



Annual Administration Report – 2011

Department of Meteorology

S. H. Kariyawasam
Director General of Meteorology

No 383,
Buddhaloka Mawatha,
Colombo-07.

DEPARTMENT OF METEOROLOGY

ANNUAL ADMINISTRATION REPORT FOR THE YEAR 2011

1. VISION

A centre of Excellence in Weather and Climate related services.

2. MISSION

Provide services pertaining to Meteorology, Aeronautical Meteorology, Marine Meteorology, Hydro Meteorology, Agricultural Meteorology, Climatology, and Astronomy to government agencies, private sector and the general public in keeping with national interests and international standards.

3. OBJECTIVES

- To observe and collate weather elements in conformity with the World Meteorological Organization (WMO) standards, and maintenance of climatological databases.
- To provide weather and climatological services as the national authority.
- To issue early warnings and advisories on weather related hazards and tsunamis.
- To provide meteorological services to national and international aviation in accordance with the technical regulations stipulated by World Meteorological Organization (WMO) and International Civil Aviation Organization (ICAO)..
- To encourage study and research in Meteorology, Climatology, Climate Change and allied subjects, and to organize and contribute to public awareness programmes in these thematic areas.
- To provide limited astronomical and terrestrial magnetism related services.

4. GENERAL

The Department functioned under the purview of the Ministry of Disaster Management and a Cabinet paper has been approved for the modernization of the Department for considering the increasing Meteorological and Climatologically disasters and services demand at present.

5. STAFF

The Department of Meteorology is administered by the Director General of Meteorology. Apart from the headquarters of the Department situated in Colombo, there are 21 outstation offices. In 2011, the Department had a total cadre of 357 employees consisting of 126 staff grade officers, 122 non-staff grade officers and 85 minor employees. Out of above cadre, 126 staff grade officers, 93 non-staff grade officers and 76 minor employees are employed in the Department as of 31 December 2011. There are 62 vacancies in the Department in different employee categories.

The Headquarters in Colombo houses the technical branches such as the National Meteorological Centre, Research, Climate, Rainfall, Agricultural Meteorology, Radar/Radiosonde, Computer, and Climate Change divisions. Apart from those, divisions dealing with electronic maintenance, meteorological instrument maintenance, finance, administration and supplies are also housed in the Headquarters. Meteorological offices at Katunayaka and Ratmalana Airports provide aviation meteorological services to international and domestic aviation respectively.

Office staff revision in the year 2011

Mr. J. W. Karunaratne assumed duties as a Meteorologist in Sri Lanka Scientific Services on 17. 10. 2011 and Ms. D. S. Indiketihewage resigned from the post of Meteorologist with effect from 02. 08. 2011.

Ms. T. G. Muditha Padamjai, Deputy Director (Administration) belongs to Sri Lanka Administrative Service was transferred on 15. 08. 2011 and Ms. U. G. A. T. D. Karunanayake belongs to the same service reported for intern training during the period from 24. 10. 2011 to 15. 12. 2011.

Out of 19 officers, who were recruited as Meteorological Observer/Communicator trainee grade in 2010, Messer A. H. C. Sirisena, P. R. K. C. Ranasinghe, D. P. P. A. Siriratne and R. M. N. S. Abeysinghe were refrained from reporting duties, after rendering resignation on 30.09.2011. Ms. W. P. A. Sandamalie got a new appointment in the Sri Lanka Librarian services and reported duty on 15. 12. 2011.

Mr. T. A. Peiris, Senior Telecommunication and Radar technician and Mr. S. M. Gunaratne, Meteorological officer, belongs to Sri Lanka Technological Services retired at compulsory retiring age of 60 years with effect from 04. 03. 2011 and 25. 12. 2011 respectively. Mr. V. Ramesh, Meteorological Observer has been considered as vacated his post, as he didn't report for duty after 04. 03. 2010.

Mr. W. Wimalasena, and Mr. K. P. Dayananda, belongs to Public Management Assistance Services retired at compulsory retiring age of 60 years with effect from 10. 06. 2011 and 24. 08. 2011 respectively. Three officers belongs to the same service were transferred from the department and two officers assumed duties on annual transfers. Ms. D. O. D. K. Pattiwidana, who was promoted to management service, reported duty on 15. 09. 2011 and newly recruited 08 officers of the same service, reported duty on 11. 04. 2011. Therefore the shortage of the officers of the management service was considerably decreased, but had to continue duties with the shortage of senior officers.

The actual total cadre at the end of the year was 295 out of the sanctioned cadre of 357 by the end of the year.

6. DEVELOPMENT ACTIVITIES

Civil construction of the tower and associated structures at Gongala to install the weather radar system is in progress. The completion of the weather radar was delayed due to unexpected delays in construction work. The equipment has already arrived in Sri Lanka and

is kept in off-site storage until the completion of the construction work. This project is expected to complete in the year 2012.

Most of the technical problems associated with the automatic weather system received as a grant aid from Japan have been resolved.

Construction work of Jaffna Meteorological Office and Quarters were started under NECORD and departmental funds respectively. It is expected to re-open this station in the year 2012.

A plot of land for Trincomalee Meteorological office was acquired. The Official Quarters at Anuradhapura Meteorological office was renovated and the renovation of the office buildings at Bandarawela, Puttalam, and Ratnapura and the Official Quarters of the Batticaloa Meteorological office were started.

Preparing the Memorandum of understanding for installation of Communication, Oceanic and Meteorological satellite system (COMS) and related training were partially completed. This project is expected to complete in the year 2012.

7. SURFACE OBSERVATIONS

24-hour watch on the weather was maintained at Anuradhapura, Batticaloa, Colombo, Galle, Hambantota, Katugastota, Katunayake, Nuwara Eliya, Puttalam, Ratmalana, Ratnapura and Trincomalee meteorological stations. However the observation at Jaffna was limited to day time due to lack of offices. At Trincomalee meteorological office in the Naval Base the observation were continued by Sri Lanka Navy.

16-hour watch was maintained from 0530 hours to 2030 hours at Badulla, Bandarawela, Kurunegala, Maha Illuppallama, Mannar, Monaragala, Polonnaruwa, Pottuvil, and Vavuniya,. At meteorological stations meteorological parameters such as pressure, temperature, humidity, wind speed and direction, visibility, clouds were observed at the standard hours 00,03,06,09,12,15,18 & 21 UTC according to the technical guidelines stipulated by the WMO and transmitted to the National Meteorological Centre in Colombo immediately afterwards. Number of surface observations done during the year, was (55,786).

8. UPPER-AIR OBSERVATIONS

Radar wind observations were done at Colombo to determine the wind speed and direction at different heights in the lower atmosphere. These observations were done at 0600 hours UTC using 100g balloons and at 1200 hours UTC using 350g balloons.

Radiosonde Observations performed at Colombo at 1200 hours UTC for the determinations of pressure, temperature and humidity at different heights in the lower atmosphere using Indian Radiosonde instrument and Global positioning system (GPS) based Radiosonde instrument donated by the Japanese government under the WMO volunteer cooperation programme. The upper-air observations were done by the Indian Radiosonde instrument till March due to the instrument failed. By using the donations received under the WMO and Sonde special project four radiosonde observations per day were performed at 0000, 0600, 1200 and 1800 UTC in October and November at Colombo by the Japanese equipment. The total number of Radiosonde observations done during the year was 303. Pilot balloon observations were performed at Hambantota, Puttalam and Polonnaruwa throughout the year

at 0000, 0600, 1200 UTC. To supplement the radar wind observations, pilot balloon observations were done at Colombo at 0000 hours UTC and at 0600 and 1200 hours UTC when radar observations had to be cancelled due to technical and other reasons.

The Total balloon observations (wind) were 620, 728, 986 and 881 respectively at Colombo, Hambantota, Polonnaruwa and Puttalam. Some of the observations were unsuccessful due to bad weather situations and balloons covered by the obstructions.

9. NATIONAL METEOROLOGICAL CENTRE (NMC)

The National Meteorological Centre continued to supply weather forecasts and bad weather warnings to the public, domestic aviation and shipping. A special weather bulletin for the Fisher folk Radio Programme was supplied throughout the year daily to the Ministry of Fisheries. During the year 1,095 weather forecasts with 38 bad weather warnings and one Tsunami alert advisory have been issued through the media while 9,020 telephone queries were responded. Also, 11,231 aviation forecasts were issued for domestic flights of the SLAF, and other domestic flight operators. The number of weather forecasts issued for shipping was 1460 while the number of weather bulletins issued for fishing was 730. Weather reports were supplied daily to a number of commercial establishments for various requirements. 71 weather queries related mainly to insurance claims too have been answered.

The National Meteorological Centre of the Department of Meteorology is responsible for reception of Tsunami information from two interim centres, PTWC and JMA and issuing Tsunami Warnings to the general public.

10. METEOROLOGICAL TELECOMMUNICATION CENTRE

All national and regional meteorological data required at the NMC for weather forecasting purposes were received in this division. Meteorological data from a number of selected stations, within the Island were transmitted to the New Delhi Regional Telecommunication Centre for re-transmission to other National, Regional and World Meteorological Centres.

Through the Colombo/New Delhi 256 kbps GTS line, Meteorological data and Tsunami related warning and advisories were received with least delay.

Cloud imageries received through internet were analysed and utilised for weather forecasting.

SADIS - 2G WAFS data system worked very satisfactorily during the year.

The Digital Meteorological Data Dissemination system (DMDD) which was donated by the Indian Meteorological Department was unable to receive the information due to the objection in the frequency range. Tele communication Regulatory commission was informed to clear the objection.

11. KATUNAYAKE AIRPORT METEOROLOGICAL OFFICE

The meteorological office at the Bandaranaike International Airport, Katunayake supplied all meteorological information required for international flights, operating through Katunayake and for those using the Colombo Flight Information Region. The service provided to the aviation was efficient with the up graded GTS and SADIS-2G system at the Meteorological office.

The number of international flights was significantly increased during the year relatively to the previous years. 21,509 Met folders which included wind and temperature charts at

various flight levels, significant weather en-route and other meteorological information were supplied during the year for international flights including non-stop flights to European and Far Eastern destinations operated through the airport. In addition 1,460 terminal aerodrome forecasts (TAF), 17,480 half - hourly weather reports (METAR), 400 special weather reports (SPECI), 129 significant weather reports (SIGMET), and 01 Aerodrome Warnings were issued.

12. RATMALANA AIRPORT METEOROLOGICAL OFFICE

The main function of this office was to provide weather information required for domestic flights operating through this airport and conducting the routine observation. Route and area forecasts were obtained from the NMC in Colombo and supplied to the SLAF and other domestic flight operators. During the year 10,047 such weather forecasts were issued. In addition 4,991 hourly weather reports (METARS), 179 special weather reports (SPECI) were also supplied for aviation purposes.

13. CENTRE FOR CLIMATE CHANGE STUDIES (CCCS)

11 awareness seminars on climate change and adaptations were conducted to teachers, school children and lecturers of National Institute of Education, University students and lecturers, Forest Offices and Health Officers by the Centre for Climate Change Studies. Substantial amount of students and public visited the CCCS have been educated and required information were provided.

Developing a Climate change scenarios is being done using mathematical model (PRECIS model) and necessary data required for the Second National Communication prepared by Ministry of Environment and Natural Resources were processed in CCCS.

Research activities conducted by the CCCS with the research division are given under item number 20.

14. AGROMETEOROLOGICAL STATIONS

Data from 38 agro meteorological stations were collected and processed. The parameters measured were maximum and minimum temperatures, minimum on grass temperature, rainfall, evaporation, sunshine duration, wind speed and direction and soil temperatures at 05cm, 10cm, 20cm and 30cm depths below the surface. Weekly rainfall and cumulative rainfall for the Yala and Maha seasons, together with percentage offsets for further processing were supplied to the Food and Agricultural Organization (FAO).

15. RAINGAUGE STATIONS

The network of rain gauge stations comprising over 450 stations (regularly reports received from 352 stations), scattered throughout the island, and were maintained in collaboration with a number of other governmental and non- governmental institutions and many voluntary observers. Rainfall was measured daily at 0830 hours at these stations and the reports were sent to this Department at the end of the month for processing. Reports were obtained daily from about sixty of these stations by telephone for weather forecasting purposes. 04 new rainfall measuring stations were installed in this year.

16. COMPUTER DIVISION

The CLICOM and CLIMSOFT systems worked very satisfactorily during the year. Computerising the daily rainfall and temperature data of meteorological stations and daily rainfall data of all rain gauge stations continued. Issue of meteorological data to users in digital as well as in printed formats continued.

17. SUPPLY OF CLIMATOLOGICAL DATA

The Department continued to provide climatological data, which have been accumulated systematically over the years, for a large number of feasibility studies/planning of development projects in various sectors. Climatological data were also supplied to researchers and university students for their studies and to the Central Bank, Census & Statistics Department and several District Secretariats for their planning/development work and publications free of charge.

18. SUPPLY OF ASTRONOMICAL DATA

Times of sunrise, sunset, moonrise, moonset, lightning up times, visibility of planets, visibility of new moon and phases of the moon and circumstances of eclipses were computed and supplied to the Government Printer, the daily press, and other users. Astronomical information was supplied to many users. A senior officer of the Department served as a member of the Poya and Public Holiday Committees.

19. SEISMOLOGICAL AND TSUNAMI INFORMATION

In cooperation with CISN, PTWC, JMA and RTSP, regional and global seismic activities as well as Tsunami information were monitored continuously and statements and advisories/warnings were issued to the general public and responsible institutions. One tsunami alert advisory was issued in the year. Troubled public in response to fault information were responded at large number of occasions during the year.

20. RESEARCH ACTIVITIES:

THE FOLLOWING RESEARCHES / ACTIVITIES WERE CONDUCTED DURING THE YEAR.

1. Effect of the Indian Ocean Dipole to the rainfall of Sri Lanka.
2. Analysis of rainfall variation at the onset of South west and North east monsoons
3. Analysis of extreme rainfall events on decadal basis
4. Analysis of maximum and minimum temperature events on decadal basis
5. Research study on Climate change and tendency of developing cyclone events in the Indian Ocean
6. Studying of seasonal predictions
7. Analysis of area rainfall
8. Research work on utilizing weather research and forecasting model (WRF)

21. LIGHTNING SAFETY ACTIVITIES

Under the recommendations of Parliamentary Consultative Committee Meeting of the Ministry of Disaster Management, Committee appointed to investigate safety against lightning hazards under the Chairmanship of the Director General of Meteorology. Thirteen meetings of the committee were held and it was recommended to conduct island wide awareness programmes on Lightning Safety and to establish a National Centre for lightning safety. The cabinet paper was being prepared and island wide awareness programme was initiated at one of the lightning prone area, Horana.

22. VISITS TO THE DEPARTMENT

As in the last year the visits of groups of school children were substantially high. During the year 24,451 school children in 261 groups, 1282 in 23 groups from armed forces and 224 in 5 groups from Higher Education Institutes visited the Department.

23.Scholarships, Training and Seminars

(a) Training/ Seminars and Workshops

Participated Officers for Foreign Workshops/Training/Seminars-2011

	Name	Details	Funded Agency
1	Mr.D.J.A.Weerawardane	Forecast Capabilities of Indian Ocean Storm Surge India 11 - 15 Feb 2011	WMO
2	Mr M.D.Dayananda	WMO Information & Public Affairs Focal point meeting Poland 07-13 March 2011	WMO
3	Mr K.H.S.M.Premalal	Capacity Building Workshop in Seasonal prediction-SASCOP-2 India 08-15 April 2011	WMO/IMD
4	Mr Nuwan Kumarasinghe	WIS Training Seminar China 11-14 April 2011	CMA
5	Mr.S.R.Jayasekera	IOC/WMO 2 nd Capacity Building Mauritius 2-6 May 2011	WMO
6	Mr.D.J.A.Weerawardane	Climate Change & Agriculture Israel 13-27 June 2011	WMO/Israel
7	Mr.H.M.R.C.Herath	Seasonal Prediction and Application to Society, India 04-05 May 2011	GOSL
8	Ms.Anusha Warnasooriya	Application of NWP Models in mountain Weather Forecasting and Extreme Weather warning over SAARC Region Bhutan 26-27 July 2011	GOSL
9	Ms.Dulari Fernando	Satellite Remote Sensing Japan 02 Aug-10 Sep 2011	JICA
10	Mr.Athula karunanayake	Regional Climate change China 26-29 Sep 2011	CMA
11	Ms.Anusha Warnasooriya	Climate change and Disaster Prevention Thailand 15 Sep - 1 st Oct 2011	KOICA
12	Mr Nuwan Kumarasinghe	Lightning Protection Nepal 12-14 Oct 2011	NAM & ST
13	Ms.Shiromani Jayawardane	Monsoon heavy rainfall China 12-14 Oct 2011	WMO/CHINA
14	Mr.Malika Wimala sooriya	Counter part training programme under DIMCEP Japan 14th Oct-07th Nov 2011	JICA
15	Mr.S.H.Kariyawasam	Human Resources Development for NMHS In Asia Philippines 17-21 Oct 2011	WMO
16	Mr.M.M.P.Mendis	Rapid Change TC intensity China 18-20 Oct 2011	WMO/CHINA

17	Ms.Himesha Alagiyawanna	Weather Research and Forecasting Thailand 10-20 Oct 2011	ADPC/GOSL
18	Mr K.H.S.M.Premalal	On One month Fc Products Japan 07-11 Nov 2011	JMA
19	Mr.M.D.Dayananda	Training on COMS Korea 20 th Nov-3 rd Dec 2011	KOICA
20	Mr.A.K.Karunanayake	Training on COMS Korea 20 th Nov-3 rd Dec 2011	..
21	Mr.D.M.B.Suraweera	Training on COMS Korea 20 th Nov-3 rd Dec 2011	..
22	Mr.T.M.N.Peiris	Training on COMS Korea 20 th Nov-3 rd Dec 2011	..
23	Mr.Kelum Priyadharshana	Training on COMS Korea 20 th Nov-3 rd Dec 2011	..
24	Miss Namali Jayalath	Training on COMS Korea 20 th Nov-3 rd Dec 2011	..
25	Mr.Thusitha Mallika	Training on COMS Korea 20 th Nov-3 rd Dec 2011	..
26	Mr.A.L.K.Wijemanna	MM Data Assimilation AWS & Doppler Radar Bangladesh 20 th Nov-3 rd Dec 2011	GOSL
27	Ms.Shiromani Jayawardane	Competency Standard for Aeronautical Meteorological Personnel India 31 st Oct-4 th Nov 2011	WMO

(b). International Regional Meetings-

Participated Officers for Foreign Meetings and Conference – 2011

1	Mr Lalith Chandrapala	ICG/IOTWS WG Meeting Indonesia 07-11 Feb 2011	IOTWS
2	Mr. G.B.Samarasinghe	ADPC Council Meeting Thailand 17-19 Feb 2011	ADPC
3	Mr.S.H.Kariyawasam	38 th Session of WMO/ESCAP TC panel meeting India 21-24 Feb 2011	GOSL
4	Mr.S.H.Kariyawasam	China Study Tour China 11-19 th April 2011	CMA
5	Mr .G.B.Samarasinghe	33 rd Session of IPCC Abudhabi 09-14 May 2011	IPCC
6	Mr .G.B.Samarasinghe	16 th World meteorological Congress Geneva 16 th May 03 rd June 2011	GOSL
7	Mr.Lalith Chandrapala	UNDP-APRC -IOTWS Indonesia 19-23 Sep 2011	UNDP
8	Mr. G.B.Samarasinghe	17 th Governing Board meeting of SMRC Bangladesh 26-27 Sep 2011	SMRC/GOSL
9	Mr .G.B.Samarasinghe	RIMES inception Workshop Thailand 28-30 September 2011	RIMES
10	Mr. G.B.Samarasinghe	First Joint Session Working group i and ii and the 34 th Session of IPCC Uganda 14-19 November 2011	IPCC
11	Mr.Lalith Chandrapala	First Joint Session Working group i and ii and the 34 th Session of IPCC Uganda 14-19 November 2011	IPCC
12	Mr .G.B.Samarasinghe	Disaster Risk Reduction in Asia :Identifying and Maximising Opportunities for action 11-14 december 2011	ADPC
13	Mr.S.H.Kariyawasam	Expert Group Meeting in Early warning System New Delhi 19-20 Dec 2011	SDMC

WMO-World Meteorological Organization
 KOICA-Korea International Cooperation Agency
 JICA-Japan International Cooperation Agency
 NAM&ST –Non Alliance Movement Science & Technology
 SDMC-SAARC Disaster Management Centre

(c) Local Training

Meteorologist, 22 Management Service Assistants and 05 Drivers attended for capacity building programmes, conducted by SLIDA and other institutes. The training for the Meteorological Observers (trainee) recruited last year was continued further. Two days residential Continuing Education and Training (CET) two programmes were organized for 64 Sri Lanka Technical Service officers and a Basic Computer Training programme was organized for 05 officers.

(d) Seminars/Workshops/Awareness Programmes Conducted:

Resource persons were provided for 8 workshops/seminars conducted by various institutes. One workshop was conducted on monsoon forum for the Northeast monsoon with the financial assistance from RIMES/ADPC.

Mass media press conferences were conducted before the commencement of Southwest monsoon and the tropical cyclone Thane.

24. OTHER ACTIVITIES

The Department participated in "Deyata Kirula" exhibition in Monaragala. World Meteorological Day was commemorated on 23rd March, with the participation of school children, stakeholders, mass media and retired meteorological officers. A book was published under the theme of the World Meteorological Day 2011 "Climate for you" with the financial assistance from United Nations Development programme and distribute it in free of charge. Meteorological knowledge and exhibits were given for the exhibitions organized by the 23 schools, Sri Lanka Air Force Headquarters, the Medical faculty of the University of Colombo and the World Children's Day calibration at Anuradhapura.

25. REVENUE

The total revenue earned during the year mainly by supplying climatological data and past weather information amounted to Rs. 7,490,594.95.

26. EXPENDITURE

Expenditures under various projects are given in the following annexes:

Recurrent Expenditure against provision 2011	
Project 1 – Meteorological services	Annex 1
Capital Expenditure against Provisions 2011	
Project 1 – Meteorological services	Annex 2
Project 1 – Donor Assisted Project	
Summary of Revenue and Advance Accounts 2011	Annex 3

27. PROCUMENT

- To purchase computers and relevant equipments - Rs. 601,540.40
- To purchase meteorological equipments - Rs. 3,333,936.00
- To purchase spare parts for the Automatic weather systems - Rs. 5,252,548.00
- Expenses in connection with the Doppler Radar System - Rs. 19,927,574.00

28. PUBLICATIONS

Following publications were issued during the year 2011

- Annual performance report of the Department
- Monthly weather summary
- Times of rising and setting of the sun, the moon and the lighting up times
- Weekly weather review – through website
- Monthly tables of high and low tides for Colombo, Galle and Trincomalee
- Publication of the booklet World Meteorological Day 2011 theme “Climate for you”

29. ACKNOWLEDGEMENTS

I wish to place on record my gratitude to all governmental and non-governmental organizations and individuals who collaborated with officers of the Department in various projects, programmes and meetings. My thanks are also due to the media for readily conveying the weather information to the general public. Finally I wish to express my personal gratitude to all employees of the Department for their ready cooperation and their loyal service.

S.H. Kariyawasam
Director General,
Department of Meteorology,
Buddhaloka Mawatha, Colombo 7.

Recurrent Expenditure (Rs.) against Provisions - 2011

Department of Meteorology

Head: 304

Programme: 02

Project: 01

Category	Project 01	
	Provision Rs.	Expenditure Rs.
Personal Emoluments	113,750,000	111,587,584
Other Recurrent	45,150,000	43,933,561
Travelling Expenses	3,550,000	3,494,732
Supplies	8,930,000	8,243,912
Maintenance Expenditure	1,850,000	1,839,924
Services	23,605,000	23,166,402
Transfers	7,202,000	7,175,886
Other Recurrent Expenditure	13,000	12,705
Total Expenditure	158,900,000	155,521,145

Capital Expenditure against Provisions - 2011

Department of Meteorology

Head: 304

Programme: 02

Project: 01

Object Code	Object Title	Net Provision 2011 Rs.	Expenditure 2011 Rs.
Project 01	TOTAL (PROJECT 01)	48,050,000	45,072,333
	Meteorological services		
	Total	48,050,000	45,072,333
	Rehabilitation and Improvements	1,000,000	960,577
	2001 Buildings and Structures	1,000,000	960,577
	Acquisition of Fixed Assets	46,850,000	43,920,438
	2102 Furniture & Office Equipments	1,350,000	1,349,403
	2103 Machinery	40,250,000	37,749,518
	2104 Buildings and Structures	5,000,000	4,574,251
	2105 Land & Land Improvements	250,000	247,266
	Capacity Building	200,000	191,318
2401 Training & Capacity Building	200,000	191,318	
	<u>Donor Assisted Projects</u>		
	Total	9,400,000	9,235,460
	Acquisition of Fixed Assets	9,400,000	9,235,460
2103 Machinery			
	13. Foreign Aid Grant	9,100,000	9,060,090
	17. Foreign Aid Related Domestic Fund	300,000	175,370

Summary of Advance Accounts - 2011

Department of Meteorology

Head: 304

Programme: 02

Project: 01

Item	2011 Estimate Rs.	2011 Actual Rs.
Public Officer's Advance Accounts		
Maximum Limit of Expenditure	10,990,000	9,282,757
Minimum Limit of Receipts	5,900,000	10,036,554
Maximum Limit of Debit Balance	50,000,000	36,169,731