr.Thusitha Mallika	Radar Officer		
34	Mr. Mahinda Jayawickrama	Radar Officer		
35	Mrs.RMDK Medagodaduwa	Development officer	Salary conversion 2013.08.01-2013.08.02	Sri lanka institute for development administration
36	MS SN JAYanath	Radar officer	CNL Training 2013.08.16	Arthur C. Clark Institute on Modern Technology
37	Mr.LDS Lekamge	Public management assistant	Management assistant training 2013.10.04	Disaster Management center
38	MRs.EH Nisansala	Kks	Library research methods 2013.12.09	National library and documentation services board

2.10 Performance of Administration and Finance Sections

2.10.1 Administration section

The performance and the progress of the Control section in the year 2013 are as follows.

Index No	Service	Performance in 2013				
		Existed Vacancies	New appointments			
1	1.1 Giving Appointments (recruitments should be done by department) i. Meteorological officer / observer / communicator ii. Telecommunication and Radar Technical Officer iii. Driver iv. Book binder and Map maker v. Carpenter vi. Mason vii. Mechanic viii. Bungalow Keeper ix. Office Employee Service x. Meteorological Helper		No of new appointments	As a percentage of vacancies		
		40	34	85%		
		05	05	100%		
		06	05	83.3%		
		15	15	100%		
		34	27	81%		
		Total	100	86	86%	
		1.2 Confirmation of Appointments	i. Meteorologist ii. Meteorological officer/observer/communicator iii. Meteorological Communication officer iv. Telecommunication and Radar Technical Officer v. Driver vi. Book binder and Map maker vii. Carpenter viii. Mason ix. Mechanic	No of officers to be confirmed	No of officers got confirmation	As a percentage of no of employees who have to get confirmed
				03	02	66.7%
				01	-	0%

	x. Bungalow Keeper xi. Office Employment Service xii. Meteorological Helper	09	04	44.4%
	Total	13	06	46.15%
	1.3 Issuing W&OP numbers	No of employees to be received W&OP number	No of employees who received W&OP numbers	
	newly recruited employees	56	21	
	old employees	35		
	1.4 Promotions	existed vacancies	no of promotions given within the year	
	i. Senior Meteorological Officer	22	-	
	ii. Senior Telecommunication and Radar Technical Officer	01	01	
	iii. Senior Communication Officer	01	01	
	iv. Meteorological officer/observer/communicator		02	
	v. Meteorological Communication officer			
	vi. Telecommunication and Radar Technical Officer			
	vii. Driver			
	viii. Book binder and Map maker			
	ix. Carpenter			
	x. Mason			
	xi. Mechanic			
	xii. Bungalow Keeper			
	xiii. Office Employment Service			
	xiv. Meteorological Helper			
	1.5 Foreign leave Approval	No of requests	No, approved	
		07	06	
	1.6 Issuing Railway warrants	No of requests	No, approved	
		293	293	
	1.7 Special Leave Approvals (Accidental leave)	No of requests	No, approved	
		03	01	

1.8 Forwarding Agrahara Insurance claims to the National Insurance Trust Fund (NITF)	No of requests 72	no of applications forwarded on or before the effective date 66	no of requests forwarded after the effective date 06
1.9 Overtime and 1/20 allowances	no of forms received		no of forms forwarded for the approval
	88		86
1.10 Salary Increments	No of Employees eligible to have salary increment	no of employees who received the increment on time	no of officers who receive increments with delay
	236	143	54
1.11 Language allowance	No of requests		No, approved
	01		0
1.12 issuing Service Letters	No of requests		No, approved
	60		60
1.13 Reply to letters received by several institutes/government offices and Public	No of letters received		no of letters issued
	260		260
1.14 Mutual Transfers	No of requests		No of requests forwarded for final Decision
	14		14
1.15 Retirements	No of requests for retirement		no of cases completed on time
	08		05
1.16 Issuing Pension Gratuity	No of Retirements		No of Pensioners who got Pension Gratuity
	05		05
1.17 Allocating Auditorium	No of requests		No of approved
	22		22
1.18 Allocating Circuit Bungalow	No of requests		No of approved
	71		71

2.10.2 Financial Section

2.10.2.2 Expenditure

Recurrent Expenditure (Rs.) against Provisions 2013

Category	Project 01			Description
	Provision (Rs.)	Expenditure Rs.	%	
Personal Emoluments	124,750,000	124,509,372	100	Salaries & Wages, Overtime & Holiday Payments and Other Allowances.
Other Recurrent	55,900,000	55,494,701	99	
Travelling Expenses	2,700,000	2,654,492	98	Domestic travelling. Foreign travelling - Educational & training programmes, conferences
Supplies	13,181,250	13,177,501	100	Purchasing Met Balloons, Radiosondes & Sunshine cards, stationery & office requisites, fuel, diets and uniforms.
Maintenance Expenditure	3,600,000	3,383,182	94	Maintenance charges for vehicles, plant machinery & equipment and buildings.
Services	28,724,500	28,628,916	100	For transport, postal and communication, electricity & water, rents and local taxes, security & Janitorial services and other services.
Transfers	7,652,250	7,650,610	100	Contribution Fees for World Meteorological Organisation and other 3 foreign organisations and property loan interest for public servants.
Other Recurrent Expenditure	42,000	-	-	Losses and write off.
Total Expenditure	180,650,000	180,004,073	100	

Capital Expenditure against Provisions 2013

Head:
304

Programme: 02

Project: 01

Object Code	Object Title	Net Provision 2013 Rs.	Expenditure 2013 Rs.	%	Description
	TOTAL (PROJECT 01)	69,285,000	67,138,543	97	
Project 01	Meteorological services				
	Total	69,285,000	67,138,543	97	
	Rehabilitation and Improvements	16,600,000	16,582,474	100	
2001	Buildings and Structures	16,600,000	16,582,474	100	Repair works at Head Office building - Rs. 16,503,783.83 Galle Met Office - Rs. 78,690
	Acquisition of Fixed Assets	49,347,000	47,392,453	96	
2101	Vehicles	14,000	13,810	99	To purchase of a bicycle to Jaffna Office
2102	Furniture & Office Equipments	1,298,000	1,295,438	100	
2103	Machinery	43,050,000	41,104,121	95	Meteorological equipment - Rs. 8,790,321.29 Doppler weather Radar System Rs. 21,271,888.85 Automatic Weather System - Rs. 11,041,910.74
2104	Buildings and Structures	4,260,000	4,259,734	100	New constructions at Trinco Met Office

2105	Land & Land Improvements	725,000	719,350	99	Land improvement works
	Human Resource Development	450,000	412,696	92	
2401	Staff Training	450,000	412,696	92	Training programmes for Technical Officers and Non Technical Officers
	Other Capital Expenditure	2,888,000	2,750,921	95	
2502	Investments	2,888,000	2,750,921	95	For Awareness Programmes - Rs. 1,849,633.40 WMO/ Escap Panel on Tropical Cyclones - Rs. 901,287.82

Summary of Advance Accounts 2013

Head: 304

Programme: 02

Project: 01

Item	2013 Estimate Rs.	2013 Actual Rs.
Public Officer's Advance Accounts		
Maximum Limit of Expenditure	13,000,000	8,320,926
Minimum Limit of Receipts	5,500,000	8,065,442
Maximum Limit of Debit Balance	70,000,000	31,696,920