

2018



කර්ෂකාධන වාර්තාව செயலாற்றுகை அறிக்கை Performance Report



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ආණ්ඩුවේ රස පරීක්ෂක දෙපාර්තමේන්තුව
அரசாங்க இரசாயனப் பகுப்பாய்வாளர் திணைக்களம்
Government Analyst's Department

2018 PERFORMANCE REPORT

Government Analyst's Department



Government Analyst's Department

No. 31, Isusru Mawatha,
Pelawatta, Battaramulla.

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PERFORMANCE REPORT - 2018

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A. Welianga
Government Analyst

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Institutional Information

1.1 Vision, Mission and Objectives

Vision

To form a fair and law
abiding society.

Mission

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

Objectives

To assist the process of administration of Justice in a
fair and efficient manner.

1.2 Introduction

It was in September 1904 that the first Government Analyst, a British national professor K C Browning was appointed to the Government Analyst Institute attached to the Ceylon Medical College. It was later established as the Government Analyst's Department in 1913.

Subsequently, in 1934 it was reestablished under the Ministry of Local Government at the Independence Square, Colombo 07.

With being under foreign scientific officers from the beginning, Mr. W.R. Chanmugam was appointed as the first Sri Lankan Government Analyst in 1945.

Services of the Government Analyst Department have been further expanded to encompass forensic questioned document examination in 1935. In 1940 Mr. Thambai Nagendran was appointed as the first Government Examiner of Questioned Documents.

The Department has been under the preview of the Minister of Defense from 1960 and of the Ministry of Justice from 1978 to date. Mrs. Yogarani Mahesan was the first woman Government Analyst in the history of the Government Analyst's Department.

Facing many hassles and troubles in Independence Square for more than 100 years in a working place not appropriate for laboratory, in May 10th 2013 the Department moved to a new location in Pelawatta, Battaramulla.

The state-of-the-art facility in the six storied new building provided an ideal platform to introduce novel advanced technology to enhance forensic capabilities in providing scientific analytical services to the Law Court of the country.

The DNA laboratory of the Government Analyst's Department was established in 2013 with the aid of USAID (United States Agency for International Development). The DNA laboratory was further strengthened by KOICA (Korea International Corporation Agency) project. A new Digital Forensic Laboratory was completed during 2016 with the aid of KOICA project. Establishment of a DNA laboratory and the digital forensic laboratory are an extremely useful addition to the laboratory for effective criminal justice.

In light of the enhancement of the scientific analytical works the laboratories of the Government Analyst's Department was accredited as ISO/IEC 17025 by the Sri Lanka Accreditation Board (SLAB). Having started from one scientist in 1904, at present Mr. A Welianga has been appointed as the 20th Government Analyst and Mr. S A Batakandage has been appointed as the 6th Government Examiner of Questioned Documents.

At present, there are 86 scientific staff officers in the field of Forensic and Food science and their service to the nation is quite but great.

1.3 Functions and Activities

The Government Analyst's Department, being the only forensic science laboratory in Sri Lanka, consists of two major divisions namely Food Science and Forensic Science. Food Science Division includes four areas namely Food, Liquor, Milk and Water. Forensic Science Division has nine (09) major disciplines as Forensic Ballistics, Forensic Serology and DNA, Forensic Toxicology, Explosives and Fire Investigation, Narcotic Drugs, Forensic Questioned Documents, Computer Forensic and Forensic Miscellaneous Section.

The Department proves to be a service providing institution in that it provides scientific analytical, advisory and consultancy services. The Government Analyst's Department issues analytical reports upon scientific examination and analysis on productions (evidence) referred to it by the Law Courts, Department of Police, Department of Customs, Department of Excise, Local Government Institutions, Ministry of Health, Port Authority 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 analyzed for quality. The Questioned Documents Section prepares analytical reports after examination of the questioned documents forwarded by the Courts of Law.

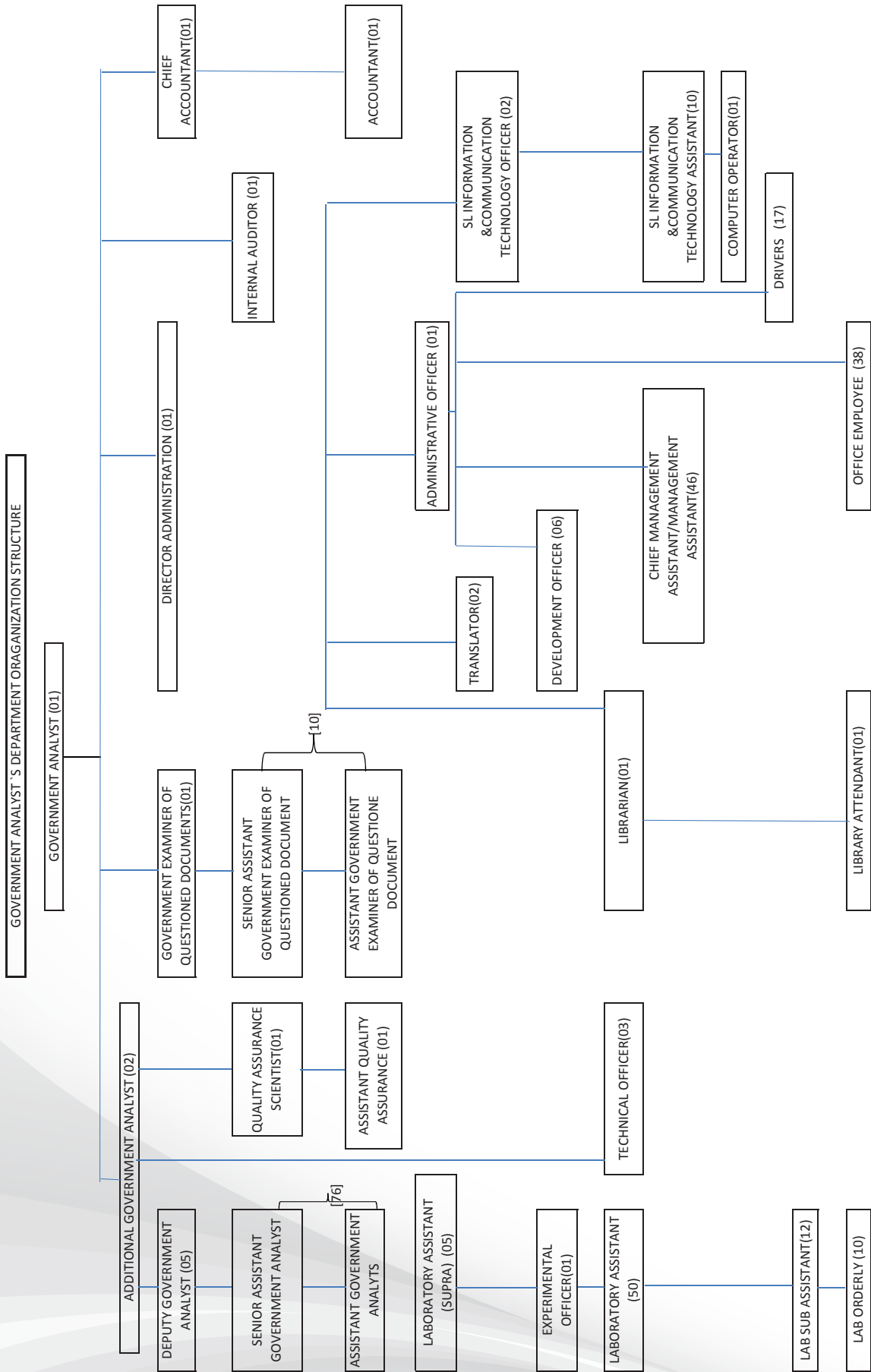
All productions (evidence samples) submitted for testing are analyzed according to various acts and ordinances such as the Food Act, National Environment Act, Excise Ordinance, Tobacco and Alcohol Act, Cosmetics, Drugs and Devices Act, Control of Pesticides Act, Fire Arms Ordinance, The Explosives Act,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

Moreover, the Department provides investigation and consultancy service to the Police Department for crime scene investigations related to grave crimes such as explosions, shootings, fires and fatal motor traffic accidents in the country. Further scientists in the toxicology section attends for food testing in the missions of foreign VIP delegations in Sri Lanka. In support of scientific reports issued by Government Analyst's Department, officers appear before courts for expert testimony.

The Department also functions as the scientific/technical consultant to other Government Departments and Government sponsored institutions. The contribution by the officers to the Sri Lanka Standard Institute for making standards is an important service. The experts also assist in Technical Evaluation Committees of the Ministry of Defense for purchasing of arms, ammunition and a explosive substances for the Ministry of Defense.

Further, Department provides training for Judicial Medical Officers, Police, Scenes of Crime officers, three forces, trainee lawyers of Attorney's General Department and public health inspectors etc on forensic and food science.

1.4 Organizational Structure



1.5 Main Laboratories of the Department

Forensic Science Section

1. Firearms and Ballistic

The evidence related to the offences such as illegal possession of firearms, firearms and other ballistic evidence alleged to connect with shootings in various crimes are examined and analyzed in firearms and ballistic section.

Further, experts in this section provide assistance to the police and other stakeholders in shooting scenes, vehicles and building investigations and reconstruction.

Firearms such as pistols, revolver, rifles, and automatic firearms, locally made muzzle loading guns, such parts, spent cartridge cases, and fired bullets etc are the common physical evidence forwarded to this section for examination and report.

Microscopically comparison analysis of above evidence will reveal the any involvement of the alleged firearms and other ballistic evidence to the crime.

2. Explosives and Fire Investigation

The Forensic experts in the Explosives section examine evidence associated with explosives related crimes such as explosions, possession of explosives or possession of bombs and other explosive devices. Defused components of explosive devices such as hand grenades locally made explosive devices and other improvised explosive devices are also examined in this section. Further, they provide assistance to the police and other stakeholders for the fire scene investigations. The laboratory can analyze fire debris from fire scenes for the presence of any ignitable liquid or substances.

3. Narcotic Drugs and Psychotropic Substances

The experts in the Narcotic Drugs Section Analyze illicit drugs, psychotropic substances such as heroin, cocaine, Cannabis, new psychotropic substances and tablets etc seized by the Police, Narcotic Bureau or the Customs. After identification of the active substance in the seized material, further analysis is carried out to establish their purity and pure quantity.

4. Forensic and Serology

The main function of the forensic experts in the Serology Section is to examine and analyze body fluids, bones, teeth or any other biological matter in any object recovered as evidence in grave crimes using DNA technology.

Further, they visit crime scenes related to homicide and help the police to collect biological and physical evidence including blood stains, semen stains, hair, blood patterns, fibers, glass, paint, scratch marks, tool marks, foot impressions etc and subsequent examination in the laboratory.

Further, they visit scenes of fatal road traffic accidents and hit and run scenes and carry out scene reconstruction and recover important evidence as mentioned above.

5. Forensic Toxicology

The Experts in the Forensic Toxicology Section carry out comprehensive range of analysis to identify poisons for medico legal purposes and crime investigations. Post mortem samples forwarded by judicial

medical officers in suspicious sudden deaths are subjected to analysis for narcotic drugs, different types of poisons, cyanide, corrosive acids, carbon monoxide etc.

In fatal accidents, the blood and urine of the drivers alleged to be under the influence of alcohol are analyzed for alcohol levels and for the presence of any narcotic drugs.

Further, any physical evidence like drugs, tablets, poison bottles, food are analyzed for identification of above mentioned poisons and drugs etc.

6. Examination Questioned Document

The Forensic Questioned Document Section mainly examines suspicious or questioned documents for legal or forensic purpose. All type of documents, handwritings and signatures are scientifically examined for their genuineness.

In such documents identification of alterations, erasers, distortions, additions, substitutions and examination of travel documents, passports, visa, writing instruments, inks, papers, glue marks, burnt or damaged document, forged currency, lottery tickets, revenue stamps, postal stamps, any document with government revenue for their genuineness or otherwise and other important inferences are communicated to the Law enforcement authorities.

7. Digital and Computer Forensic

This division was established in the government Analyst's Department in 2016 and it is now functions as the sole digital evidence provider in the country to the Law Courts.

The laboratory carries out analysis of various type of digital evidence in four deferent disciplines. Digital data Analysis involves analysis of computer and Laptop Hard Disks, DVR Hard Disks and mobile phones. In Digital Photographic Analysis or image analysis includes Vehicle number plate enhancement, image enhancement, Image and video authentication. bio metric or face comparison & identification of individual with the image on CCTV video Etc. Audio or voice and sound analysis is the science of authentication, audio enhancement, voice identification and verification.

8. Forensic Miscellaneous

The forensic scientists in the Miscellaneous Section examine all the other kind of physical evidence which cannot be specifically classified under other disciplinary.

Restoration of obliterated chassis numbers and engine numbers of suspicious vehicles and determination of the genuineness of such vehicles and identification of budded vehicle is one of the examinations handled by this section.

Scientific analysis and comparison of various physical evidence and trace evidence recovered from crime scenes such as glass fragments, paint smears and chips, fibers, soil, tools, tool marks, various marks and impressions (except finger marks) are conducted using scientific methods, and advanced analytical instruments

Food Science Section

1. Food Laboratory

Activities of Food and Milk Analytical Laboratory include analyzing and issuing reports (under Food Act No. 26 of 1980) for the food samples, milk and milk products submitted by the authorized officers

of the Health Department (MOH, Food Inspectors, PHI, etc). Further, analyze and issue quality reports for food products, milk and milk products submitted by Food Control and Administration Unit (FCAU), other Government Institutions and Private Institutions, Department of Customs, Consumer Affairs Authority, Sri Lanka Tea Board and Sri Lanka Standards Institutions, etc.

2. Liquor Laboratory

Issue sports on the analysis of illicit liquors and tobacco products, sent by the Court of Law and also liquor samples from local liquor manufacturers and imported liquor samples submitted through the Excise Department. All the above liquor analysis is performed and reported under the exercise ordinance.

For licensing of locally manufactured liquor and for imported liquor, the Excise Department forwarded samples of such liquor to our Laboratory to obtain analytical report on the quality and the standard. This department incurs fees for such analysis from local liquor manufactures & from local agent for importation of foreign liquor and the department generated Rs. 6,327,700/- during tenure and credited to consolidated fund.

1.6 Finance and Administration Sections

Finance Section

Finance Section holds responsible for affairs relating to accumulation of funds and financial management and control by way of efficiently, productively and economically utilization of funds with the objective to make available necessary physical resources and infrastructure in order to assist the process of administration of justice in a fair and efficient manner. It also involves in maintaining accounting activities and providing financial information to stakeholders.

In performing the above duties, the division focuses much concern over the matters that include.

- ♦ Implementation of efficient and effective financial management system
- ♦ Direction and guidance on financial management.
- ♦ Ensuring the protection of the assets that are under the control of the Department.
- ♦ Handling of financial resources in compliance with the directions specified in Government Financial Regulations and Circulars.
- ♦ Paying special attention on accounting activities and reporting

Administration Section

This section takes charge for the assurance of trained and skillful human resource, provision of facilities necessary to assist the process of administration of justice in a fair and efficient manner and coordination of such other related activities. Other matters include arrangement for approval of cadres, preparation of recruitment procedures, selection for eligible recruitments, appointments, trainings, transfers, promotions and disciplinary control, overtime payments, provision of loan and advances, and issuance of internal circular as and when necessary.

02 Chapter

Performance of the Department

2.1 Financial Performance

Utilization of Provisions

The utilization of provisions allocated to this Department under Project 01 of the Programme 01 in the Head 233, through the Budget Estimate for the year 2018 is as follows.

(000')

Object Description	2017			2018		
	Allocated provisions (Rs.)	Total Expenditure (Rs.)	Percentage of expenditure (%)	Allocated provisions (Rs.)	Total Expenditure (Rs.)	Percentage of expenditure (%)
Recurrent Expenditure	267,219	250,807	94	336,955	319,794	94
Personal Emoluments	131,620	130,837	99	145,300	144,331	99
Travelling Expenses	3,605	3,549	98	5,580	5,540	99
Supplies	48,490	38,735	80	107,250	92,490	86
Maintenance expenditure	16,805	13,283	79	11,860	11,714	98
Services	57,820	55,743	96	56,225	55,174	98
Transfers	1,940	1,914	99	2,200	2,030	92
Payments for external analysis	6,939	6,742	97	8,540	8,510	99
Capital Expenditure	108,260	103,085	95	98,740	70,397	71
Rehabilitation & Improvement of Capital Assets	500	495	99	740	488	66
Acquisition of capital Assets	82,000	76,993	94	76,050	47,959	63
Capacity Building	10,900	10,738	99	21,950	21,949	99
Grand Total	375,479	353,892	94	435,695	390,192	89

Particulars relating to the Advance B Account of the Public Officers approved for the year 2018 are as follows.

(000')

Description	2017		2018	
	Approved Limit (Rs)	Actual Expenditure (Rs)	Approved Limit Rs	Actual Expenditure Rs.
Maximum limit for expenditure	8,000	7,330	9,000	8,537
Minimum limit for receipts	5,500	5,887	5,500	6,183
Maximum limit for debit balance	35,000	18,149	32,000	20,523

2.2 Physical Performance

Progress on Analytical Reports from 01.01.2018 to 31.12.2018

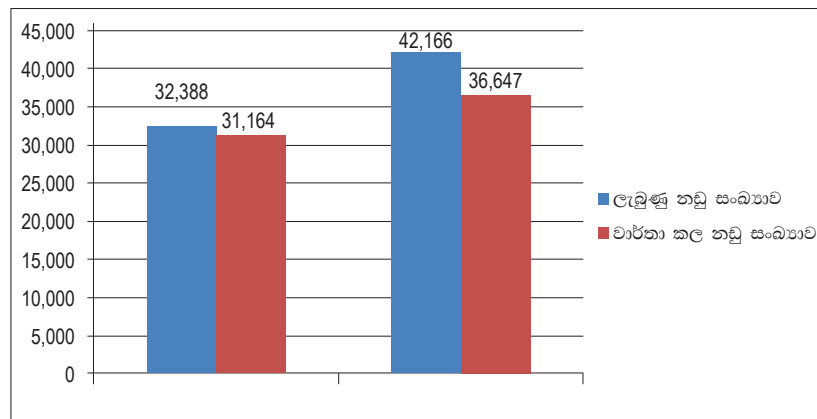
Section	Laboratory	No. of Cases Remaining as at 01.01.2018	No. of Cases Received	No. of Cases Reported	No. of Cases not Reported as at 31.12.2018
Forensic Science	Narcotic, drugs and psychotropic substances	1,484	14,643	11,242	4,885
	Firearms and Ballistics	280	412	434	258
	Explosives & Fire Investigation	153	464	497	120
	Forensic Toxicology	1,306	2,714	2,371	1,649
	Forensic Serology and DNA	1,999	1,751	1,052	2,698
	Questioned Documents Examination	467	880	853	494
	Computer Forensic	211	708	327	592
	Forensic Miscellaneous	204	462	362	304
	Sub Total	11,000			
Food Science	Liquor	20	5,483	5,417	86
	Liquor & Tobacco	29	3,118	3,047	100
	Samples of Food under Food Act	13	9,016	8,759	270
	Miscellaneous Foods	02	2,515	2,286	231
	Sub Total	687			
Total		6,168	42,166	36,647	11,687

Turnaround time for the cases in the Food Section are shorter with compared to that of Forensic Section. Increased number of cases, variation of the physical evidence types well as the complexity of the required analysis contributes to the longer turnaround time for the cases in Forensic Section.

Comparison of Received and Reported Court Cases

Year	No. of Cases Received	No. of Cases Reported
2017	32,388	31,164
2018	42,166	36,647

Number & Case



When compared with the year 2017, the number of cases received for the year 2018 has increased by 9778 cases, whereas the number of cases reported in the year 2018 has increased by 5483 cases. Number of cases not reported by the end of the year 2018 had increased by 5,519 which was the major reason for the increase of due cases in 2018. Furthermore human resources has not been increased in this period.

In addition to the analysis of productions, appearing of officers before the courts for expert testimony in every part of the country and further, attending of various crime scene investigations had directly attributed to the accumulation of un-reported cases. The officers conduct to officers for stakeholders on forensic food science.

Further the officers of the toxicology section have attend for food testing in the events of foreign VIP diplomatic missions in Sri Lanka.

Numbers of above instances are given below.

Expect testimony	416
Crime scene investigations	194
Food testing for VIP missions	33 Officers days
Lectures held for other department officers	47 Lectures

2.3 Analytical results with Social Impact

Firearms and ballistic Laboratory

Among the cases connected with firearms, forwarded to the firearms laboratory by the Courts, illegal possession of weapons, murder, robbery are prominent.

Different type of weapons such as shotguns, pistols, revolvers, automatic rifles, fired bullets and fired spent cases are the common physical evidences.

Following table tabulates the number of reports produced to the Court based on the type of the offence.

Nature of the Case	No of cases	Percentage
Possession of firearms	193	45%
Shooting	182	42%
other	59	14%
Total	434	

Toxicology Laboratory

Blood, urine, and other body fluids and body parts removed from postmortems in suspicious death and victims of road traffic accident, hanging, drowning etc are forwarded to Toxicology Laboratory for analysis by judicial medical officers. In road traffic accidents, it is required to analyze blood for alcohol.

Following table tabulates the number of instances of ethyl alcohol detections in blood samples forwarded by the judicial medical officers to the Toxicology Laboratory.

Number of cases of road traffic accidents	Number of cases	Instances of alcohol detection	Percentage of alcohol detection
Road traffic accidents	342	230	67%
Drowning	29	18	62%
Hanging	48	29	60%
Total	419	277	

Digital Forensic Laboratory

Newly established government Digital Forensic Laboratory of the Government Analyst's Department is now functions as the sole digital evidence provider to the Law Courts.

1. Digital - Digital data Analysis involves analysis of computer and Laptop Hard Disks, DVD Hard Disks and mobile phone.
2. Image - In Digital Photographic Analysis or image analysis image, includes Vehicle number plate enhancement, Image Enhancement, Image and video Authentication.
3. Bio Metry - Bio metry is the face comparison & identification of individual with the image on CCTV video Etc.
4. Audio - Audio or voice and sound analysis is the science of authentication, audio enhancement, voice identification and verification

The laboratory carries out analysis of various type of digital evidence in four deferent disciplines. The table below shows the statistics of cases concluded in the year 2018 & 2017.

Type of drug	2017	2018
Digital Data Analysis	93	126
Digital Photographic Analysis	150	150
Biometric Data Analysis	17	28
Voice and Sound Analysis	05	23
Total	265	327

DNA and Serology

641 DNA analytical reports were produced to the Court during the year 2018. Following table indicates the nature of the DNA Reports provided to the Law Court.

Nature of the Case	No of cases	Percentage
Murder	248	39%
Sexual offence	207	34%
Parentage	186	32%
Total	641	

For the above analytical reports Rs. 9,563,500 was charged from the Police Department and, credited to the consolidated fund in 2018.

Narcotic and other psychotropic drugs

In the year 2018, Narcotic Laboratory has received 14,643 cases where as in 2017 we had received 10,782 cases. Number of cases received increased by 3861 and it was a increased 36% in 12 months.

The increased number of cases highlights the drug prevalence in the country in the recent past.

Year	No of cases received	No of cases reported
2017	10,782	10,252
2018	14,643	11,242
Total	25,425	21,494

Following table indicates the type of narcotic and psychotropic drugs received in 2018.

Type of drug	Number of cases analyzed in 2018
Heroin	11,699
Cannabis (Ganja)	2,028
Cocaine	12
Miscellaneous Drugs	165
Drug not identified	739
Total	14,643

Two grams or more of heroin or Cocaine in seized powder involving in possession, trafficking, import or export will incur the death penalty or life imprisonment to the accused.

Any powder containing heroin or cocaine is further analyzed to quantify the pure quantity of heroin or cocaine in this category.

In 2018, laboratory statistics shows that of seized drugs with over 2 g of gross weight there were 430 cases of containing more than 2g of pure heroin

Food Section

Year 2018 Minister of Health carried out a surveillance program to check the presence of pesticide residues in fruits and vegetables in the local market.

The samples from 25 administrative districts have been forwarded through Food Control Administrative Units. Analysis was carried in the Food Laboratory of the Department using ultra-modern technology..

Total of four hundred and forty two one (442) fruits samples and three hundred and twenty four (351) vegetables and green leaves samples were tested.

The analytical results were tabulated in the following table.

Fruits

Item	Number of Samples tested	No. of samples containing Profenofos / Concentration (mg/Kg)	No. of samples containing Diaz none / Concentration (mg/Kg)	No. Of samples containing Bifenthrin / Concentration (mg/Kg)	No. of samples containing Difenoconazole / Concentration (mg/Kg)	No. of samples containing Oxydixyl / Concentration (mg/Kg)	No. of samples containing Chlorpyrifos / Concentration (mg/Kg)
Grapes	09	05 (0.04-0.08)	01 (0.16)	-	-	-	-
Mango	67	-	-	03 (0.01-0.13)	02 (0.05-0.09)	-	-
Guava	81	41 (0.01-0.24)	-	-	-	-	-
Water Melon	66	-	-	-	-	-	-
Papaya	75	01 (0.01)	-	-	-	01 (0.28)	-
Banana	75	-	-	-	-	-	-
Pineapple	78	04 (0.02-0.11)	-	-	-	-	01 (0.02)
Total	442						

Vegetables

Item	Number of Samples tested	No. of samples containing Profenofos / Concentration (mg/Kg)	No. of samples containing Diaz none / Concentration (mg/Kg)	No. Of samples containing Bifenthrin / Concentration (mg/Kg)	No. of samples containing Difenoconazole / Concentration (mg/Kg)	No. of samples containing Oxydixyl / Concentration (mg/Kg)	No. of samples containing Chlorpyrifos / Concentration (mg/Kg)
Brinjals	44	05 (0.01-0.07)	01 (0.17)	-	-	-	-
Long Beans	27	04 (0.03-0.38)	-	-	01(0.78)	01(0.01)	-
Snake Gourd	30	05 (0.01-0.32)	-	-	-	-	01(0.01)
Ribbed Gourd	13	-	-	-	-	-	-
Toma-toes	34	04 (0.02-0.12)	-	-	-	-	-
Leeks	31	-	-	-	-	-	-
Beans	40	01 (0.02)	-	-	-	-	-
Ladies Fingers	18	-	-	-	-	-	-
Carrots	29	02 (0.23-1.0)	-	-	-	-	-
Total	266						

Item	Number of Samples tested	No. of samples containing Chlorathalonil / Concentration (mg/Kg)	No. of samples containing Profenofos / Concentration (mg/Kg)	No. of samples containing Novaluron / Concentration (mg/Kg)	No. of samples containing Metalaxyl / Concentration (mg/Kg)	No. of samples containing Pyradostrobin / Concentration (mg/Kg)
Mukunu Wenna	44	09 (0.01-19.37)	10 (0.01-0.22)	03 (0.95-1.36)	04 (0.07-0.17)	02 (0.02-0.58)
Gotukola	41	03 (0.02-0.8)	13 (0.01-21.98)	-	01 (0.02)	-
Total	85					

Liquor Section

Liquor laboratory of this Department is the only government liquor laboratory in Sri Lanka. During the year 2018, court samples for 4545 illicit liquor court cases were analyzed and reported to the law Court. This indicates the high prevalence of illicit liquor manufactures in the country.

2.4 Accreditation Process of the Laboratories

Enhancement of Quality & Accreditation

As the leading government laboratory of Sri Lanka, Government Analyst's Department is fully committed to the provision of quality forensic and food science services to the country. To fulfill this task, the Laboratories maintain international accreditation status for ISO 17025. All the laboratories of the Government Analyst's Department with nine disciplines that have the ISO/IEC 17025: 2005 requirements for food and forensic testing.

Following table describes the accredited scopes in nine laboratories.

Laboratory	Test	Matrix
Food & Water	Loss in mass	Black tea
	Total ash	
	Water soluble ash as a percentage of total ash	
	Acid insoluble ash	
	Alkalinity of water soluble ash	
	Water extract	
	Crude fiber	
	Biological Oxygen Demand (BOD)	Waste water and effluents
	Chemical Oxygen Demand (COD)	
Liquor	Ethyl Alcohol content	Beer
	PH	
Forensic Toxicology	Blood Alcohol	Blood
Forensic Serology & DNA	DNA matching	Blood
Narcotics, Psychotropic substances	Quantitative analysis of Heroin	Seized material

Ballistics & Firearms	Physical examination, classification and comparison of fired cartridge cases	Fired cartridge cases
	Physical examination, classification and comparison of fired bullets	Fired Bullets
Explosives and Fire Investigations	Identification of TNT and RDX	Explosive materials
Forensic miscellaneous	Serial number restoration	Vehicles
Examiner of Questioned Documents	Examination of handwriting	Documents

Sri Lanka Accreditation Board (SLAB) has extended the accreditation status of the above scopes for the year 2018 after conducting first surveillance audit in November 2017. further, eight laboratories were granted ISO 17, 17025 accreditation statuses for the following extended scope on 14th March 2018.

Extended Scope of the accreditation is shown in the table below.

Laboratory	Test	Matrix
Food & Water	Arsenic (As)	Drinking water, bottled & potable
	Cadmium (Cd)	
	Chromium (Cr)	
	Copper (Cu)	
	Manganese (Mn)	
	Nickel (N)	
	Lead (Pb)	
	Selenium (Se)	
Liquor	Apparent alcoholic strength	Distilled Liquor
	Actual alcoholic strength	
Forensic Toxicology	Acid/Neutral/Base drugs screening & identification	Biological samples
Forensic Serology & DNA	DNA analysis on Buccal swab samples	Buccal cells
Narcotics, Psychotropic substances	Qualitative & Quantitative Analysis of Cocaine	Seized material
Ballistics & Firearms	Serial number restoration	Firearms
Explosives and Fire Investigations	Analysis of ignitable liquid residues	Fire Debris
Examiner of Questioned Documents	Comparison of Rubber stamp impression	Documents

The second surveillance audit was conducted on November 2018 by SLAB to extend the accreditation status for the year 2019.

03 Chapter

Asset Management

3.1 Fixed Assets

Description	Measure	Delayed		Value (Cost/ Revaluation)
		Usable	Unusable	
Office Building	Square Meters	10200	-	1,100,000,000.00
Vehicle	Number	20	3	26,143,676.76
Office Equipment	Number	1428	49	5,167,930.34
Computer Equipment	Number	864	25	82,292,836.49
Electrical Equipment	Number	175	12	5,473,741.07
Communication Equipment	Number	-	-	573,459.00
Furniture	Number	3040	6	178,802,831.04
Books and Periodicals	Number	13	-	1,198,725.49
Laboratory Equipment	Number	7168	278	773,580,448.07
Land	Number	3.75	-	83,000,000.00
Total				2,256,233,648.26

3.2 Acquisition of High-Tech Scientific Instruments

For the purpose of ensuring efficiency of the analytical process relating to the productions, widening the range of analysis as well as presenting the expert opinion with much more confidence, necessary steps had been taken to acquire the following internationally accepted scientific instruments.

Instrument	Expected Objectives
Alcolizer	■ Analysis of different type of alcoholic beverages.
VSC (Video Spectral Comparator)	■ Examination of various type of documents.
GC FID (Gas Chromatograph Flame Ionization Detector)	■ Qualitative and Quantitative analysis of narcotic samples
Gas Generators - Hydregon - Nitrogen - Air	■ Generators Gas required for the analysis by modern Laboratory Instruments

04 Chapter

Chapter 4 - Human Resources Management & Administration

4.1 Cadre Position as at 31.12.2018

	Post	Service	Grade	Salary code	Approved Number			Actual Number				No. of Vacancies
					P	C	O	P	C	O	On Acting Basis	
Senior Level	1 Government Analyst	SLSS	Sp.	SL 3	1			1				0
	2 Additional Government Analyst (Special Grade)	SLSS	Sp.	SL3	2			0			2	2
	3 Government Examiner on Questioned Documents	SLSS	Sp.	SL3	1			1				0
	4 Deputy Government Analyst	SLSS	I	SL 1	8			2			8	6
	5 Deputy Government Examiner on Questioned Documents	SLSS	I	SL 1	2			0			2	2
	6 Director Administration SLAS Class 1	SLAS	I	SL 1	1			0	1			1
	7 Chief Accountant SLAS Class 1	SLAcS	I	SL 1	1			1				0
	8 Internal Auditor SLAS Class 1	SLAcS	II/III	SL 1	1			0				1
	9 Senior Assistant Government Analyst/Assistant Government Analyst	SLSS	II/III	SL 1	93			65				28
	10 Government Senior Assistant Examiner of Questioned Documents/Government Assistant Examiner of Questioned Documents	SLSS	II/III	SL 1	14			10				4
Tertiary Level	11 SLAS Class 111	SLAcS	II /III	SL 1	1			1				0
	12 Laboratory Assistant Service (Supra Grade)	SLTS Supra	Sp.	MN 7	5			2				3
	13 Administrative Officer	PMAS Supra	Sp.	MN 7	1			0	1			1
	14 Translators Service	TS	III	MN 6	2			0				2
	15 SLITS Class 2 Grade 11/1		II	MN 6	2			0			1	2
Secondary Level	16 Investigation Officer	Dept		MN 4	1			1				0
	17 Development Officer	POS		MN 4	6			1				5
	18 Librarian	SL-GLS		MN 3	1			0				1
	19 Laboratory Assistant Service	Dept	I/II/III	MN 3	50			40				10
	20 Typist	Dept	I/II/III	MN 2	10			0				10
	21 Government Management Assistant Service	PMAS	I/II/III	MN 2	36			36				0

	22	Information and Technology Assistant	Dept	I/II/III	MT 1	10			1				9
	23	Computer Operator	Dept	I/II/III	MN 1	1			1				0
Primary level	24	Driver	DS	I/II/III	PL 3	21			17				4
	25	Technical Assistant	Dept	I/II/III	PL 2	2			0				2
	26	Laboratory Assistant Service	Dept	I/II/III	PL 2	12			5				7
	27	Library Assistant	Dept	I/II/III	PL 2	1			1				0
	28	Office Employees Service	OES	I/II/III	PL 1	38			28				10
	29	Laboratory Orderly	Dept	III	PL 1	10			10				0
		එකතුව				334			224	2	0	13	110

Notes

- * - On Acting Basis
- ** - Not appointed as at the date
- *** - Eight posts on Acting basis
- **** - Two posts on Acting basis
- ***** - On contract basis
- ***** - change thw designation as assistant government analyst and sent to the Department of Management Service for approved
- ***** - On contract basis
- ***** - One post on covering up duties basis

Levels of Officers	Approved Number	Actual Number
Senior Level	125	81
Tertiary Level	10	2
Secondary Level	115	80
Primary Level	84	61
Total	334	224

4.2 Post Graduate Studies during the Year 2018

4.2.1 Local Universities

	Name of the Officer	Occupation	Particulars on Degree	Institute
1	Ms. U G S T Gamage	Asst. Govt. Analyst	Analytical Chemistry	University of Colombo
2	Mrs. J M P I Jayathilake	Asst. Govt. Analyst		
3	Ms. H N A Perera	Asst. Govt. Analyst		
4	Ms. R A B S Ranasinghe	Asst. Govt. Analyst		
5	Ms. U W S Premathilake	Asst. Govt. Analyst		

4.2.2 Foreign Studies

	Name of the Officer	Duration	Particulars on Degree	Country
1	Ms. C P Kumarapeli	2018.09.10 - 2019.09.10	M.Sc in Pharmaceutical Analysis	United Kingdom
2	Ms. R W R K Rathnayake	2018.09.10 - 2019.09.10	M.Sc in Forensic Science	United Kingdom
3	Ms. M A J Fernando	2018.09.10 - 2019.09.10	M.Sc in Pharmaceutical Analysis	United Kingdom
4	Ms. N I K Fernando	2018.09.17 - 2019.09.30	M.Sc in Fire Investigation	United Kingdom

4.3 Training and Capacity Building Activities - 2018

	Name of the Officer	Occupation	Duration	Particulars on Training	Institute
1	Mrs. K V Rathnapala	Senior Asst. Govt. Analysts	2018.01.29 & 2018.01.30	Training on ISO/IEC 17025:2005- Internal Auditing of Laboratory Management Systems	Sri Lanka Accreditation Board (SLAB)
2	Mrs. T R M C Dilhani	Assistant Govt. Analysts			
3	Mrs. W D V Karunarathne	Senior Asst. Govt. Analysts	2018.02.07	Institute of Chemistry Ceylon	Institute of Chemistry Ceylon
4	Mrs. K A P Bandumala	Senior Asst. Govt. Analysts			
5	Mrs. I J Ambepitiya	Senior Asst. Govt. Analysts			
6	Mr. P A D Amila	Accountant		Diploma in Public Procurement	Miloda Institute
7	Mr. S K N Sandagiri	Assistant E.Q.D	2018.02.27 & 2018.02.28	Workshop on staff Disciplinary Procedure in Public Service	Distance Learning Centre Ltd
8	Mr. J M R Jayasundara	Senior Asst. E.Q.D	2018.02.21 & 2018.02.22	Disciplinary Procedure in Public Service	Distance Learning Centre Ltd
9	Mr. J M R Jayasundara	Senior Asst. E.Q.D	2018.03.08 & 2018.03.09	General Training Transition of Laboratory Quality Management System to ISO/IEC 17025:2017	Sri Lanka Accreditation Board (SLAB)
10	Mrs. W D V Karunarathne	Senior Asst. Govt. Analysts			
11	Mrs. V J Bandaranayake	Senior Asst. Govt. Analysts			
12	Mrs. V G de Silva	Senior Asst. Govt. Analysts	2018.03.29	General Workshop on Waste Disposal in Testing and Medical Laboratories	Sri Lanka Association of Testing Laboratories (SLATL)
13	Mrs. S L R Gunawardene	Senior Asst. Govt. Analysts			
14	Mrs. M A K K P Perera	Senior Asst. Govt. Analysts	2018.03.23	seminar on Industrial waste Management and Laboratory Safety	Institute of Chemistry Ceylon
15	Mrs. M A K K P Perera	Senior Asst. Govt. Analysts	2018.04.19 & 2018.04.20	General Training Transition of Laboratory Quality Management System to ISO/IEC 17025:2017	Sri Lanka Accreditation Board (SLAB)
16	Mr. W M A Kumara	Senior Asst. Govt. Analysts			
17	Mrs. M E J Senevirathne	Senior Asst. Govt. Analysts			

18	Mr. M H S P K de Sillva	Chief Accountant	2018.05.03	New Inland Revenue Act, Income Tax on Employment Income, withholding Taxes & Income Tax on (capital) Gains and Losses	D.P.R Consultants (Private) Limited
19	Mrs. M A K K P Perera	Senior Asst. Govt. Analysts	2018.05.31	Training Programme on Uncertainty Estimation in Measurement Science	Department of Measurement Units Standards and Services
20	Mrs. K A D C Kodithuwakku	Senior Asst. Govt. Analysts			
21	Mrs. S P Haputhanthri	Senior Asst. Govt. Analysts	2018.05.21	Seminar on Quality and safety in Food industry	Institute of Chemistry Ceylon
22	Mrs. H W C C Karunarathne	Senior Asst. Govt. Analysts			
23	Mr. K A S I K Kaluarachchi	Senior Asst. E.Q.D	2018.06.18& 2017.06.19	Internal Auditing as ISO/IEC 17025:2017	Sri lanka Accreditation Board(SLAB)
24	Mrs. M E J Senevirathne	Senior Asst. Govt. Analysts			
25	Mrs. P S K Rajapaksha	Deputy Govt. Analysts	2018.06.25& 2018.06.26	General Training Transition of Laboratory Quality Management System to ISO/IEC 17025:2017	Sri lanka Accreditation Board (SLAB)
26	Mrs. N I K Fernando	Senior Asst. Govt. Analysts			
27	Ms. W A I D Premachandra	Senior Asst. Govt. Analysts			
28	Mrs. M G S A Wimalasena	Deputy Govt. Analysts	2018.07.05& 2018.07.06	Documentation of Laboratory Quality Management System as per ISO/IEC 17025:2017	Sri lanka Accreditation Board (SLAB)
29	Mrs. W S H K Jayawansa	Quality Assurance Scientist			
30	Mrs. S P Haputhanthri	Senior Asst. Govt. Analysts	2018.07.16& 2018.07.17	General Training Transition of Laboratory Quality Management System to ISO/IEC 17025:2017	Sri lanka Accreditation Board (SLAB)
31	Mrs. K A P Bandumala	Senior Asst. Govt. Analysts			
32	Mr. W M S R Rathnayake	Senior Asst. Govt. Analysts			
33	Mrs. P C P Lalanthika	PMA III	2018.07.03& 2018.07.04& 2018.07.05	Public Financial Regulations	Miloda Academy of Financial Regulations
34	Ms. D D Renuka Dahanayake	PMA III	2018.08.14& 2018.08.15& 2018.08.16	File Management & General Office Administration E-Code	Miloda Academy of Financial Studies
35	Ms. K C A Silva	PMA III			
36	Mr. J M R Jayasundara	Senior Asst. Govt. Analysts	2018.10.04& 2018.10.05	Internal Auditing as ISO/IEC 17025:2017	Sri lanka Accreditation Board(SLAB)
37	Mrs. U L Kathriarchchi	Senior Asst. Govt. Analysts			
38	Mrs. H W C C Karunarathne	Senior Asst. Govt. Analysts	2018.09.07	Seminar on Practices of Modern Analytical Methods For Industries Chromatographic Techniques and Spectroscopic Identification Technique.	Institute of Chemistry Ceylon
39	Ms. Kulali	Senior Asst. Govt. Analysts			
40	Mr. P G P Chandrasiri	Senior Asst. Govt. Analysts			
41	Mrs. S A Saputhanthri	Senior Asst. Govt. Analysts			
42	Mrs. T H Kurukulanatha	Senior Asst. Govt. Analysts			
43	Mrs. D R I Udeshani	Senior Asst. Govt. Analysts			
44	Mrs. M G S A Wimalasena	Deputy Govt. Analysts	2018.09.27& 2018.09.28	Documentation of Laboratory Quality Management System as per ISO/IEC 17025:2017	Sri lanka Accreditation Board(SLAB)
45	Mrs. N S H K Jayawansa	Senior Asst. Govt. Analysts			

4.4 Capacity Building and Training - Foreign

	Name of the Officer	Duration	Particulars on Training	Country
1	Ms. S P Haputhanthri	2018.02.04-2018.03.02	Sida International Training Programme " Quality Infrastructure for food safety	Sweeden
2	Mr. S K N Sandagiri	2018.03.22-2018.04.11	Capacity Development on Cyber - Policing	Korea
3	Ms. M G S A Wimalasena	2018.04.30-2018.05.02	World Conference on Quality and Improvement	USA
4	Ms. W M P B K Warnasooriya	2018.05.07-2018.05.24	The training programme on " Advanced Food Analyst "	Thailand
5	Ms. P S K Rajapaksha	2018.05.14-2018.05.18	27th Session of the Commission on Crime Prevention And Criminal Justice (CCPCJ)	Austria
6	Ms. H T T Priyadarshani	2018.05.15-2018.05.22	RE: LCMS Application Training	Singapore
7	Ms. Deepika Senevirathne	2018.05.21-2018.05.22	3rd Global Food Security and Sustainability Conference	USA
8	Ms. S A Batakandage	2018.06.11-2018.06.12	2nd World Confernece and Exhibition on Forensic Sciecne	Italy
9	Ms. D H L W Jayamanna'			
10	Ms. A C S Dharmarathne	2018.06.06-2018.08.09	The 4th AFSN Trace Evidence Work Group Training and Meeting on ASEAN Explosive Data base	Thailand
11	Mr. A Weliana	2018.09.04-2018.09.08	AFSN 10th Annual Meeting and Symposium	China
12	Ms. K P Chandrani	2018.10.05-2018.10.08	The choose food symposium	USA
13	Ms. S P Haputhanthri	2018.10.07-2018.10.12	Quality infrastructure for food safety	Malaysia
14	Mr. A D S Rathnakumara	2018.07.16-2018.07.27	Fingerprint Science & Queetioned Document Examination	India
15	Mr. K A S I K Kaluarachchi	2018.07.30-2018.08.03	Course on Expert testimony in criminal trail	India
16	Mr. S K N Sandagiri	2018.07.30-2018.08.10	Course on Crime Science Management including CCTV analysis	India
17	Ms. I H Kulathunga	2018.08.06-2018.08.10	Course on forensic Science & Forensic Medicine	India
18	Ms. A M N D Chandrawansa	2018.08.27-2018.09.01	Course on Cyber Forensics	India
19	Ms. W M P B K Warnasooriya	2018.09.10-2019.09.15	Training Programme for exposure for food laboratory	Thailand
20	Ms. K P G K T Guruge			
21	Ms. I J Ambepitiya			
22	Ms. S L R Gunawardene	2018.09.10-2018.09.21	Course on the Enhancement Laboratory skill in quantitative Mass Spectrometry	Pinland
23	Mr. Y M W S Bandara	2018.09.10-2018.09.18	Training Programme for on public Administrative & Development	India
24	Ms. P G de Silva	2018.10.25-2018.10.26	HID User Meeting - Thermo Fisher Scientific	India
25	Ms. R M B S Ranasinghe			
26	Ms. M V D Mala	2018.11.06-2018.11.26	Seminar on Certification and Accreditation	China
27	Ms. I J Ambepitiya	2018.11.20-2018.11.23	Agilent 7900 ICP-MS Techniques & Operation	Singapore
28	Ms. E M D T E Udangamuwa	2018.12.09-2018.12.15	Investigation into Public Revelations made by Mr. Namal Kumara against DIG Mr. Nalaka de Silva	Hong - Kong
29	Ms. H T T Priyadarshani	2018.11.26-2018.12.08	Bio Medical Waste Management	India

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