



Performance Report

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செயலாற்றுகை அறிக்கை

2015



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Government Analyst Department

அரசாங்க பகுப்பாய்வாளர் திணைக்களம்

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01. Vision, Mission, and Functions of the Department.

Vision

To form a fair and law-abiding society.

Mission

**Providing Analytical, Advisory and Consultancy
Service in the fields of Forensic and Food Science
to Law Courts, Law Enforcement Agencies and
other Institutions.**

Functions

The Government Analyst's Department, being the only forensic laboratory in Sri Lanka, consists of two major Divisions namely Food Science and Forensic Science. Food Science Division includes four laboratories namely Food, Liquor, Milk and Water. Forensic Science Division has seven major disciplines as Forensic Ballistics Section, Forensic Serology and DNA Section, Forensic Toxicology Section, Explosives and Fire Investigation Section, Narcotic Drugs Section, Forensic Questioned Document Section, and Forensic Miscellaneous Section. This Department proves to be a service providing institution in that it provides advisory, consultancy and scientific service. The Government Analyst's Department issues analytical reports upon scientific examination and analysis on productions referred to it by the law Courts of the country, Department of Police, Department of Customs, Department of Excise, Port Authority, Local Government Institutions, Ministry of Health as well as other Government Departments and Statutory Bodies. Further, it carries out analysis to ensure quality of food, liquor, milk, and dairy products with the samples being referred to the Department by the various government departments and state sponsored bodies. Additionally, the samples received from the Department of Customs are also analysed for both quality and tariff categorization purposes. The Department also prepares analytical reports after examination of the Questioned documents forwarded by the law courts throughout the country.

All productions submitted for testing are referred to relevant tests according to various acts and ordinances such as the Food and Drugs Act, National Environment Act, Excise Ordinance, Tobacco and Alcohol Act, Cosmetics, Drugs and Devices Act, Control of Pesticides Act, Fire Arms Ordinance, Poisons, Opium and Dangerous Drugs Ordinance, The Explosives Act, Offensive weapons Act, Motor Traffic Act, Criminal Procedure Code, Civil Proceeding Code, Evidence Ordinance etc.

This Department also functions as the scientific consultant to other government departments and Government sponsored institutions. Specially, the contribution given by these experts to Sri Lanka Standard Institute in making standards provides an important service. These Experts assist the Technical Evaluation Committee of the Ministry of Defense for purchasing Weapons and Equipment.

2. Provisions Utilized

I. Utilization of Provisions

The utilization of provisions allocated to this Department under Project 01 of the Program 01 in the Head 233, through the Budget estimate for the year 2015 is as follows.

Rs. Million

Nature of Expenditure	Estimate Rs.	Supplementary Provisions and Allocations through Supplementary Estimates Rs.	Total Allocations Rs.	Expenditure from 01.01.2015 to 31.12.2015	Progress %
Capital Expenditure	289.000	1.500	290.500	162.60	55.97 %
Recurrent Expenditure	208.000	16.800	224.800	210.08	93.45 %
Total	497.000	18.300	515.300	372.68	72.32 %

II. Advance B Account of the Public Officers

Particulars relating to the Advance B Account of the Public Officers approved for the year 2015 are as follows.

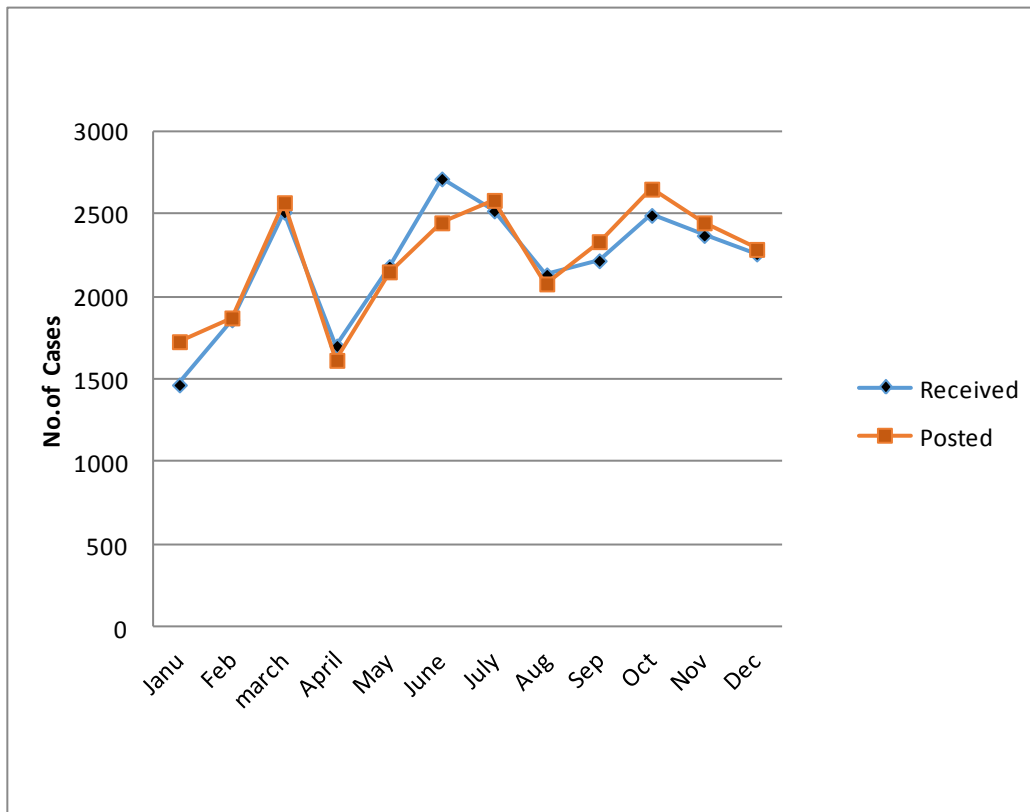
Particular	Approved Limit Rs.	Actual Expenditure Rs.
Maximum limit for expenditure	7,370,000.00	5,535,417. 68
Minimum limit for receipts	4,370,000.00	5,993,776. 68
Maximum limit for debit balance	30,000,000.00	20,090,937. 00

3. Physical Performance

3.1 Progress relating to the Analytical Reports from 01.01.2015 to 31.12.2015

Section	No. of Cases Remaining as at 31.12.2014	No. of Cases Received	No. of Cases Reported	No. of Cases not Reported as at 31.12.2015
Narcotic and psychotropic substances	326	7,269	6,978	617
Fire Arms and Ballistics	454	361	436	379
Explosives & Fire investigation	254	315	407	162
Forensic Toxicology	1,302	2,062	2,299	1,065
Forensic Serology and DNA	1,196	1,330	1,242	1,284
Questioned Documents Examination	383	769	886	266
Forensic Miscellaneous	195	273	321	147
Liquor (Head Office)	1	2,079	2,079	1
Liquor & Tobacco	8	1,799	1,784	23
Liquor (Kurunegala)	27	2,726	2,753	0
Samples of Food under Food Act	93	5,973	6,059	7
Miscellaneous Foods	52	1,487	1,535	4
Total	4,291	26,443	26,779	3,955

Month	No. of Cases Received	No. of Cases Reported
January	1,467	1,729
February	1,861	1,873
March	2,513	2,571
April	1,703	1,616
May	2,184	2,152
June	2,715	2,449
July	2,521	2,585
August	2,134	2,079
September	2,219	2,335
October	2,494	2,653
November	2,372	2,449
December	2,260	2,288
Total	26,443	26,779



3.2 Enhancing the Capacity of the Department

3.2.1 A memorandum of understanding was signed by Korea International Cooperation Agency, Ministry of Justice, and Ministry of Law and Order on 10.12.2015 in agreement of the grant of US \$ 3.2 million for establishing a center for Digital Forensics under the KOICA Project, and improving the existing DNA Laboratory. This project is scheduled to be implemented from the year 2016 to 2017.

Objectives -

- Analysis of crimes related to Digital Forensics.
- In addition to the analysis carried out by the DNA Laboratory at present, to expand capabilities to analyse specimens such as, teeth, bones, and hair shaft.



3.2.2 The memorandum of understanding between NFS, Korea and our Department was signed on 09.12.2015 with the objectives of uplifting the quality of the Department through mutual cooperation with National Forensic Service of Korea (NFS), and updating the research methodologies by improving the research technics in the field of Forensic Science. This project is scheduled to be implemented from the year 2016.

Objectives –

- To exchange theoretical and methodical information with National Forensic Service of Korea for further improvements in Forensic Science.
- To conduct relevant scientific research.
- To help and support by providing necessary methodologies and techniques to carry out complicated cases.



3.2.3 Commencing the Analysis of Pesticides Residues in Fruits and Vegetables.

The first phase of the Project on “Quality Infrastructure for Food Safety”, spanning over a period of 14 months implemented by the Swedish International Development Corporation, had been carried out in Sweden for a period of a month. An officer from the Food Unit had participated therein. Meanwhile, the GCMS / MS instrument has been purchased on 09th September 2015, and methodologies for analysis of pesticide residues in foods are being developed.

3.3 Commencing the Accreditation of Laboratories to Improve the Quality of Reports.

Objectives-

- Minimizing the number of instances, in which the quality of reports is challenged at the Court, by improving the quality of reports being issued by the Department.
- Obtaining international recognition for the reports issued by the Department.

Actions Taken

- Accreditation of 11 laboratories belonging to forensic and Food Science divisions has been started with effect from December 2014.
- Maintenance of all documents and methodologies relating to accreditation of laboratories, calibration of equipment, are carried out on par with international standards. Participation in the International Proficiency Testing conducted by institutions that earned international quality control certificates.
- Application for obtaining the accreditation certificate for the laboratories, has been submitted to Sri Lanka Accreditation Board on 04.12.2015

3.4 Formulation of Guidelines to the Judicial Medical Officers

Action had been taken to compile and distribute guidelines under approval of the Director General of the Ministry of Health in connection with the procedures to be followed in sending specimen to the forensic Toxicology Section, and the types of specimen to be sent in appropriate manner.

3.5 Procurement of High - TECH Scientific Equipment

In order to expedite the analytical process and present the expert opinions with much confidence, action had been taken to procure the following internationally accepted scientific equipment.

Name of the Equipment	Tasks Expected
Genetic Analyzer	Expediting the analytical processes carried out at the DNA Laboratory.
Head Space Unit for GC/MS	Expediting the analytical processes carried out at the Forensic Toxicology Section, especially analysis of Cyanide and other poisonous gases in blood.
Gas Chromatograph Mass Spectrometer Mass Spectrometer (GC-MS/MS)	Identification of pesticide residues in food.
Triple QuadraPole Mass Spectrometry coupled With UPLC (LC –MS/MS)	Analysis of chemicals such as DCD, and Melamine in milk and dairy products (Analysis that is not being conducted by the Department at present.) Analysis of Aflatoxin in peanuts and other related products.
Video Spectral Comparator	Expediting the precise examination of questioned documents, and signatures.
Gas Chromatograph with FID Detector	Expediting the activities of the Narcotics Division.
Gas Chromatograph Mass Spectrometer (GC-MS/MS)	To improve the standard of analytical works in explosive and fire investigation Section.

4.1 Organizational Structure of the Department



4.2 Cadre Positions as at 31.12.2015											
	Post	Approved Number	Number as at 01.01.2015	Transferred in	New recruitments	Transferred out	Retired	Resigned/ Deceased	Number as as 31.12.2015	On acting basis	No. of Vacancies
1	Government Analyst	1	1						1		0
2	Additional Government Analyst *	2	0						0	1	2
3	Government Examiner of Questioned Documents	1	1						1		0
4	Director, Administration ***	1	0	1		1			0	1	1
5	Chief Accountant	1	1						1		0
6	Deputy Government Analyst **	5	3						3	2	2
7	Senior Assistant Government Analyst /Assistant Government Analyst	66	60						60		6
8	Government Senior Assistant Examiner of Questioned Documents/ Government Assistant Examiner of Questioned Documents	10	6		1				7		3
9	Quality Assurance Scientist	1	0						0		1
10	Quality Assurance Assistant	1	0						0		1
11	Accountant	1	1						1		0
12	Laboratory Assistant (Supra Grade)	5	2						2		3
13	Administrative Officer ****	1	0						0	1	1
14	Translator	2	0						0		2
15	Information & Communication Technical Officer *****	2	0						0	1	2
16	Experimental Officer	1	1						1		0
17	Budget Assistant	1	0						0		1
18	Development Officer	6	5						5		1
19	Librarian	1	1						1		0
20	Laboratory Assistant	50	38		11			2	47		3
21	Technical Officer	3	0						0		3
22	Information & Communication Technical Assistant	10	1	1		1			1		9
23	Public Management Assistant	46	30	3	6	7	1	1	30		16
24	Computer Operator	1	1						1		0
25	Driver	17	12		5				17		0
26	Technical Assistant	1	1				1		0		0
27	Laboratory Attendent	12	3				1		2		10
28	Library Attendent	1	1						1		0
29	Office Employee Assistant	38	34	7	2	6			37		1
30	Laboratory Orderly	10	0		10				10		0
		298	203	12	35	15	3	3	229	6	68
Notes				Number as at 2015.01.01					203		
*	- On acting basis			Transferred in					12		
				New recruitments					35		
**	- On acting basis for two posts										
***	To discharge duties relating to a single post								250		
****	- On acting basis			Transferred out					15		
*****	- To discharge duties relating to a single post			Retired					3		
				Resigned					2		
				Deceased					1		
									21		
				Number as at 31.12.2015					229		

4.3. Training and Capacity Building Activities -2015

4.3.1. Foreign Training /Seminars- 2015

Name of the Officer	Date of Appointment in the Department	Duration of the Training /Seminar	Particulars on Training	Country
1.Mrs.Deepika Senevirathna	1993.11.22	27 Days	Sida Int'l Training Programme-"Quality Infrastructure for Food safety"	Sweden
2. Mrs. S.Tennakoon	1983.10.17	03 Days	Int'l Forensic Expo & Symposium	South Korea
3. Mrs.V.J.Bandaranayake	1993.11.22	10 Days	Short Course in Forensic Genetics	United Kingdom
4. Mr. W.A.R.Fernando	2004.08.02	01 Year	M.Sc. in Forensic Science	United Kingdom
5. Mrs. Nizreen Nisam	2005.12.01	01 Year	M.Sc. in Forensic Science	United Kingdom
6. Mrs.K.A.P.B.Perera	1999.01.04	12 Days	Course on Analytical Skills development	Sweden
7. Mrs.W.D.V.Karunarathna	1996.07.01	12 Days	Course on the Enhancement of Laboratory Skills - Laboratory Quality management	Finland
8. Mrs.P.S.K.Rajapaksha	1996.07.01	06 Days	7 th European Academy of Forensic Science Conference	Czech Republic
9. Mrs.S.E;lkaduwa	1995.04.25	02 Days	SELECTBIO's Annual Food Analysis Congress	United Kingdom
10 Mrs.S.Haputhanthri	1996.07.01	02 Days	SELECTBIO's Annual Food	United

11. Mrs.G.Ramana	1990.02.01	04 Days	Analysis Congress	Kingdom
12. Mr.W.P.A.R.D.Bandara	2012.04.04	03 Days	7 th Int'l Symposium on Recent Advances in Food Analysis (RAFA 2015)	Czech Republic
13. Mr.J.M.R.Jayasundara	1994.01.31	05 Days	Int'l Explosive precursors & post blast Investigations Workshop	South Korea
14. Mrs.D.C.Wickramasena	2012.11.02	10 Days	4 th Int'l Conference on Forensic Research & Technology	U.S.A.
15. Mr.A.Welianga	1990.03.01	04 Days	Training program for Sri Lanka Finance managers	United Kingdom
16. Mrs.K.V.Rathnapala.	2004.08.02	09 Months	Forensic Assistance to Maldives on the explosion on the Presidential Yacht	Maldives
			M.Sc. in Forensic Science (M.sc)- 1 year	United Kingdom

Foreign Trainings	No. of Officers
Postgraduate Degrees	- 03
Training Courses	- 06
International Seminars	- 06
International Investigation	- <u>01</u>
Total	<u>16</u>

4.3.2. Local Trainings -2015 (Staff Grade Officers)

Name of the Officer	Course and the Institute	Conducted Date	Duration
1. Miss K.G.T.K.Guruge	Seminar on Chromatographic Techniques & their application-ICHEM	26/02/2015	01 Day
2. Mrs. M.E.J.senevirathna	Seminar on Chromatographic Techniques & their application-ICHEM	26/02/2015	01 Day
3. Mr. W.P.A.R.D.Bandara	Seminar on Chromatographic Techniques & their application-ICHEM	26/02/2015	01 Day
4. Mrs.W.M.P.B.K.Warnasooriya	Seminar on Quality and Safety in food Industry -ICHEM	19/03/2015	01 Day
5. Mrs. H.W.C.C.Karunarathna	Seminar on Quality and Safety in food Industry -ICHEM	19/03/2015	01 Day
6. Mr. K.A.S.I.K.Kaluarachchi	Certificates in Computer Driving License-SLIDA	11-15/05/2015& 25-29/05/2015	10 Days
7. Mrs. K.A.P.Bandumala	Certificates in Computer Driving License-SLIDA	11-15/05/2015& 25-29/05/2015	10 Days
8. Mrs.V.J.Bandaranayaka	Certificates in Computer Driving License-SLIDA	11-15/05/2015& 25-29/05/2015	10 Days
9. Mrs. K.A.D.C.Kodituwakku	Certificates in Computer Driving License-SLIDA	11-15/05/2015& 25-29/05/2015	10 Days
10. Mr. W.R.R.Fernando	Certificates in Computer Driving License-SLIDA	11-15/05/2015& 25-29/05/2015	10 Days
11. Mrs. M.A.K.K.P.Perera	Certificates in Computer Driving License-SLIDA	11-15/05/2015& 25-29/05/2015	10 Days
12. Mrs.S.P.Haputhanthri	Certificates in Computer Driving License-SLIDA	11-15/05/2015& 25-29/05/2015	10 Days
13. Mrs. S.Elkaduwa	Seminar on the role of Chemistry in Food Safety & Food Security-ICHEM	18/06/2015	01 Day
14. Mrs. S.P.Haputhanthri	Seminar on the role of Chemistry in Food Safety & Food Security-ICHEM	18/06/2015	01 Day
15. Mrs. S.M.v.D.Mala	Seminar on the role of Chemistry in Food Safety & Food Security-ICHEM	18/06/2015	01 Day
16. Mrs. D.R.I.Udeshini	Seminar on the role of Chemistry in Food Safety & Food Security-ICHEM	18/06/2015	01 Day
17. Miss U.L.Kathriarachchi	Seminar on Scientific measurements and Calculations- ICHM	30/07/2015	01 Day
18. Mr.W.M.A.Kumara	Seminar on Scientific measurements and Calculations- ICHM	30/07/2015	01 Day
19. Mrs.D.Senevirathna	Proficiency Testing Programme on Black Tea- SLATL	13/07/2015	01 Day
20. Mrs. M.E.J.Senevirathna	Annual Agilent Seminar on Chromatography, Mass Spec & Spectroscopy & introducing new Agilent products – Agilent Technologies	04/08/2015	01 Day
21. Mr. S.L.Madunil	Annual Agilent Seminar on Chromatography, Mass Spec &	04/08/2015	01 Day

	Spectroscopy & introducing new Agilent products – Agilent Technologies		
22. Mrs. S.L.Hathurusinghe	Workshop on Fundamentals of Biological safety for Academics & Practitioners – National Science Foundation	01/09/2015	01 Day
23. Mrs. G.G.de Silva	Workshop on Fundamentals of Biological safety for Academics & Practitioners – National Science Foundation	01/09/2015	01 Day
24. Mrs. G.S.K.Rajapaksha	Seminar on Accreditation	17/09/2015	01 Day
25. Mr. W.M.S.R.Rathnayaka	Seminar on Accreditation	17/09/2015	01 Day
26. Mrs. M.A.K.K.P.Perera	Seminar on Accreditation-ICHEM	17/09/2015	01 Day
27. Mrs. K.A.P.B.Perera	Seminar on Accreditation-ICHEM	17/09/2015	01 Day
28. Mrs. M.A.K.K.P.Perera	Latest advances in sample preparation – Agilent Technologies	31/08/2015	01 Day
29. Miss T.R.M.C.Dilhani Menike	Latest advances in sample preparation – Agilent Technologies	31/08/2015	01 Day
30..Mrs. M.A.K.K.P.Perera	Annual Agilent Spectroscopic seminar 2015 – Agilent Technologies	17/11/2015	01 Day
31.Mrs. I.J.Ambepitiya	Annual Agilent Spectroscopic seminar 2015 – Agilent Technologies	17/11/2015	01 Day
32. Mrs. H.T.T.Priyadarshani	Annual Agilent Spectroscopic seminar 2015 – Agilent Technologies	17/11/2015	01 Day
33 . Thirty five officers had attended	Medico Legal Society Annual Conference	12/09/2015	01 Day
34. Mrs. D.Senevirathna	Programme in Chemical Analysis of Bottled water – SLATL	07/08/2015	01 Day
35. Mr. W.A.H.Sanjaya	Postgraduate Degree in Analytical Chemistry - University of Colombo	14/08/2015 & 31/12/2015	-
36. Mrs. C.N.Kulasekara	Postgraduate Degree in Analytical Chemistry - University of Colombo	14/08/2015	-

4.3.3 Local Trainings -2015 (Non Staff Grade Officers)

Name of the Officer	Course and the Institute	Conducted Date	Duration
1. Mrs. B.S.B.Perera - P.M.A	Filing-SDFL	23/02/2015	01 day
2. Mrs. A.K.G.Madusha- P.M.A	Advances of the Public Officers – SDFL	30/31-03-/2015	02 days
3. Mrs. A.K.G.Madusha- P.M.A	Certificate in Computer Driving License-SLIDA	11-15/05/2015	10 days
4. Mrs.W.P.R.K.De Silva-- P.M.A	Certificate in Computer Driving License-SLIDA	25-29/05/2015	10 days
5. Miss W.A.M.C. Kularathna – D.O.	Office Management and Office Procedure-SDFL	28-29/04/2015	02 days
6. Mr.K.M.A.N. Bandara- P.M.A	Office Management and Office Procedure-SDFL	28-29/04/2015	02 days
7. Mrs. J.Malani - P.M.A	Office Management and Office Procedure-SDFL	28-29/04/2015	02 days
8. Mr. H.M.L.Hewapathirana- P.M.A	Reporting of losses under F.R.104-SDFL	11-12/05/2015	02 days
9. Mrs. A.A.S.Amarasinghe - P.M.A	How to minimize the issues relating to audit in Public institution ?-SDFL	19-20/05/2015	02 days
10. Mr. B.I.Karunarathna- P.M.A	How to minimize the issues relating to audit in Public institution ?-SDFL	19-20/05/2015	02 days
11. Mrs. T.P.Samaraweera - P.M.A	Computation and payment of civil pension-SDFL	25-26/05/2015	02 days
12. Mrs. M.G.J.G.Kumari-D.O	Workshop on attitudes & skills Development-IHRA	29/05/2015	01 day
13. Mr. K.M.A.N.Bandara - P.M.A	Cash flow and financial management -SDFL	11-12/06/2015	02 days
14. Mr. G.B.Vijith Namal-Driver	Duty of the Drivers-SDFL	26-27/06/2015	02 days
15. Mr. M.V.S.P.Mahakumara-Driver	Duty of the Drivers-SDFL	26-27/06/2015	02 days
16. Miss.W.A.M.C. Kularathna – D.O	Training Course on Human Resources Management-SLIDA	01-03/09/2015	03 days
17. Mrs.M.G.J.G.Kumari-D.O	Training Course on Human Resources Management-SLIDA	01-03/09/2015	03 days
18. Mr.W.P.D.M.Wettasingha-Driver	Driver Capacity Development-SLIDA	15-16/10/2015	02 days
19. Mr. D.W.Samarakkodi -	Driver Capacity Development-	15-16/10/2015	02 days

Driver	SLIDA		
20. Mr. S.K.welagedara- Driver	Driver Capacity Development-SLIDA	15-16/10/2015	02 days
21. Mrs. D.D.R.Kumari- P.M.A	Provisions in the Establishments Code and Procedural Rules -SLIDA	12-14/10/2015	02 days
22. Mrs. S.Garusinghe- P.M.A	Provisions in the Establishments Code and Procedural Rules -SLIDA	12-14/10/2015	02 days
23. Mr. N.K.C.KapilaKumara- P.M.A	Public Financial Management-SLIDA	2015/10/19-20	02 days
24. Mr. M.P.Dayarathna-O.E.A.	Duty Improvement of the Office Employees Service-SLIDA	30-31/03/2015	02 days
25. Mr. Amila Indunil- O.E.A.	Duty Improvement of the Office Employees Service-SLIDA	30-31/03/2015	02 days
26. Mr. D.A.I.U.Kumara- P.M.A	Preparation of Procurement Plan - Prag Institute	21-23/10/2015	01day
27. Mrs. R.I.C.S. Karunarathna - P.M.A	Preparation of Procurement Plan - Prag Institute	21-23/10/2015	01day
28. Mrs. H.A.G.Abeyrathna- P.M.A	Preparation of Procurement Plan - Prag Institute	21-23/10/2015	01day
29. Miss. C.S.B.De Silva- P.M.A	Preparation of Procurement Plan - Prag Institute	21-23/10/2015	01day
30. Mrs. D.M.N.S.Dissanayala - P.M.A	Training on Salary Conversion-SLIDA	17-18/12/2015	02 days