



**Measurement Units, Standards and  
Services Department  
Annual Performance Report for 2023  
Expenditure Head No. 298**



## Message of the Director

Welcome to the Measurement Units, Standards and Services Department's Annual Report for the year 2023. The year 2023 was a new year that arrived with the end of a pile of internal issues, while it was a period expected with a progress and transitional change of many objectives of the Department. Innovations had to be continued following the government expenditure management guidelines related to recover from the economic crisis while strengthening all activities related to Metrology. We streamlined our procedures and operations, while that dedication contributed to strong physical and financial progress. Our vision is "to implement a well-protected customer community through an accurate and reliable measurements." We are, at present, an institution with annual earnings of approximately LKR 400M and a trans disciplinary and efficient staff comprised of nearly 370.

As in any other country, metrology system in Sri Lanka has three levels such as scientific metrology, industrial metrology and legal metrology. Measurement Units, Standards and Services Department (MUSSD) is Sri Lanka's National Metrology Institute and brings together these three levels of metrology under a single organization. MUSSD plays the role of the Central Metrology Authority and is empowered for scientific metrology and legal metrology as well as the co-ordination of industrial metrology. Establishment, maintenance, and dissemination of national measurement standards towards sectors such as industrial, health and environmental protection in Sri Lanka are executed by the National Measurement Laboratory (NML) established under MUSSD.

The new building complex including the National Measurement Laboratory and the administration buildings of this Department which was established in the proposed techno city at Pitipana, Homagama in December, 2015 to execute the Act bearing No.35 of 1995, maintains and establishes the national measurement standards as per the international standards, acting as the supreme Metrology Authority of Sri Lanka while, ensuring the justice and equity for producers, dealers, measurements and other service providers through regulation and service activities based on measurements in order to uplift the living conditions and the standard of Sri Lankans.

Having investigated on the national strategic plans presented with the intention of achieving national objectives by the government of Sri Lanka, we have identified that Metrology plays an enormous role for the strategy called "people centric economy" as per the sustainable development goals of United Nations on poverty. Accordingly, we paid a special attention to revive the trade sector of the economy even amidst the climax of the past economic crisis, accordingly the reliability of internal trade of Sri Lanka has been ensured in 2023. Performance targets have been planned during 2024 to conduct a variety of missions to uplift the national economy based on experiences and achievements obtained in 2023.

I am very proud of these accomplishments while, those will be reflected in this year's Annual Report as well.



S.N.Akuranthilaka  
Director of Measurement Units, Standards and Services



# Contents

Page No.

## Chapter 1- Summary of Implementing Institutional Profile

1.1 Introduction .....	1
1.2 Vision, Mission and Objectives of the Institution .....	2
1.3 Key Functions .....	2
1.4 Organization Chart .....	17
1.5 Departments under the Ministry/ Main Divisions of the Department/Divisional Secretariats prevailing under District Secretariat .....	19
1.6 Institutions/Funds prevailing under the Ministry/ Department/ Provincial council.....	20
1.7 Details of the Foreign Funded Projects .....	20

## Chapter 2- Progress and the Future Outlook

Special Achievements .....	25
2.1 Establishment of Traceability of Measurements in the National Measurement Laboratory	26
2.2 Participation to Inter Laboratory Comparisons .....	26
2.3 Development Affairs .....	27
2.4 Training and Consultancy Conducted by NML .....	29
2.5 Progress of International Relations .....	30
2.6 Revenue of Calibration Services Provided by NML .....	35
2.7 Pre packaging, vehicle emission and speed measuring equipment income of the National Measurement Laboratory .....	39
2.8 Pattern Approval of Weights, Measures and Weighing and Measuring Instruments .....	39
2.9 Verification Income .....	40
2.10 Number of units verified .....	42
2.11 Amount of Raids and cases .....	43
2.12 Awareness Programs .....	46
2.13 Quarterly progress of Awareness Programs .....	47
2.14 Distribution of Private Entrepreneurs Engaged in Commercial Activities .....	48
2.15 Registrations of Private Entrepreneurs Engaged in Commercial Activities .....	49
Challenges and Future Targets .....	50

### **Chapter 3 - Overall Financial Performance for the Year ended 31<sup>st</sup> of December, 2023**

3.1	Statement of Financial Performance .....	52
3.2	Statement of Financial Position .....	55
3.3	Statement of Cash Flow .....	58
3.4	Notes to Financial Statements .....	61
3.5	Performance of Revenue Collection .....	66
3.6	Performance of utilizing allocated Provisions .....	66
3.7	In terms of F.R. 208, Allocations presented to this Department/ District Secretariat/ Provincial Council as a representative of other Ministries/ Departments .....	67
3.8	Performance of Reporting Non - Financial Assets .....	67
3.9	Auditor's Report .....	68

### **Chapter 4- Performance Indicators ..... 87**

### **Chapter 5 - Performance of the achieving Sustainable Development Goals (SDG)**

5.1	The Identified respective Sustainable Development Goals .....	89
5.2	Achievements and Challenges of fulfilling Sustainable Development Goals .....	92

### **Chapter 6- Human Resource Profile**

6.1	Cadre Management .....	94
6.2	How the deficit/surplus of human resources has affected the performance of the organization .....	97
6.3	Human Resources Development .....	97

### **Chapter 7- Compliance Report ..... 103**

# Summary of Implementing Institutional Profile

The aim of this report is to present the basic policy, projects and programs of Measurement Units, Standards and Services Department (MUSSD) which have been implemented and to report the progress of the department in the year 2023.

## 1.1. Introduction

### 1.1.1. Metrology

Metrology is the science of measurements and its applications. Measurements related to various physical quantities such as mass, length, time, pressure, volume, electric current, temperature and electric resistance, etc. are frequently necessary for daily life activities. All the scientific research and regulatory activities carried out internationally and locally for sustaining a unity of physical quantities and units can be defined as Metrology.

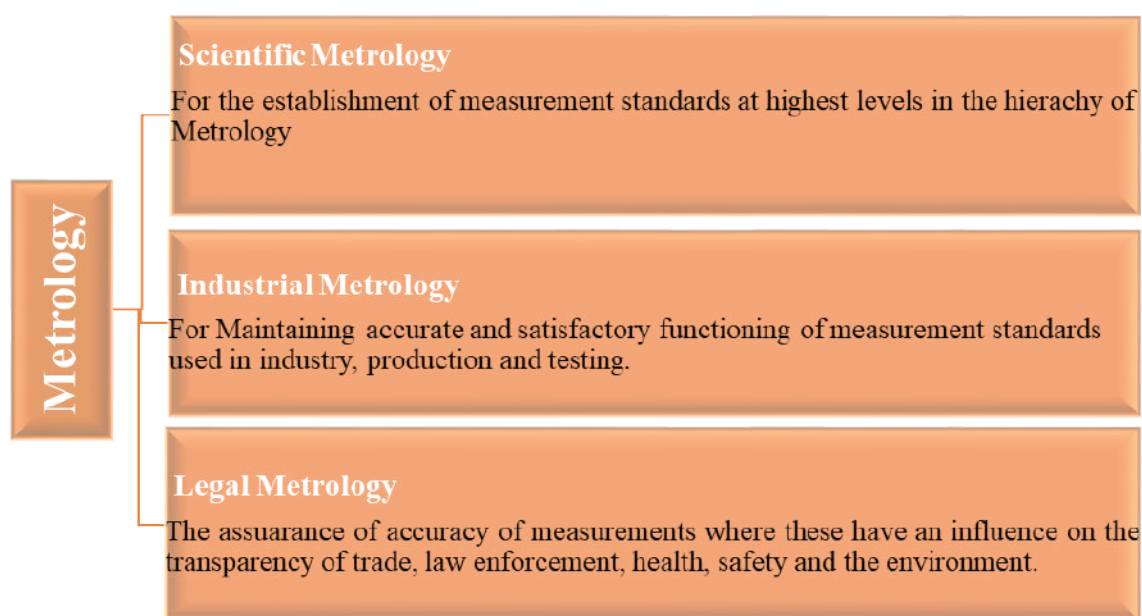
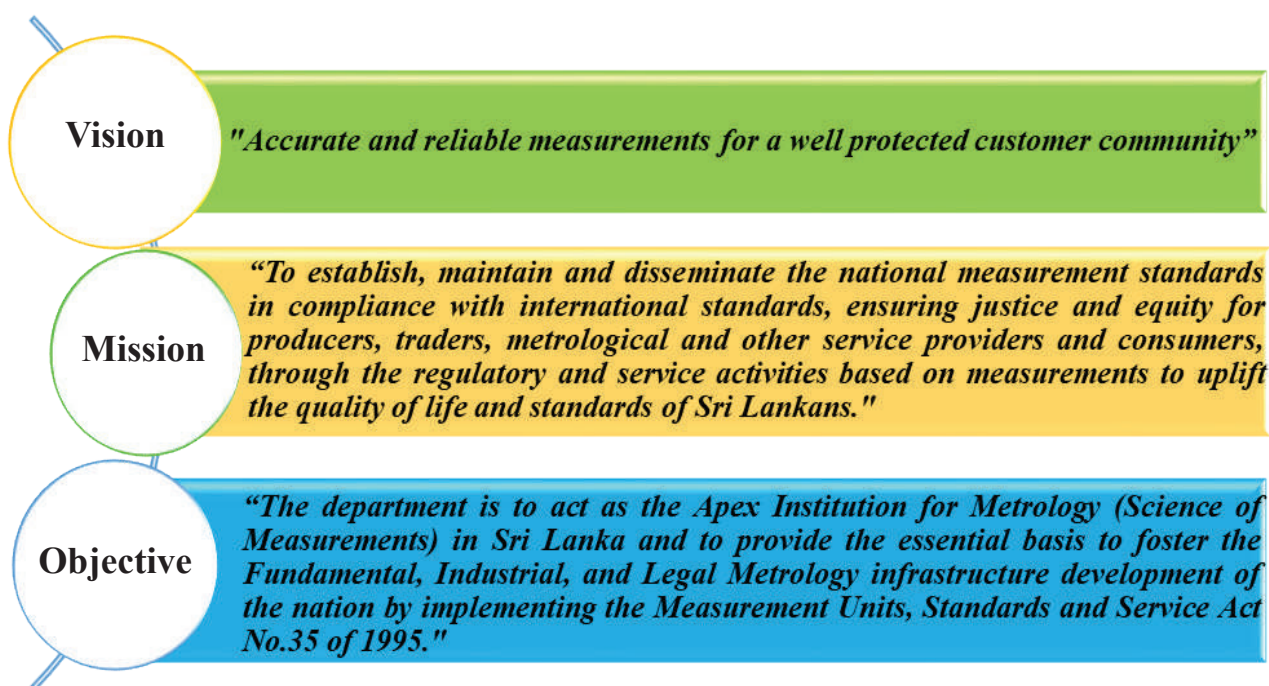


Figure 1: Categories of Metrology

Metrology can be mainly divided into three sub sectors as mentioned above. There is an institution bearing responsibility on defining the national measurements system in every country and establishing, maintaining and disseminating them as national measurement standards in that country. It is generally known as National Metrology Institute (NMI). In Sri Lanka, such obligation is born by the *Measurement Units, Standards and Services Department*.

## 1.2 Vision, Mission, Objectives of the Department



## 1.3 Key Functions

MUSSD as the apex Institution for Metrology in Sri Lanka bears the responsibilities of the following functions.

Measurement Units, Standards and Services Department (MUSSD) was established under the Measurement Units, Standards and Services Act No. 35 of 1995. MUSSD functions under the purview of Ministry of Trade, Commerce and Food Security.

MUSSD has moved to the Science Center of Tech City in Mahenawatta, Pitipana, Homagama in December 2015 from the old premises situated at Colombo 05 (area of 135 perches) due to insufficiency of building and land space to accomplish the national requirements and the future developments of the field of Metrology.

The department is responsible for providing accurate and reliable measurement procedures and metrology services, safeguarding the interests of the consumer by imposing relevant rules and regulations, maintaining and updating the National Measurement Standards in conformity with the international measurement system while implementing the provisions of the Units of Measurement, Standards and Services Act No. 35 of 1995. In terms of the Section (3) of part II of the Measurement Units, Standards and Services Act No. 35 of 1995, the laboratory inside the Measurement, Standards and Services Department is known as the National Measurement Laboratory.

As per the Section III of the said Act, the department shall be responsible for the establishment of national measurement standards, maintenance and dissemination, as per the Section IV usage of



measurements in trade and as per the Section V and VI, usage of measurements in industrial sector. Accordingly, the department shall be responsible for the National Measurement System consisting of three sectors called scientific metrology, industrial metrology and legal metrology.

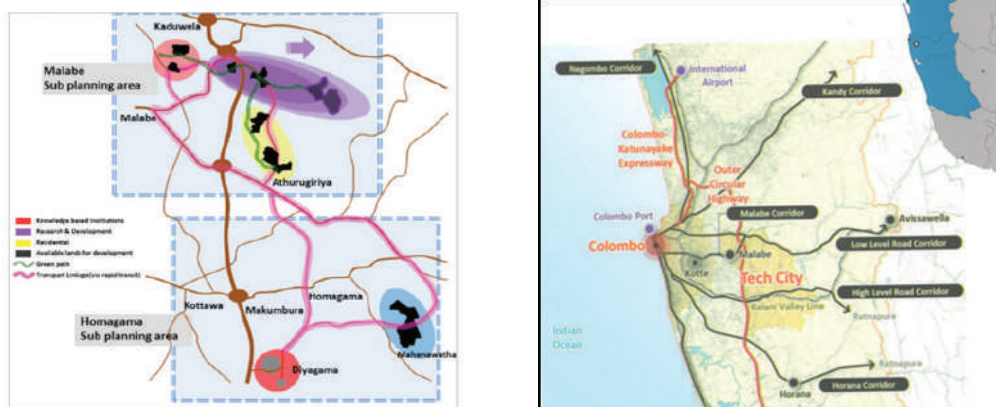


Figure 2: Location of Tech City (Source: Innovation hub of Asia- Tech City Sri Lanka Western Region Tech City Development Project)

Recognition of measurements and national standards related to them used in Sri Lanka, defining and establishment of such measurements and standards, its maintenance and dissemination is conducted by the National Measurement Laboratory established under the department. Apart from that, calibrations and verification services for measuring instruments used in fields such as industry, engineering, environment, health protection, road safety, etc. are provided by MUSSD.

Further, the recommendations of the International Organization of Legal Metrology (OIML) are followed in legal metrological activities while, pattern approval of electronic and mechanical weighing and measuring instruments, and initial and annual verification of such instruments are conducted according to those recommendations.

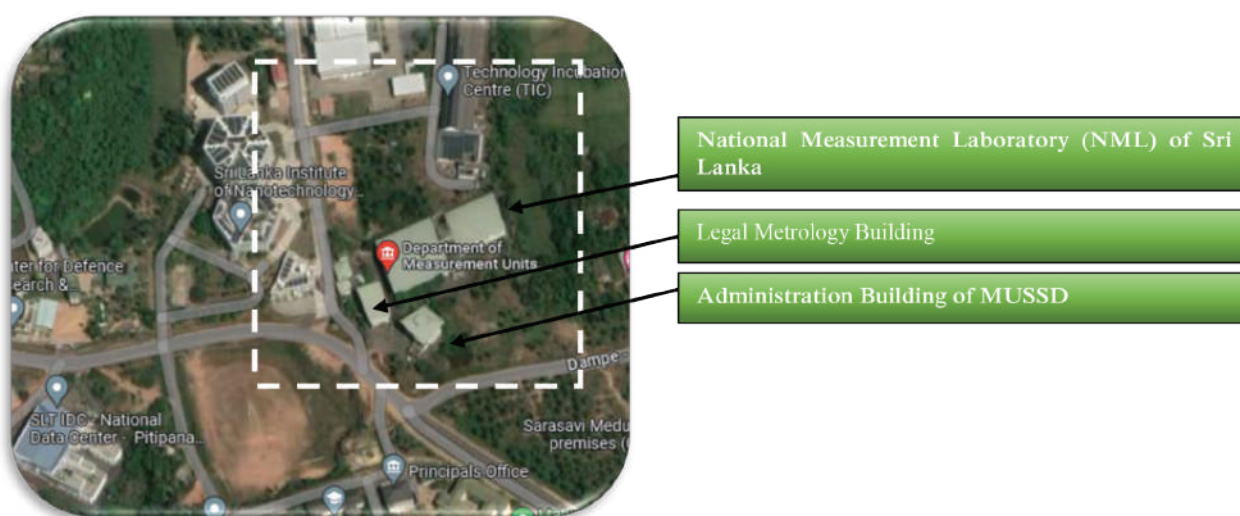


Figure 3: Measurement Units, Standards and Services Department (MUSSD)

**The Legal framework in which the institution is established:** Measurement Units, Standards and Services Department is established by the Measurement Units, Standards and Services Act No. 35 of 1995.

**Goals of the institution:** Establishment of the National Measurement System of Sri Lanka as per the international measurements system and regulation.

### **1.3.1 Scientific Metrology**

This is the most important sector of Metrology. Scientific Metrology is the field on establishing measurement unit systems and quantity systems, conducting research on Metrology, discovering new measurement methodologies, recognition of international and national standards, definition, establishment and dissemination to the users of such standards while keeping its accord. Moreover, scientific metrology covers theoretical and practical aspects of identification and resolving measurement problems and related issues. There are several measures taken to fulfill the above functions related to Scientific Metrology.

- 01.** Establishment of National Measurement System and measurement units of the country by the formation of the National Measurement Laboratory.
- 02.** Representation, establishment, maintenance and dissemination of National Measurement Standards.
- 03.** Establishment and maintenance of the National Measurement Standards traceable to International Measurement Standards (SI).
- 04.** Dissemination and promotion of measurement parameters and technology necessary for different fields.
- 05.** Upgrading the calibration and measurement capabilities (CMC) by participating in international bilateral and multilateral inter-comparisons related to various quantities.
- 06.** Metrology research activities.
- 07.** Generating Sri Lanka Standard Time and broadcasting via [www.sltime.org](http://www.sltime.org)

#### **1.3.1.1 National Measurement Laboratory (NML)**

MUSSD operated National Measurement Laboratory with 66 laboratory rooms in its new premises in Mahenawatta, Pitipana, Homagama to establish national unit system, to establish national measurements unit system, calibration and testing laboratories, regulatory bodies, to maintain traceability to industrial and legal metrology sectors and dissemination. Currently, MUSSD operates 29 laboratories for 13 measurement fields.

## National Measurement Laboratory Contacts

Laboratory	Head of Laboratory	Contact Details
Mass	Mr. R. D. M. Alanka	0112-182262
Dimensional	Mr. A. D. D. Naminda	0112-182267
Time-and Frequency	Mr. R. G. S. A. Perera	0112-182265
DC Electricity	Mr. R. G. S. A. Perera	0112-182265
Temperature	Mr. S. N. Akuranthilaka	0112-182253
Pressure	Ms. J. S. M. Silva	0112-182264
Volume	Mr. H. L. I. S. Sampath	0112-182266
Electric Power and Energy	Mr. R. D. M. Alanka	0112-182262
Chemical	Mr. S. D. I. Dias	0112-182258
Gas	Mr. R. G. S. A. Perera	0112-182265
Humidity	Ms. K. S. Mallawarachchi	0112-182263
Pattern Approval	Mr. R. G. S. A. Perera	0112-182265
Force	Mr. R. G. S. A. Perera	0112-182265

Table 1

## Standards of National Measurement Laboratory

Physical Quantity	Primary/Secondary Standards
Mass	1 kg national prototype of kilogram 1 mg – 20 kg E1 weight set.
Length	He/Ne Lazer light K Standard gauge block <ul style="list-style-type: none"> <li>• K steel from 0.5 mm to 100 mm</li> <li>• K steel from 400 mm to 500 mm</li> <li>• K Tungsten Carbide from 0.5 mm to 100 mm</li> <li>• K Tungsten Carbide from 1 mm to 100 mm special</li> <li>• 00 Ceramic from 0.5 mm to 100 mm</li> <li>• 00 Tungsten Carbide from 0.5 mm to 100 mm</li> <li>• 0.1 mm precision line scales</li> </ul>
Time & Frequency	Cs – Primary frequency stranded, Rb - Primary frequency stranded
Temperature	7 fixed points cover Mercury triple point to Aluminium freezing point (-38.834 °C to 660.323 °C)
DC Electricity	Transfer standard (Up to 1000 V and 20 A) 1 V, 10 V – Zener DC voltage reference Resistance Standards up to 1 GΩ
Pressure	Hydraulic pressure balance range 200 MPa Pneumatic pressure balance range 7 MPa Pneumatic pressure balance range 175 kPa

Physical Quantity	Primary/Secondary Standards
<b>Volume</b>	Micro pipette calibration unit – Mass measurement method (1 $\mu$ L to 1 mL) Volumetric equipment calibration – Mass measurement method (1 mL - 500 L) Volumetric equipment calibration – Volumetric Method (2 L - 5000 L)
<b>Electrical power and Energy</b>	Comparator on electrical power and energy (Up to 10 mA to 120 A, 300V) MTE K2006 Three phase comparator (0.01%)
<b>Chemical</b>	(Secondary Buffer Solutions)- pH-0-14 (Reference Solutions - Alcohol in blood)- 50 mg/100 mL, 80 mg/100 mL, 150 mg/100 mL ( Secondary Conductivity Solutions) 84 mg/cm, 1413 mg/cm, 12.9 mg/cm , 111.8 mg/cm
<b>Humidity</b>	Humidity rooms (from -40 $^{\circ}$ C to 180 $^{\circ}$ C) equipment measuring humidity (10 % - 90 % RH)

Table 2

### 1.3.1.2. Establishment of Traceability of Measurements

Establishment of measurements traceability for measurements in Sri Lanka is a responsibility of National Measurement Laboratory. Sri Lanka standards maintained at the National Measurement Laboratory are calibrated by a National Measurement Laboratory of a foreign country according to the Measurement Units, Standards and Services Act. The foreign national measurement laboratory should be an internationally accepted laboratory by publishing Calibration and Measurement Capabilities (CMCs) in key Comparison Data Base (KCDB) of Bureau of Weights and Measures (BIPM) website.

### 1.3.1.3 Participation of Inter-Laboratory Comparisons

Inter-laboratory comparisons are exercised to maintain the equality of measurements done by calibration and testing laboratories.

The National Measurement Laboratory participates in international inter comparisons to demonstrate that measurements done in Sri Lanka has similar values with measurements done in other countries. This is important to prove the competence of measurements done in Sri Lanka to reduce trade barriers in international trade. Furthermore, National Measurement Laboratory facilitate local inter laboratory inter comparisons exercise to verify the accuracy of calibration certificates issued by local calibration laboratories.

### 1.3.1.4 Maintenance of SI units



The definitions of SI units in current usage were decided to revise at the 26<sup>th</sup> session of the General Conference on Weights and Measures (CGPM) held on 16<sup>th</sup> November 2018. Accordingly, they agreed to revise the SI units, changing the definition of the kilogram, the ampere, the kelvin, and the mole.

All SI units are defined in terms of constants that describe the natural world from 20<sup>th</sup> May 2019 from this decision that was made at the 26<sup>th</sup> session of the General Conference on Weights and Measures (CGPM). This will assure the future stability of the SI and open the opportunity for the use of new technologies, including quantum technologies, to implement the definitions. The seven defining constants of the SI are given in Table 3.

#### Seven defining constants of the SI

Defining constant	Symbol	Numerical value	Unit
Ground-state hyperfine transition frequency of Cs -133	$\Delta\nu_{Cs}$	9 192 631 770	Hz
Speed of light in vacuum	$c$	299 792 458	m s <sup>-1</sup>
Planck constant	$h$	6.626 070 15 x 10 <sup>-34</sup>	J s
Elementary charge	$e$	1.602 176 634 x 10 <sup>-19</sup>	C
Boltzmann constant	$k$	1.380 649 x 10 <sup>-23</sup>	J K <sup>-1</sup>
Avogadro constant	$N_A$	6.022 140 76 x 10 <sup>23</sup>	mol <sup>-1</sup>
Luminous efficacy	$K_{cd}$	683	lm W <sup>-1</sup>

Table 3

### 1.3.1.5 Generation and Broadcasting the Standard Time of Sri Lanka

MUSSD possesses the honor to be the pioneer of generating and broadcasting the Standard Time in Sri Lanka since 2011. Sri Lanka Standard Time was launched by Time and Frequency Laboratory of NML as a new project in order to establish the islandwide unity of time. For the purpose a Rubidium Atomic Clock has been established to generate the accurate time in Sri Lanka in accordance with Universal Time Co-ordinates (UTC) and the new website [www.sltime.org](http://www.sltime.org) was launched in April 2011 to broadcast the accurate time. People are now able to set their time correctly *via* the website at any time of the day. All the respective parties are informed to set their clocks with accurate time using the website.

Presently time system consists of Cesium primary frequency standard. Time system was calibrated and now contributing to determination of UTC (Co-ordinated Universal Time) at BIPM. Time links to BIPM has been established for the traceability. NTP (Network Time Protocol) servers were established to dissemination of accurate time.

### **1.3.2 Activities of Industrial Metrology**

Industrial Metrology concerns how to apply measurement science to manufacturing and industrial processes. Ensuring the compliance of use of measuring instruments, industrial metrology addresses the application of measuring instruments in industry, and quality control of them. There the management of measuring instruments and industrial calibration are done according to the requirements of a quality production process.

Activities carried out by the department related to Industrial Metrology are as follows :

1. Providing necessary laboratory facilities for calibration of weights, measures, weighing and measuring instruments/systems used in production industry (including laboratory calibrations and onsite calibrations)
2. Inspection and verification of large-scale measuring instruments established in production and service industries
3. Providing necessary training and consultancy on resolving measurement problems raised in industrial measurements.

#### **1.3.2.1 Industrial Calibrations**

Calibration facilities for pressure gauges, thermometers, weights, scales and length measuring instruments, electrical measuring instruments, moisture meters, laboratory balances etc. which are used in industry, engineering or any other related field are now available at MUSSD. Calibration certificates are also issued with such calibrated instruments.



Industrial calibration is one of the main services provided by the National Measurement Laboratory. The calibration provided by NML is given below. Amendments of calibration charges are as per the extraordinary gazette No. 1921/54 dated 2 July 2015. Measures are being taken to revised the charges at present.






## The updated services provided by NML by the end of 2023

	Name of the Laboratory	Calibration Facilities provided
1	<b>Thermometry Laboratory</b>  	<ol style="list-style-type: none"> <li>1. Clinical Thermometer</li> <li>2. Digital Thermometers</li> <li>3. Dial thermometer probe</li> <li>4. RTD &amp; Thermocouple Thermometer</li> <li>5. Liquid in Glass Thermometer</li> <li>6. Maximum Registered Thermometer</li> <li>7. Min Max Thermometer</li> <li>8. Wall Thermometer</li> <li>9. Surface Probe</li> <li>10. Infrared Thermometer</li> <li>11. Standard Platinum Resistance Thermometer (Comparison Method)</li> <li>12. Standard Platinum Resistance Thermometer (Fixed Point Method)</li> <li>13. Industrial Thermocouple (Comparison Method)</li> <li>14. Industrial Thermocouple (Fixed Point Method)</li> <li>15. Liquid &amp; Dry Block Calibration Bath</li> <li>16. Temperature Chart Recorder</li> <li>17. Laboratory Oven &amp; Furnace</li> <li>18. Autoclave</li> <li>19. Incubator &amp; Water Bath</li> <li>20. Deep Freezer &amp; Refrigerator (Single Chamber, Dual or more Chambers)</li> <li>21. Cold Room (Room Temperature Measurement)</li> <li>22. Cold Room (with Thermal Switch Indicator)</li> <li>23. Thermal Switch/Controllers</li> <li>24. Data Loggers</li> </ol>
2	<b>Electric Power and Energy Laboratory</b>  	<ol style="list-style-type: none"> <li>1. kWh meter (single phase)</li> <li>2. kWh meter (Three phase)</li> <li>3. kVA meter (Three phase)</li> <li>4. Portable power/energy meter (single phase)</li> <li>5. Portable power/energy meter/energy (Three phase)</li> <li>6. Reference Meter (Used in meter testing benches/single phase)</li> <li>7. Reference Meter (Used in meter testing benches/three phase)</li> <li>8. Energy Meter (laboratory/stationary/ single phase)</li> <li>9. Energy Meter (laboratory/stationary / Three phase)</li> <li>10. Power Meter (Lab/ stationary/ single phase/ /Mobile)</li> <li>11. Power Meter (Lab/ stationary/ three phase/ /Mobile)</li> <li>12. Harmonic related measurements</li> </ol>

	Name of the Laboratory	Calibration Facilities provided
3	<b>Volumetric Laboratory</b> 	<ol style="list-style-type: none"> <li>1. Unsub divided Measures</li> <li>2. Volumetric measures</li> <li>3. Measuring cylinders</li> <li>4. Provers and large volume tank</li> <li>5. Micropipettes, Pipettes &amp; Burettes</li> </ol>
4	<b>Pressure Laboratory</b> 	<p>As per ISO 17025:2017, accreditation and international recognition was obtained. The following calibration services are provided by this laboratory.</p> <ol style="list-style-type: none"> <li>1. Gas Pressure gauges</li> <li>2. Hydraulic Pressure gauges</li> <li>3. Mercury Blood Pressure Meter</li> <li>4. Digital Blood Pressure Meter</li> <li>5. Barometric Pressure Measuring Devices</li> <li>6. Vacuum Pressure gauges (-100 kPa)</li> <li>7. Absolute pressure gauges</li> </ol>
5	<b>Mass Laboratory</b> 	<ol style="list-style-type: none"> <li>1. Weights (OIML Class E2, F1, F2, M)</li> <li>2. Industrial Weights (stainless steel / other)</li> <li>3. Balances – Electronic &amp; Mechanical (OIML accuracy class I, II, III &amp; IV )</li> <li>4. Paper Scale</li> <li>5. Crane Scale</li> <li>6. Hanging Scale</li> <li>7. Weighbridges</li> <li>8. Button Puller machine</li> <li>9. Hopper Scale</li> </ol>



	Name of the Laboratory	Calibration Facilities provided
6	<b>Dimension Laboratory</b> 	<ol style="list-style-type: none"> <li>1. Gauge Blocks</li> <li>2. Measuring Ruler</li> <li>3. Measuring Tapes</li> <li>4. Calipers</li> <li>5. Micrometers</li> <li>6. Height gauges</li> <li>7. Indicator gauges</li> <li>8. Thickness gauges</li> <li>9. Bore gauges</li> <li>10. Filer gauges</li> <li>11. Flatness measurements</li> <li>12. Microscopes</li> <li>13. Parallax measurements</li> <li>14. Line gauges</li> </ol>
7	<b>DC Electrical Laboratory</b> 	<ol style="list-style-type: none"> <li>1. Voltmeter (Direct Current/ Alternating current)</li> <li>2. Ammeter (Direct Current/ Alternating current)</li> <li>3. Ohmmeter</li> <li>4. Multi-meter</li> <li>5. Resistor</li> <li>6. Voltage Sources</li> <li>7. Current Sources</li> <li>8. Resistance Sources</li> </ol>
8	<b>Electric Time and Frequency Laboratory</b> 	<ol style="list-style-type: none"> <li>1. Time/ stop watch</li> <li>2. Frequency/ Tachometer</li> <li>3. Oscilloscope</li> <li>4. Waves generator</li> </ol>

	Name of the Laboratory	Calibration Facilities provided
9	<b>Chemical Laboratory</b> 	1. Alcolyzers 2. pH meters 3. Conductivity meters 4. Conducting of Proficiency Testing for laboratories
10	<b>Humidity Laboratory</b> 	1. Digital Hygrometers 2. Dry -Wet Bulb Thermometer




	Name of the Laboratory	Calibration Facilities provided
11	<b>Gas Standards Laboratory</b> 	O2, CO2, CO, HC measuring equipment
12	<b>Pattern Approval Laboratory</b>  <p>Lab 01</p>  <p>Lab 02</p>	<p>Provision of pattern approvals- New equipment and renewal of given pattern approval. (Equipment relevant to trade, Consumer Protection, Public defense Environmental protection)</p> <ol style="list-style-type: none"> <li>1. Weighing equipment used in trade</li> <li>2. Weighbridges</li> <li>3. Weighing equipment used for specific sectors (for industrial requirements)</li> <li>4. Speed measuring equipment</li> <li>5. Fuel Pumps</li> <li>6. Volumetric equipment</li> <li>7. Vehicle Fuel testing equipment</li> <li>8. Alcohol Analyzer</li> </ol>

Table 4

### **1.3.3 Activities of Legal Metrology**

Legal Metrology concerns the field of legal control of measurement. It is the process of certifying measures and measuring instruments to be complied with measurement laws in the country after the inspection of such instruments and measures according to the legal requirements on the use of measuring instruments. Necessary legal provisions have been provided *via* the Act No. 35 of 1995. Accordingly, law and regulations made are implemented throughout the sectors like health, public safety, environment, enabling taxation, protection of consumers and fair trade.

Activities under legal metrology implemented by Measurement Units, Standards and Services Department have been defined in the Act and its regulations. Weighing and measuring found in all the commercial transactions are controlled by the measurement law. Accordingly, the Act empowers the department to regulate legal metrological activities in the following ways.

01. Calibration of working standards and maintenance of such standards in district basis.  
(According to the Act, the District Secretary serves as the Superintendent of Measurement Units, Standards and Services and working standards are kept under the custody of him)
02. Initial and annual verification of weights, measures, weighing and measuring instruments used in trade.
03. Registration of manufacturers, importers, repairers and sellers of weights, measures, weighing and measuring instruments used in trade annually.
04. Protect consumers by implementing the penal section of the act.
05. Consumer and trader awareness on Legal Metrology.
06. Granting pattern approval of weights, measures, weighing and measuring instrument used in trade and industry (This service is provided by the National Measurement Laboratory)
07. Inspection and control of pre-packed commodities
08. Verification of measuring instruments related to road safety and health sector
09. Prosecution against persons who commit fraud measurements by conducting market raids.

#### **1.3.3.1 Re-verification of Working Standards**

Working standards used for verifying weights, measures and weighing and measuring instruments related to trade and industry have been retained under the custody of secretary of each district in the country. Calibration of working standards is done at the National Measurement Laboratory. Working standards include standard weights, standard volume measures, and standard-length measures.

### **1.3.3.2 Pattern Approvals**

The pattern approval is an attestation of any weight, measure or weighing/measuring instrument by a recognized laboratory after performing pattern test to check whether they are in conform with the measurement law in Sri Lanka, before they are sent to the market by a manufacture or before they are imported. Pattern approval is a technical assessment. The original model of the instrument is undergone through a series of tests at the National Measurement Laboratory. The design and the structure of each of the components of the instrument are checked against the recommendations on type approval defined by the International Organization of Legal Metrology (OIML). Subsequently, based on the evaluation of the test results a pattern approval is granted by MUSSD for the intended weights, and measuring instruments including vehicle emission testing units and fuel dispensers.

### **1.3.3.3 Verifications, Inspections, and Raids of Weighing and Measuring Instruments Conducted on District Basis**

Verification of weights, measures, weighing and measuring instruments used in trade is done by Inspectors of Measurement Services and Devices who assume duties at Measurement Units, Standards & Services Divisions of each District Secretariat. Field/mobile verification facilities are also provided at the verification centers established with the approval of the district secretary as well as service representatives as requested. Moreover, a mobile verification unit for weighbridges has been commissioned to verify annually all weigh bridges placed in every district. All fuel dispensers mounted at every fuel station in the country are verified once every year. For the particular purpose, a mobile Fuel Dispensers Verification Unit has been introduced. Also, emission testing equipment verification services are maintained.

Inspections and raid Programs are implemented by MUSSD to ensure that the weights, measures, weighing and measuring instruments used in the country are utilized in conformity with the weights and measures laws and regulations of the country. These programs help in consumer protection as well as maintaining an accurate measurement system in the country.

### **1.3.3.4 Inspection of Pre-Packed Commodities**

The commodities that have been packed before selling to the consumers are called Pre-Packed Commodities. Inspection of pre- packages is performed according to OIML recommendations to verify whether the net content (weight, volume, length etc.) mentioned on the package is actually available inside the package. When inspecting pre-packages, net contents of pre-packages that are arbitrary sampled from pre- packed goods available in the market are measured. Here number of pre-packages specified in the regulations are inspected and statistically analyzed. The final decision on the pre- packages by the department after would be based on the statistical analysis and regulations made on prepackages by the department after comparing the net content and the results against the recommended tolerance/permissible error. Further details are referred to the extraordinary gazette No. 1235/13 dated 06 May 2002 & No. 1499/7 dated 29 May 2007.

### **1.3.3.5 Registration of Private Entrepreneurs Engaged in Commercial Activities Controlled Over Legal Metrology**

Any organization or individual who is engaged in selling, manufacturing, importing or repairing of weights, measures, weighing and measuring instruments must register the names in the department as per section 21 of the Measurement Units, Standards and Services Act prior to 01<sup>st</sup> of January on each year. For that, the person must apply via a prescribed application form determined by the Director of Measurement Units, Standards and Services and the corresponding fees must be paid. The certificate issued in such registrations will be expired on 31<sup>st</sup> December of the year.

Before starting a business of repairing weights or measuring instruments, a person should appear for a practical examination conducted by MUSSD to prove his competencies and qualification related to such repair activities. Examination fees should be paid by the person.

Further, the workshop/ factory of the applicant is inspected by the officers of MUSSD to check whether the necessary tools and equipment are readily available for the repair purposes of weights, measures, weighing and measuring instruments.

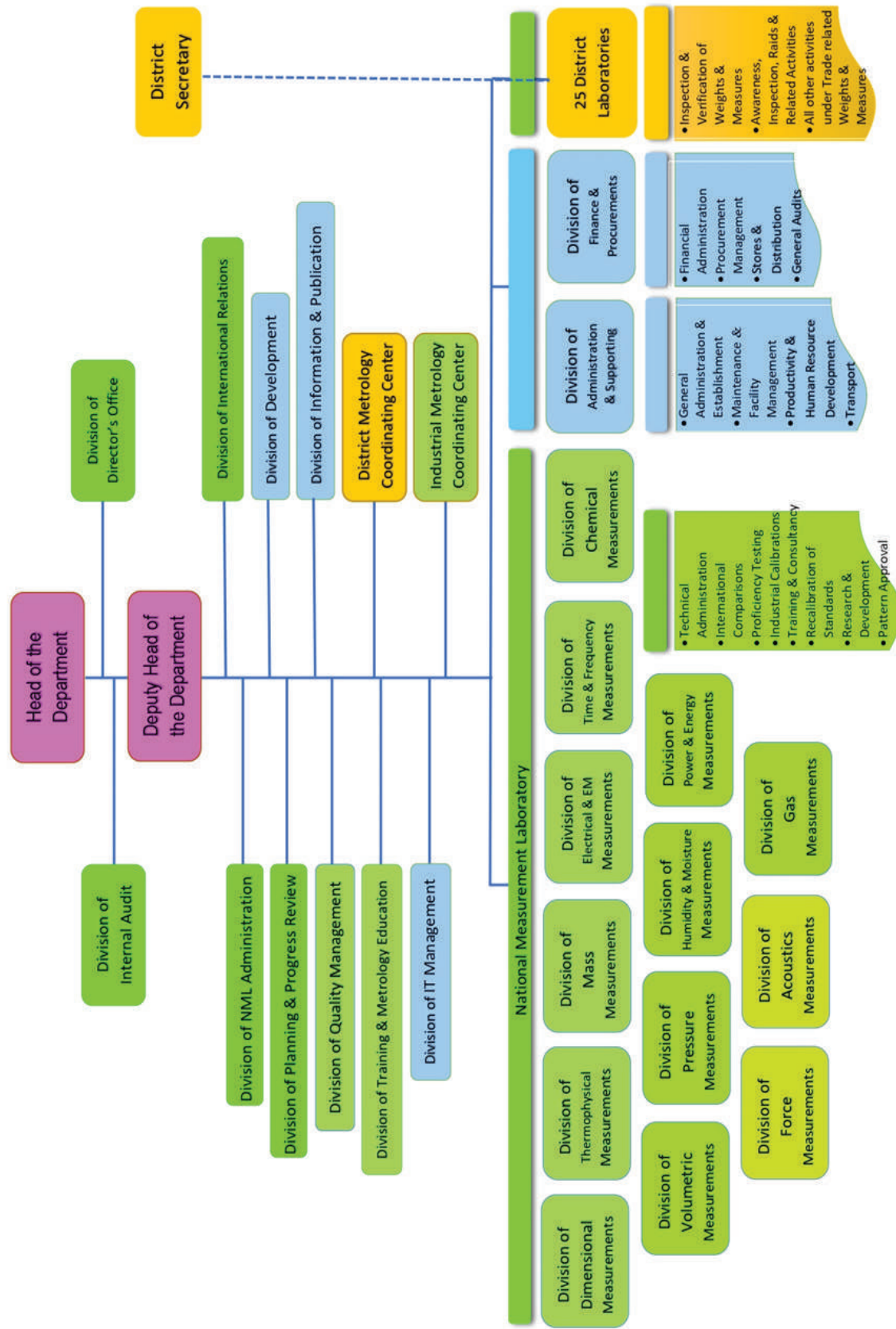
The repair license will be issued if the director is satisfied with the results of practical test and site inspection. (Table 18,19) The license cannot be alienated, Even the owner of the business changed, it is mandatory to have a qualified technical person in the business.

Registration fees and all related details have been published in the extraordinary gazette No. 1921/54 dated 02<sup>nd</sup> of July 2015.

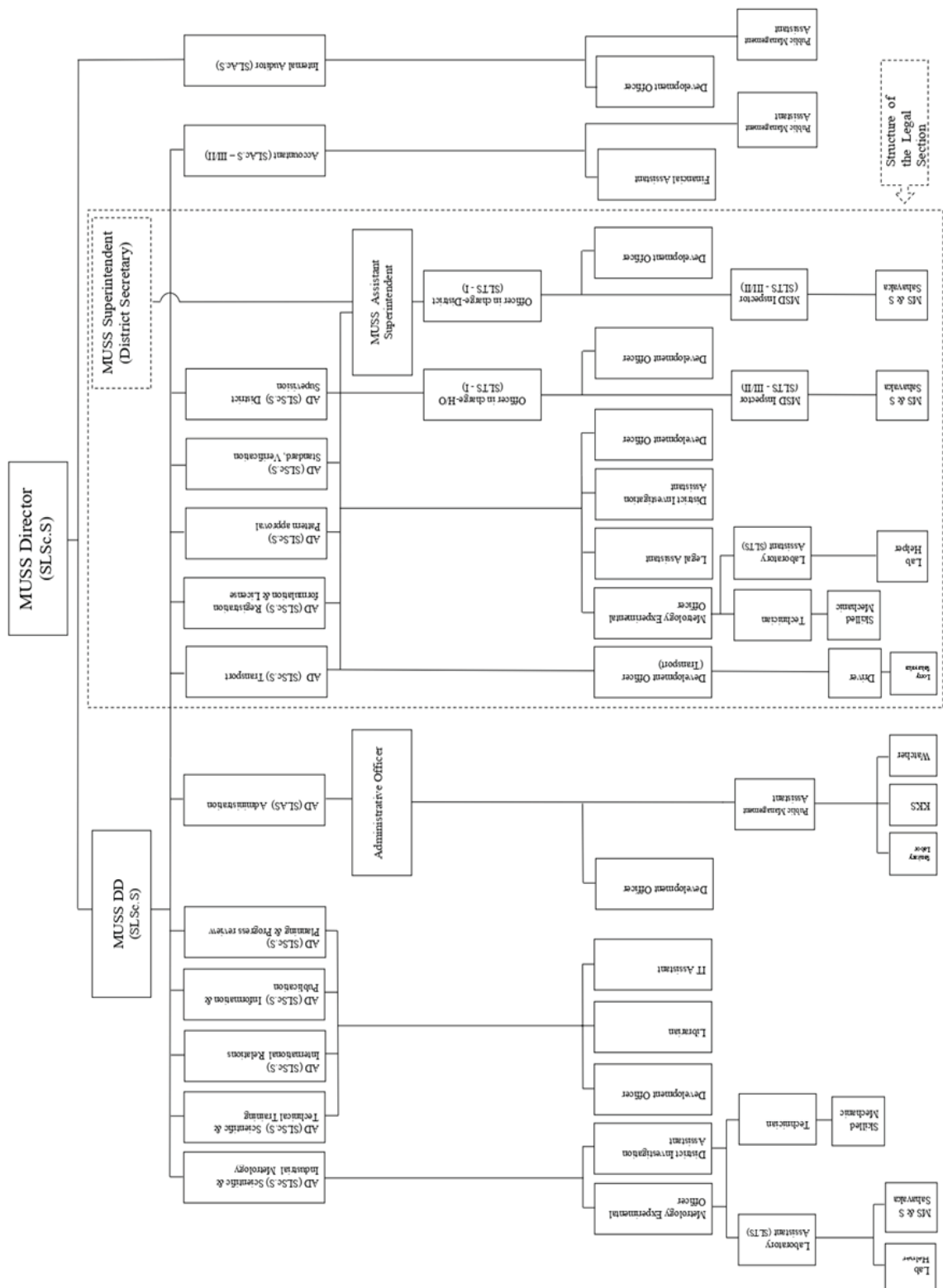


## 1.4 Organization Chart

Organization Structure - Measurements Units, Standards & Services Department



## Staff Organizational Chart





### 1.5 Departments under the Ministry/ Main Divisions of the Department/ Divisional Secretariats prevailing under District Secretariat

District office	Address	Telephone No.
Colombo	District Secretary, Measurement Units, Standards and Services Division, District Secretariat Narahenpita, Colombo 5	0112-500987
Gampaha	District Secretary, Measurement Units, Standards and Services Division, District Secretariat, Gampaha	0332-221664
Kalutara	District Secretary, Measurement Units, Standards and Services Division, District Secretariat, Kalutara	0342-221765
Puttalam	District Secretary, Measurement Units, Standards and Services Division, District Secretariat, Puttalam	0322-266189
Kurunegala	District Secretary, Measurement Units, Standards and Services Division, District Secretariat, Kurunagala	0372-228770
Kegalle	District Secretary, Measurement Units, Standards and Services Division, District Secretariat, Kegalle	0352-221323
Ratnapura	District Secretary, Measurement Units, Standards and Services Division, District Secretariat, Ratnapura	0452-226299
Galle	District Secretary, Measurement Units, Standards and Services Division, District Secretariat, Galle	0912-231211
Matara	District Secretary, Measurement Units, Standards and Services Division, District Secretariat, Matara	0412-237079
Hambantota	District Secretary, Measurement Units, Standards and Services Division, District Secretariat, Hambantota	0472-256160
Monaragala	District Secretary, Measurement Units, Standards and Services Division, District Secretariat, Monaragala	0552-277406
Badulla	District Secretary, Measurement Units, Standards and Services Division, District Secretariat, Badulla	0552-228200
Nuwara Eliya	District Secretary, Measurement Units, Standards and Services Division, District Secretariat, Nuwara Eliya	0522-235703
Kandy	District Secretary, Measurement Units, Standards and Services Division, District Secretariat, Kandy	0812-239971
Mathale	District Secretary, Measurement Units, Standards and Services Division, District Secretariat, Mathale	0662-222135
Anuradhapura	District Secretary, Measurement Units, Standards and Services Division, District Secretariat, Anuradhapura	0252-225190

District office	Address	Telephone No.
Polonnaruwa	District Secretary, Measurement Units, Standards and Services Division, District Secretariat, Polonnaruwa	0272-226706
Batticaloa	District Secretary, Measurement Units, Standards and Services Division, District Secretariat, Batticaloa	0652-226584
Ampara	District Secretary, Measurement Units, Standards and Services Division, District Secretariat, Ampara	0632-222982
Vavuniya	District Secretary, Measurement Units, Standards and Services Division, District Secretariat, Vavuniya	0242-224816
Jaffna	District Secretary, Measurement Units, Standards and Services Division, District Secretariat, Jaffna	0212-217399
Mullaitivu	District Secretary, Measurement Units, Standards and Services Division, District Secretariat, Mullaitivu	-
Mannar	District Secretary, Measurement Units, Standards and Services Division, District Secretariat, Manar	0242-224816
Kilinochchi	District Secretary, Measurement Units, Standards and Services Division, District Secretariat, Kilinochchi	-
Trincomalee	District Secretary, Measurement Units, Standards and Services Division, District Secretariat, Trincomalee	0262-050800

Table 5

## 1.6 Institution/ Funds prevailing under the Ministry/ Department/ Provincial Council

## 1.7 Details of the Foreign Funded Projects



### 1.7.1 Memberships

Relations in metrological perspectives are created with various countries in order to maintain the international and regional corporation of Metrology. It also helps to establish international traceability of measurement and overcome the technical barriers arise in trade. International relations are essential further to provide a secure basis for scientific and other measurement practices we have and to reduce technical disputes arising in many countries.

#### Associate member Meter Convention and General Conference of Weights and Measures.



Meter Convention is a conference held on 1875 with a participation of 17 countries to maintain an accord internationally on measurements. The Meter Convention (Convention du Meter) is the body that created the BIPM which is an intergovernmental organization under the authority of the CGPM and the supervision of the CIPM as its administrative and scientific organ.

The General Conference on Weights and Measures (CGPM) is made up of delegates of the governments of the Member States and observers from the Associates of the CGPM. The CGPM meets in Paris, usually once in every four years. One of main activity of CGPM is to discuss and examines the arrangements required to ensure the propagation and improvement of the International System of Units (SI).

MUSSD has become a signatory of CIPM-MRA in 2007 and obtained the Associate membership on the General Conference on Weights and Measures (CGPM).

#### Signatory of CIPM Mutual Recognition Arrangement (CIPM-MRA)



The CIPM Mutual Recognition Arrangement (CIPM MRA) is the framework through which National Metrology Institutes demonstrate the international equivalence of their measurement standards and the calibration and measurement certificates they issue.

The outcomes of the Arrangement are the internationally recognized (peer-reviewed and approved) Calibration and Measurement Capabilities (CMCs) of the participating institutes. Approved CMCs and supporting technical data are publicly available in the key Comparison (KCDB) in BIPM web site. MUSSD has become a signatory of CIPM-MRA in 2007 and is in the process of publishing CMC values in KCDB.



#### Full Membership of The International Organization of Legal Metrology (OIML)

The International Organization of Legal Metrology (OIML) is an intergovernmental treaty organization which develops model regulations, standards and related documents for use by legal metrology authorities and industry, provides mutual recognition systems which reduce trade barriers and costs in a global market etc. The OIML can be considered as “International standard-setting body” of the World Trade Organization’s Technical Barriers to Trade Agreement. OIML publications should therefore be applied, when appropriate, by all signatories of the TBT Agreement when developing technical regulations.

The International Committee of Legal Metrology (CML) is the functional decision-making body of OIML. Sri Lanka is full member state of OIML and MUSSD is the main permanent contact of the OIML designated by government of Sri Lanka.

### Full Member of the Asia Pacific Metrology Program (APMP)



The Asia Pacific Metrology Program (APMP) is a grouping of National Metrology institutes (NMIs) from the Asia-Pacific region engaged in improving regional metrological capability through the sharing of expertise and exchange of technical services among Member laboratories. APMP is also the Asia Pacific regional metrology organization recognized by the International Committee on Weights and Measures (CIPM) in the process of achieving mutual recognition of measurement standards and calibrations and measurement certificates worldwide.

MUSSD is a member of APMP since 1977. The department actively participates to 9 technical committees and 6 focus groups.

**The chairmanship** of the committee on developing countries at the Asia Pacific Metrology program of 2021 was received to the **Deputy Director of MUSSD, Mr. S.D.I. Dias** for the first time for a period of 3 years starting from 2022.

### 1.7.2 Benefits of projects

#### PTB-Sri Lanka bi-lateral Project

##### Strengthening Quality Infrastructure in Sri Lanka



PTB is the National Metrology Institute (NMI) of Germany. It supports developing and emerging countries to develop and apply an internationally recognized quality infrastructure that suits the countries' needs. Objective of the PTB-Sri Lanka bi-lateral project is to increase the use of the enhanced offer of quality-assurance services based on international good practices by Small and Medium-sized Enterprises (SME) located in the Northern region. The MUSSD act as a main project partner in national level of this project. Benefits are received from this project for training, consultation services and development of measurement activities for the National Measurement Laboratory.

The project includes the core institutions of the national Quality Infrastructure (MUSSD, ITI, SLSI and SLAB) as well as regional laboratories, local chambers and federations in the North and North Central provinces.

### SAARC-PTB Project

#### **Strengthening regional integration and cooperation in the field of quality infrastructure in South Asia.**

The project focuses on capacity development in quality infrastructure by facilitating the exchange of expertise and information among SAARC Member States. MUSSD has been a beneficiary of the SAARC-PTB project (i.e. Training Programmes, workshops) of the project as the National Measurement Institution (NMI) of Sri Lanka. Furthermore, MUSSD has participated in inter-laboratory comparisons organized under SAARC-PTB project to demonstrate measurement capacities of the National Measurement Laboratory (NML) of MUSSD. This project is financed by the Federal Ministry for Economic Cooperation and Development (BMZ), Germany through the National Metrology Institute of Germany, PTB.

### MEDEA-PTB Project



The project aims to improve the ability of the regional metrology specialist networks in Asia – the Asia Pacific Metrology Program (APMP) and the Asia-Pacific Legal Metrology Forum (APLMF) – to promote the metrological systems of developing economies, which provide special offers for national metrology institutes (NMI) and legal metrology authorities (LMA) in Asia, respectively. This project is financed by the Federal Ministry for Economic Cooperation and Development (BMZ), Germany through the National Metrology Institute of Germany, PTB.

### UNIDO Project



UNIDO has been working closely with Sri Lanka's national quality infrastructure (NQI) institutes to facilitate the strengthening of compliance and quality infrastructure services. Special areas of focus are those underpinning the export-oriented sectors, such as spices and processed foods. These activities take place within the framework of a European Union (EU)–Sri Lanka trade-related assistance project, funded by the EU. The new project of UNIDO organization is currently in process to provide quality infrastructure in order to strengthen the food security and defense of Sri Lanka. The MUSSD acts as a main project partner in this project as well. Training, consultation services and equipment for measurement laboratories as foreign donations are provided by this project.



## Progress and Outlook

### Special Achievements

- **Obtaining CMC international recognition**

#### Volumetric Laboratory

We have been able to accredit the Volumetric Laboratory, and Dimensional Laboratory by establishing and maintaining the Quality Management System (QMS) as well as preparing the technical manual and meeting the requirements of ISO/IEC 17025:2017.

- **Establishment of Trade Data System & Sticking stickers on measuring equipments**

Our Department has worked to prepare a trade data system by including the information of the shops that use all the weighing and measuring devices scattered across Sri Lanka.

From the year 2023, stickers will be affixed to the measuring devices so that the customer can identify them in every weighing and measuring device verified by our Department by placing stamps on the said measuring devices. At present, around 260,000 stickers have been printed and distributed among the district offices for this purpose.

- **Purchase of two modified buses**

A District Measurement Unit, Standards and Service Division has been established under each District Secretariat to regulate the weighing and measuring activities carried out in all commercial activities.

Two modified buses were provided to suit the needs of the Department in order to remedy the lack of adequate transport facilities, which was a major problem in bringing the services provided by the above District Measurement Unit, Standards and Service Divisions to the public.

Our Department has been able to provide an efficient service covering all the areas within a district by means of buses equipped with a mobile measuring service laboratory that provides those measuring services.

This has made it possible to complete many different daily measurement service duties in one day, to make the department services customer friendly, and to improve the quality and quantity of the services.

## 2.1 Establishment of Traceability of Measurements in the National Measurement Laboratory

Information regarding traceability of Measurements in the National Measurement Laboratory up to 2023 are given below.

Standard / Measurement	National Institute of Metrology / Reference Standard
Standard Platinum Resistance Thermometer	National Institute of Metrology UK (NPL-UK)
PH Measurements conductivity Amount of Alcohol in blood Secondary	Secondary Buffer Solution
	Secondary standard conductive solution
	Certified Reference Material in blood
Cs atomic watch	Bureau of International Weights and Measures (BIPM)
Gauge Blocks 00 Series - Ceramic (0.5-100 mm) Gauge Blocks Grade 1 - Steel (0.1-1 mm) He/Ne Lazer Source (Red)	National Metrology Institute Finland (VTT MIKES)

Table 6

## 2.2 Participation to Inter Laboratory Comparisons

Laboratory	Measurement	Inter-comparison
Thermometry	Glass-liquid thermometers PT 100 -35 °C to 280 °C	Inter-comparison DEC APMP/TCT/LIGT
Time and frequency	Time and frequency	CCTF-K001.UTC
Pressure	Liquid pressure gauge (700 bar)	Issuing the final report of the <b>Regional Proficiency Testing (PT 01)</b> conducted to support the countries to obtain accreditation according to <b>ISO 17025</b> by serving as the pilot laboratory for intercomparison between Nepal, Uzbekistan, Mongolia and Kyrgyzstan.
Mass	E2 weights with E1 weights (100 mg, 1 g, 50 g, 200 g & 1 Kg)	Inter comparison with NIMT APMP.M.M.H1-2023

Table 7



## 2.3 Research and Development Affairs - 2023

Experiments are conducted to assure the quality of maintenance and distribution of various measurement standards of National measurement laboratory. Further, calibration procedures are developed frequently to calibrate measuring instruments used in the industry. Each section of the National Measurement Laboratory is detailed below.

### **Division of Mass Measurements**

- Completed establishing a mass comparator of CCE 1000S-L.
- Real Time Temperature and Humidity Monitoring System (IoT Project)
- 40 weights of M1 category with a weight of 20 Kg and 50 weights of M1 category with a weight of 20 Kg were received by the laboratory for establishing measurement traceability in district offices and calibration laboratory by the Mass Measurement Laboratory.
- The mass measurement laboratory submitted applications in December for certification of accreditation for Class E2, from 1 mg to 2 Kg weights calibration.

### **Division of Thermophysical Measurements**

- Ability to increase the calibration range of glass-liquid thermometers (Lights) from -35° C to 280° C.
- Ability to increase accuracy from 0.001 ° C to 0.000001 ° C for Digital Temperature Probes.
- Conducting research and development on Digital Thermocouple calibration.
- Verifying the Accuracy of LIGTs using two different medium.
- Verifying the Accuracy of TCs using two different directions.
- Verifying the Accuracy of High Temperature Data Loggers using two different medium
- Installation of laboratory system for calibrating glass-liquid thermometers for high temperature ranges.

### **Division of Humidity & Moisture**

- Initiating a research and development process required to establish a procedure to calibrate the moisture meter used in the cinnamon industry.

### **Division of Dimensional Measurements**

- **Update of calibration procedure of rulers.**

The model equation of this calibration was replaced by a new equation taking into account the thermal effect on the ruler during the calibration. Uncertainty analysis is also amended according to the new model equation.

- **Calibration of a K grade 11 pieces set of TC gauge blocks first time.**

The first time of calibrating a K grade 11 pieces set used for comparator calibration. This set was compared against our K grade 11 pieces set traceable to PTB

- **Preliminary study on calibration of Gauge blocks comparators was conducted.**

A study was conducted on calibration of Gauge blocks comparators by using the K grade special set of gauge blocks traceable to PTB Germany.

- **Study of contact deformation and vertical shrinkage of gauge blocks.**

A study was conducted to determine the effect of contact deformation and vertical shrinkage of long gauge blocks. These two factors are not considered significant in the usual practice. So it is expected to study the two parameters affecting the central deviation of long gauge blocks. Long gauge blocks manufactured by three reputed companies were used to study these effects.

- **Revision of calibration procedure of rulers.**

As per the advice from the peer reviewer Dr. C.S. Kang the model equation of the ruler calibration was amended by adding a length dependent term. Accordingly, the uncertainty analysis section was also updated. This new model is to be used when determining CMC for ruler calibration.

- **Cosine error and Abbe error determination.**

A study was implemented to find quantitatively the cosine error contribution to the ruler calibration. In this case the Agilent 5519A laser and the applicable optics were used to find the Abbe error of the BMG2000 calibrator in the range of 2000 mm. the cosine error was determined by visual inspection of the drift from 0 to 2000 mm position

- **Impact of Thermal stability measurement when calibrating rulers.**

A study was performed to identify the behaviour of thermal stabilization of a 2 m steel ruler and the scale of the BMG2000 tape calibrator. Three temperature measurements were taken continuously for several days at left end, middle, and right end of the tape calibrator as well as the 2 m long ruler. It was found that the temperature of right-hand end of the machine as well as the ruler have a lower temperature than expected. A temperature deviation is observed because of uneven distribution of airflow of the AC machine. As a remedy a big screen with a poly ethylene was introduced in front of the tape calibrator such that it covers the right-hand end of the measurement bench.

- **A test was conducted to observe Temperature measurement of calipers.**

A new study was started to measure the temperature effect of calipers during calibrations. Two types of gloves also were tested to identify their thermal conduction during caliper calibration. Calipers of 300 mm and 150 mm ranges were used in this study. It was found that for a 30 min continuous holding by hand result in about 6 Celsius increases in temperature of the caliper beam. Even though gloves are used to hold calipers it was found that the beam temperature is increasing beyond 21 Celsius. Hence, wearing gloves does not prevent enough the thermal conduction from hands during the calibration of calipers. According to this study the temperature effect is concerned very much than earlier when use the calibration procedure of calipers.

#### **Divisions of Volumetric and Pressure Measurements**

- Initiation of the necessary process to prepare the necessary methods for calibrating the equipment used in the field of Infusion Pump/Syringe Pump and provide calibration facilities to those fields together with the laboratories of volumetric and pressure.

#### **Division of DC Electrical Measurements**

- Evaluation of maximum capabilities, drift and short-term stability of measurement of direct current from 1 mA to 20 A.
- Evaluation of Maximum capabilities, drift and short – term stability of measurement of Resistance 1  $\Omega$ , 100  $\Omega$  and 10 K $\Omega$  by ratio measurements and direct measurements.

#### **Division of Volumetric Measurements**

- Preparation of Technical Guideline to Calibrate Flow Meters using Standards Provers as per the OIMLR120 Guideline.

#### **Division of Pressure Measurements**

- Establishing a methodology and equipment plan for the calibration of pressure equipment used to measure environmental atmospheric pressure.
- Testing of Non-Invasive Sphygmomanometers (Automatic and Non -Automatic).

## **2.4 Training and Consultancy Conducted by NML in 2023**

Training Course	Charges in Rs.	Number of participants
Calibration of Weights and Uncertainty Calculation	30,000.00	04
Evaluation and Expression of Uncertainty in Measurement (for physical measurement)	127,500.00	17
Calibration of Pressure Gauges	67,500.00	09
Dimensional Metrology	82,500.00	11
Principle of Measurement Uncertainty & Application in Physical & Chemical Testing Fields	75,000.00	25
Calibration of Volumetric Apertures using Gravimetric Method	30,000.00	4
Evaluation and Expression of Uncertainty in Measurement (for physical measurement)	37,500.00	5
Basic Course on Calibration of Electrical and Time & Frequency Instruments	112,500.00	15
Total	<b>562,500.00</b>	<b>90</b>

Table 8

- √ Providing consultancy services and carrying out research and development process for manufacturing digital industrial thermometers. Accordingly, in 2023, 18 thermometers and 31 temperature sensors have been processed and numbered to be presented to the foreign market.

√ Lectures on ultra-precise measurements were given to 73 students of the Faculty of Technology of the University of Colombo and lectures on metrology were given to 36 students of the Faculty of Technology of the University of Vavuniya.

√ Internship offered to students of several local universities

Date	No. of Students	University	Laboratory
2022.09.05-2023.03.05	01	Sabaragamuwa University of Sri Lanka	Volumetric Laboratory
2022.09.05-2023.03.05	01	Sabaragamuwa University of Sri Lanka	Dimensional Laboratory
2022.09.05-2023.03.05	01	Sabaragamuwa University of Sri Lanka	Laboratory on Electric Power and Energy
2023.05.02-2023.07.21	01	University of Sri Jayawardenepura	
2022.09.05-2023.03.05	02	University of Sri Jayawardenepura	Laboratory on Mass
2023.05.02-2023.07.21	01	University of Sri Jayawardenepura	
2023.01.23-2023.03.23	01	University of Vavuniya, Sri Lanka	
2023.01.23-2023.03.23	02	University of Vavuniya, Sri Lanka	Chemical Laboratory
2023.05.02-2023.07.21	01	University of Sri Jayawardenepura	Laboratory on DC Electricity

Table 9

## 2.5 Progress of International Relations - 2023

The MUSSD has maintained following international relations related to Metrology by now.

### 2.5.1 Full membership of Asia Pacific Metrology Program (APMP)

MUSSD has participated in following APMP meetings in 2023 as follows.

- Asia Pacific Metrology Program Mid-Year Meeting  
Ulambata, Mongolia  
From 12<sup>th</sup> to 16<sup>th</sup> July, 2023

Representing the Department of Measurement Units, Standards and Services, Deputy Director, Mr. S.D.I. Dias as the Chairman of the Developing Committee of the Asian Pacific Metrology Program and Deputy Director, Mr.R.G.S.A. Perera attended for this event.

- Asia Pacific Metrology Program Year - End meeting  
Shenzhen, China  
From 27<sup>th</sup> November to 3<sup>rd</sup> December  
Deputy Director Mr. S.D.I. Dias as the Chairman of the Developing Economies' Committee (DEC) of the Asian Pacific Metrology Program, Deputy Director Mrs. J.S.M. Silva and Mr. H.L.I.S. Sampath participated for this event representing the Department of Measurement Units, Standards and Services.
- Deputy Director for Technical Committees of the Asia Pacific Metrology Program (APMP) held in Shenzhen, China. Mr. S.D.I. Dias, Deputy Director, Mrs. J.S.M. Silva and Mr. H.L.I.S. Sampath participated live and Deputy Directors of Departments who are the other committee members participated via online.

#### Technical Committees

- √ TCT - Temperature - Director – Mr. S.N. Akuranthilake
- √ TCL – Length and Dimensions – Mr. A.D.D. Naminda
- √ TCM - Mass Coupling Quantities – Deputy Director - Mrs. J.S.M. Silva and Mrs. K.S. Mallawarachchi
- √ TCTF – Time and Frequency - Deputy Director - Mr. R.G.S.A. Perera
- √ TCQM - Quantification of Materials, Chemistry, Biology and Metrology- Deputy Director - Mr. S.D.I. Dias
- √ TCEM - Electricity and magnetism - Deputy Director - Mr. R.G.S.A. Perera and Mr. R.D.M. Alanka
- √ TCPR - Photometry and Radiometry - Deputy Director - Mr. R.D.M. Alanka
- √ TCFF - Materials and Flows - Deputy Director - Mr. H.L.I.S. Sampath
- √ TCQS - Quality Systems - Deputy Director - Mr. R.G.S.A. Perera

Energy Efficiency Focus Group - Deputy Director - Mr. R.D.M. Alanka and Mrs. Chandrika Garusinghe were participated.

- Mr. S.D.I. Dias, Deputy Director of the Department, participated in the Annual General Meeting of the Asia Pacific Metrology Program held on 02<sup>nd</sup> and 03<sup>rd</sup> of December, 2023.
- Asia Pacific Metrology Program Directors Conference was attended by Department Director Mr. S.N. Akuranthilake via online and Deputy Director Mr. S. D. I. Dias also participated as the Chairman of the Development Economy Committee of the Asia Pacific Metrology Program.

#### **Program of the Developing Economies' Committee on Asian Pacific Metrology Program (APMP - DEC).**

- Support for Capabilities Measurement Capabilities in regional countries being organized under the APMP DEC Task Force was conducted in the year 2023. Mass Measurement Laboratory of the National Measurement Laboratory participating in the said program.
- Online Counselling Topic: DEC Task Force for Support to Publish CMC's for Mass Resource Contribution: Mrs. Ransiya -Consultant in Mass Measurement at NIMT  
Training Period : From 10<sup>th</sup> of January 2023 to 14<sup>th</sup> of December 2023
- The following training programs were conducted via online under APMP DEC Task Force.
  - √ Calculation of measurement uncertainties
  - √ Laboratory Quality Management ISO 17025
  - √ Recommendations on mass measurement R111  
Mass Metrology OIML Recommendation R111  
Mass Metrology, Calibration of Mass Standard & Understanding of Calibration Certificate



## **2.5.2 PTB National Metrology Institute of Germany - Physikalisch Technische Bundesanstalt Sri Lanka Bilateral Projects)**

**Institution - German National Institute of Metrology**

**Name of the project - National Quality Infrastructure Development Project – Phase I/ II  
Strengthening Quality Infrastructure in Sri Lanka – Phase I/ II (2016- 2023)**

The second phase of the PTB project involved the development of national quality infrastructure in Sri Lanka. Department of Measurement Units, Standards and Services acted as a National Level Major Project Partner in this project. Various benefits in training, consultancy services and metrology development were received for the National Measurement Laboratory (NML).

**The following activities were carried out with the support of the year 2023 PTB project.**

- Conducting a two-day training program for the personnel of the mass measurement laboratory by Ms. Anett Matbadal, a mass measurement consultant. (25<sup>th</sup> & 26<sup>th</sup> of April, 2023)
- On the occasion of the completion of the second phase of the national quality infrastructure development project, Mr. Uwe Messner, the head of the Asian region of the German National Metrology Institute, held a discussion with the department heads on December 11, 2023 and also engaged in an observation tour of the National Measurement Laboratory.
- The National Quality Infrastructure Development Project Completion Workshop was held on December 13, 2023 at the Cinnamon Lakeside Hotel in Colombo and was attended by the Department Director and Deputy Directors.



### **2.5.3 MEDEA - PTB Project**

#### **Contribution of MEDEA - PTB project to the activities of the National Measurement Laboratory**

- Providing financial contribution for Mr. Tawat Changpan, a barometer expert who came to Sri Lanka to prepare reports for the laboratory's equipment, which will be used for regional intercomparisons developed by the barometer laboratory in July.
- Providing financial contribution to Deputy Director Mr. S.D.I. Dias to participate in the MEDEA-DEC Strategic Plan Review Workshop held in Bangkok, Thailand in February.
- Providing financial contribution to Deputy Director, Mr. R.G.S.A. Perera to participate for the digital calibration certification training held at National Measurement Laboratory, Thailand in August.
- Providing financial contribution to Deputy Director, Mrs. J.S.M. Silva for the MEDEA – Calibration Capabilities for Infusion / Syringe pump analyzers training program held at the National Measurement Laboratory of Thailand in April.
- Providing financial contribution to Deputy Directress, Mrs. J.S.M. Silva to participate in the Metrology in Acoustics, Ultrasound and Vibration training program held in June in Korea in conjunction with the National Measurement Laboratory of South Korea and the Global Academy of Measurement.
- Providing financial contribution to Deputy Director, Mr. R.D.M. Alanka and the measurement inspection officer, Mrs. G.D.S.C. Garusinghe for workshop on Measurement of Sustainable Energy of Thailand held in August.

### **2.5.4 UNIDO Project**

#### **Organization - United Nations Industrial Development Organization**

#### **Project Name - Mainstreaming Standards Based Best Practices for Agri-Food Sector Development. (2021-2023)**

The organization's new project aims to provide quality infrastructure to strengthen food security and safety in Sri Lanka. Measurement Units, Standards and Services Department will be the main project partner in this project. This project will provide equipment for metrology fields related to the above project of the National Measurement Laboratory as foreign aid.

#### **The following activities were carried out with project support in the year 2023 (UNIDO).**

- Counselor Xavier Gomez conducted a counseling program for the personnel of the Moisture and Humidity Laboratory in January and May.
- A two-day training program was conducted in July for the personnel of the Moisture and Humidity Laboratory.

- Conducting one day training program in September for the officers of Moisture and Humidity Laboratory.
- Deputy Director, Mr. S.D.I. Dias, Deputy Director Mrs. J.S.M. Silva and Mr. H.L.I.S. Sampath participated live for Technical Committees of the Asia Pacific Metrology Program (APMP) held in Shenzhen, China while financial contribution was provided to attend the conference.

#### **2.5.5. Coordination of UNIDO and PTB projects**

- A project review meeting was held at the departmental premises during the first quarter of 2023 with the Departmental Director and Deputy Directors with bilateral involvement of PTB Project Officers and UNIDO Project Officers. In this occasion, they also engaged in an observation tour of the National Measurement Laboratory.
- Providing financial contribution for metrology expert Mr. Goutam Mandal who participated in the Peer Review of the Volumetric Laboratory in January.
- Financial support for Mrs. Rungsiys Sukhon, a metrology expert, who participated in a Pre Peer Review and Hybrid Comparison in the mass measurement laboratory in May. (May 23, 2023 to May 29, 2023)

#### **2.5.6. Other Meetings**

- Prior discussion with VTT MIKES Institute on innovation of Gauge Blocks Interferometer. This was conducted online.

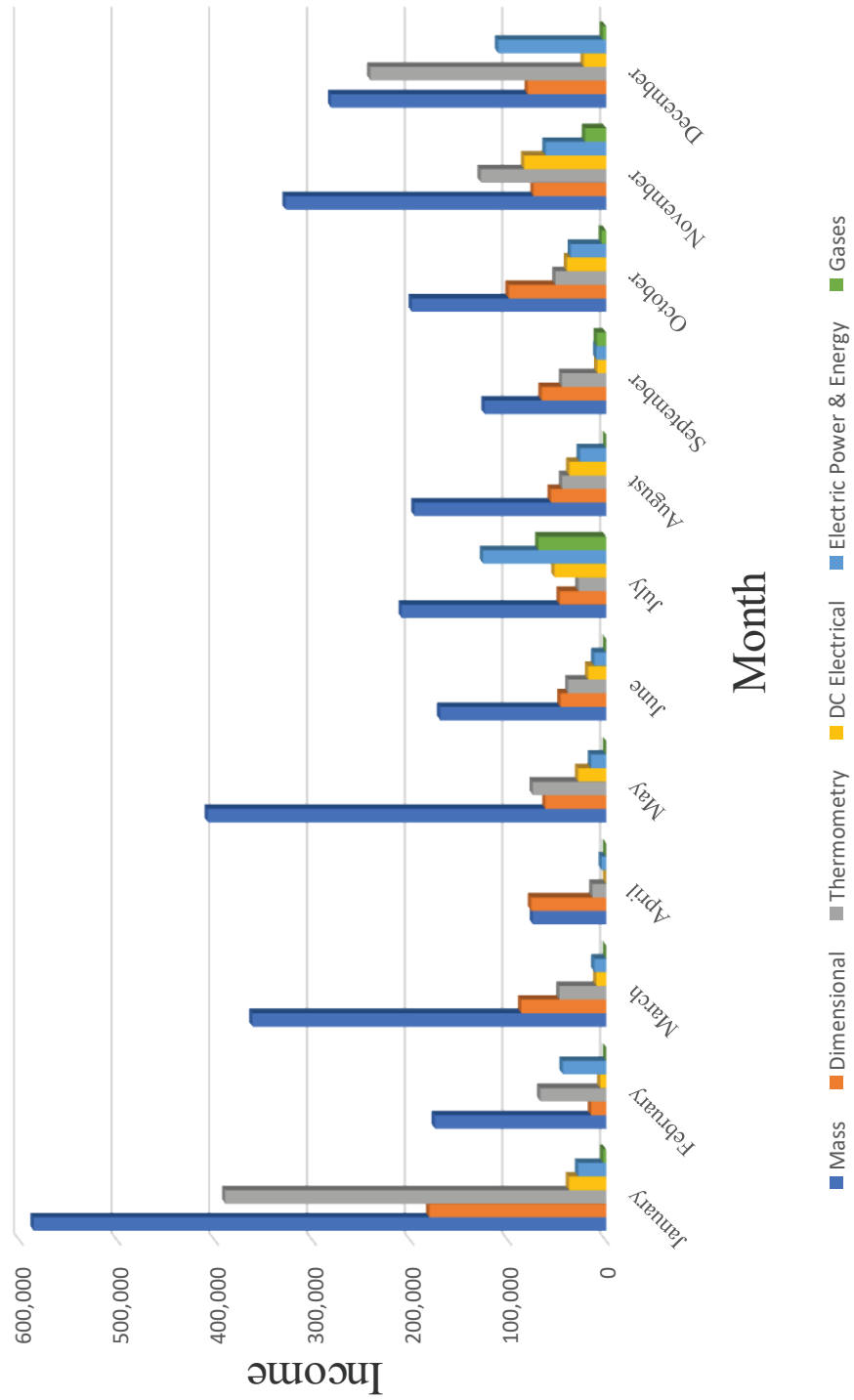


## 2.6 Revenue of Calibration Services Provided by NML in 2023

Month	Mass Laboratory		Dimensional Laboratory		Thermometrical Laboratory		DC Electrical Laboratory		Electric Power and Energy Laboratory		Gas Laboratory	
	No. of Units	Income Rs.	No. of Units	Income Rs.	No. of Units	Income Rs.	No. of Units	Income Rs.	No. of Units	Income Rs.	No. of Units	Income Rs.
January	17	586,000	14	181,000	132	389,927.50	13	38,000	3	28,500	6	3,000
February	36	175,200	4	15,500	45	67,290	1	6,000	42	44,400	0	0
March	67	362,000	17	87,000	18	47,830	4	10,000	1	12,000	0	0
April	20	74,950	8	76,750	10	14,150	0	0.00	1	4,500	0	0
May	116	407,700	26	62,150	26	75,020	6	28,500	8	15,500	0	0
June	36	169,950	19	46,900	20	38,880	3	18,500	1	12,000	0	0
July	46	209,200	19	47,500	7	28,300	8	53,000	3	126,000	21	69,300
August	29	196,200	19	56,490	16	45,020	5	37,780	10	27,040	0	0
September	21	124,500	21	65,980	14	45,300	3	9,000	2	10,000	9	9,500
October	28	198,850	23	99,700	14	51,830	2	40,200	9	36,200	1	4,500
November	49	328,050	28	74,300	45	128,290	15	84,000	12	62,000	32	21,600
December	44	281,700	27	80,360	109	241,370	8	23,000	26	110,600	7	3,500
Total	509	3,113,900	225	893,630	456	1,173,207.50	68	347,980	118	488,740	76	111,400

Table 10

## Calibration Income (NonTax)

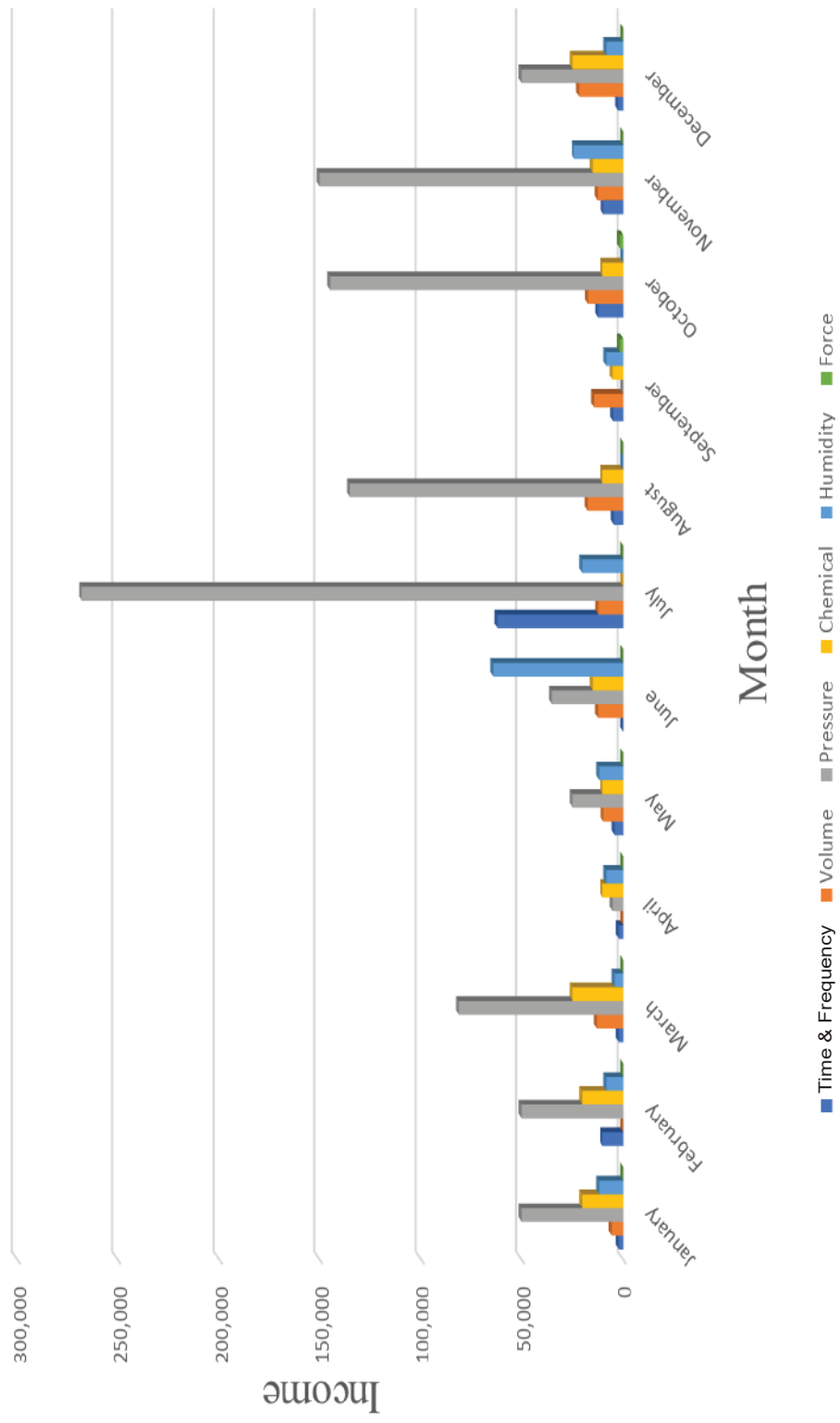


Graph No. 1

Month	Time and Frequency Laboratory		Volume Laboratory		Pressure Laboratory		Chemical Laboratory		Humidity Laboratory		Force Laboratory	
	No. of Units	Income Rs.	No. of Units	Income Rs.	No. of Units	Income Rs.	No. of Units	Income Rs.	No. of Units	Income Rs.	No. of Units	Income Rs.
January	1	2,000	2	5,420	6	50,000	4	20,000	3	12,000	0	0
February	4	10,000	0	0	1	50,000	4	20,000	2	8,000	0	0
March	1	2,000	23	13,100	19	81,000	5	25,000	1	4,000	0	0
April	1	2,000	0	0	1	5,000	2	10,000	2	8,000	0	0
May	2	4,000	1	9,600	3	25,000	2	10,000	3	12,000	0	0
June	0	0	13	12,500	3	35,000	3	15,000	16	64,000	0	0
July	31	62,000	7	12,400	21	268,000	0	0	5	20,000	0	0
August	2	4,400	8	17,400	4	135,000	2	10,000	0	0	0	0
September	2	4,800	9	14,400	0	0	1	5,000	2	8,000	1	1,500
October	6	12,400	10	17,360	12	145,000	2	10,000	0	0	1	1,500
November	4	9,600	2	12,683.50	11	150,000	3	15,000	6	24,000	0	0
December	1	2,400	6	21,482.40	1	50,000	5	25,000	2	8,000	0	0
<b>Total</b>	<b>55</b>	<b>115,600</b>	<b>81</b>	<b>136,345.90</b>	<b>82</b>	<b>994,000</b>	<b>33</b>	<b>165,000</b>	<b>42</b>	<b>168,000</b>	<b>2</b>	<b>3,000</b>

Table 11

## Calibration Income (NonTax)



## 2.7 Pre packaging, vehicle emission and speed detectors income of the National Measurement Laboratory

Apart from the calibration activities, NML conducts inspection of pre -packaged goods, verification of vehicle emission testing equipments and speed detectors.

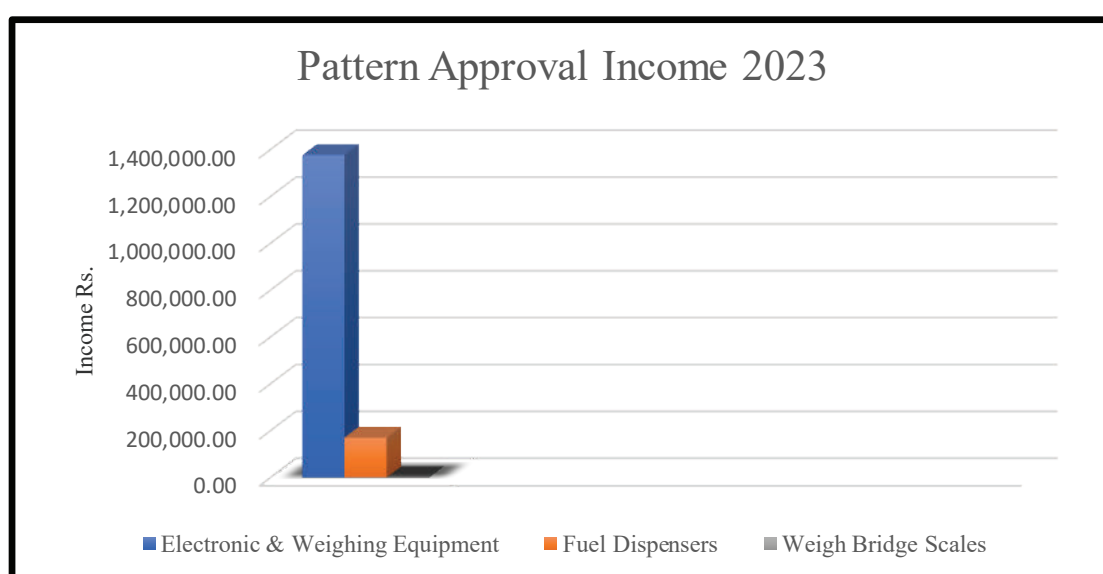
Category	No. of Units	Income
Speed detectors	33	62,000.00
Inspection of pre packaged goods (Factories)	12	163,000.00
Emission measuring equipment	1,149	5,745,000.00
<b>Total</b>	<b>1,194</b>	<b>5,970,000.00</b>

Table 12

## 2.8 Pattern Approval of Weighing and Measuring Instruments in 2023

Type of Pattern Approval	Pattern Approval requests in 2023	No. of units for which the pattern approval was granted	Revised Equipment	Income
Electronic Weighing Machines	64	44	-	1,376,340.00
Fuel Dispensers	6	7	-	170,000.00
<b>Total</b>	<b>70</b>	<b>51</b>	<b>-</b>	<b>1,546,340.00</b>

Table 13



Graph No. 2

## 2.9 Verification Income from 2022 to 2023

District	Verification Fees 2021 to 2023 in Rs. (Excluding Taxes)	
	2022	2023
Colombo	18,458,117.12	25,492,338.00
Gampaha	31,385,136.81	36,488,962.57
Kalutara	11,206,639.57	13,414,780.00
Head Office	57,422,930.37	83,172,144.61
	<b>118,472,823.37</b>	<b>158,568,225.18</b>
Kandy	19,998,186.72	21,906,850.00
Matale	7,426,830.00	8,915,130.00
Nuwaraeliya	7,400,842.56	9,466,590.00
	<b>34,825,859.28</b>	<b>40,288,570.00</b>
Galle	9,897,530.61	13,175,477.22
Matara	11,465,872.00	13,529,597.22
Hambantota	10,474,790.00	12,008,449.57
	<b>31,838,192.61</b>	<b>38,713,524.01</b>
Batticaloa	5,872,487.48	6,819,910.00
Ampara	9,880,164.35	10,509,557.57
Trincomalee	3,003,050.00	2,851,034.78
	<b>18,755,701.83</b>	<b>20,180,502.35</b>
Kurunegala	20,507,823.65	25,486,893.48
Puttlam	7,942,069.57	10,459,876.00
	<b>28,449,893.22</b>	<b>35,946,769.48</b>
Anuradhapura	13,312,175.30	15,902,670.00
Polonnaruwa	7,867,856.42	8,458,789.30
	<b>21,180,031.72</b>	<b>24,361,459.30</b>
Badulla	12,605,350.00	13,704,842.00
Monaragala	8,530,889.07	9,905,390.00
	<b>21,136,239.07</b>	<b>23,610,232.00</b>
Ratnapura	11,756,107.52	14,012,740.00
Kegalle	9,256,101.79	11,220,640.00
	<b>21,012,209.31</b>	<b>25,233,380.00</b>
Mulativu	1,046,810.00	667,265.00
Mannar	1,083,390.00	1,280,409.57
Kilinochchi	802,054.83	1,345,909.57
Jaffna	4,877,582.69	6,138,764.78
Vavuniya	2,176,710.00	2,624,010.00
	<b>9,986,547.52</b>	<b>12,056,358.92</b>
<b>Total</b>	<b>305,657,498.43</b>	<b>378,959,021.24</b>

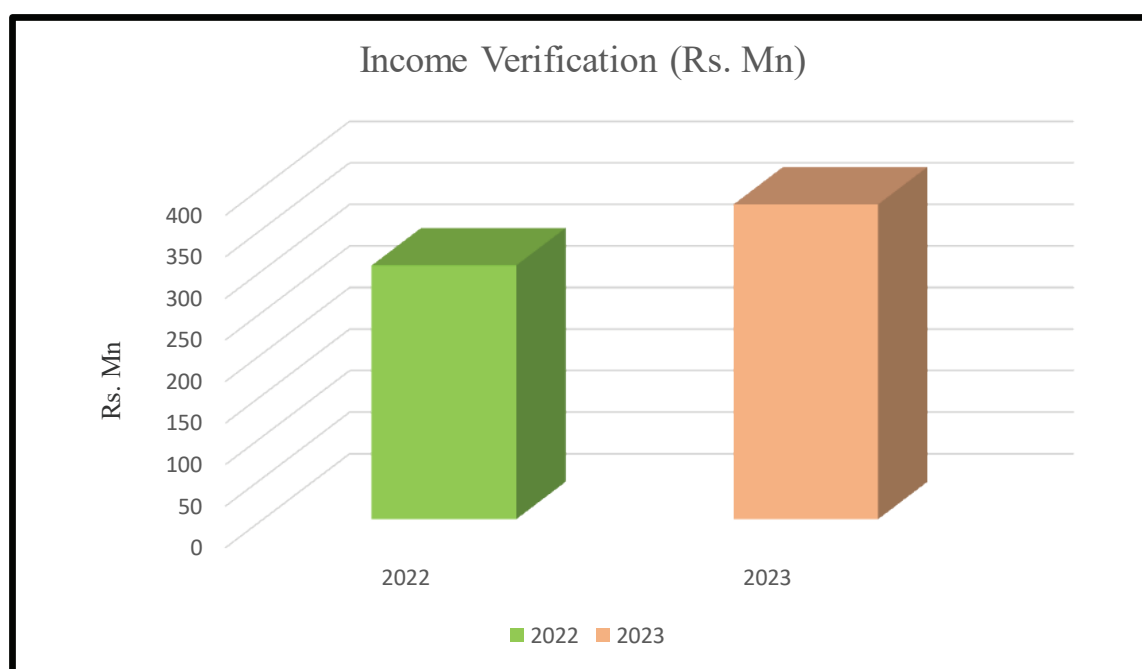
Table 14



## Number of units verified in 2022-2023

Month	Income Rs.		No. of Verified Units	
	2022	2023	2022	2023
January	27,167,373.00	32,216,769.13	42,501	40,458
February	31,846,102.00	39,004,866.17	51,394	48,550
March	34,060,582.00	41,898,349.30	45,381	47,741
April	18,577,798.00	21,009,319.57	19,575	24,381
May	14,999,341.00	31,649,467.48	18,240	34,027
June	17,642,182.00	28,420,120.78	21,661	29,919
July	8,174,907.00	28,940,394.17	8,092	30,116
August	24,258,595.00	29,093,068.00	26,898	32,657
September	28,845,935.00	30,287,412.96	34,795	36,249
October	30,640,394.00	31,645,148.00	34,366	40,620
November	33,842,622.00	32,830,857.00	37,176	36,564
December	35,601,667.00	33,230,198.00	38,743	33,489
<b>Total</b>	<b>305,657,498.00</b>	<b>378,959,019.00</b>	<b>378,822</b>	<b>434,771</b>

Table 15

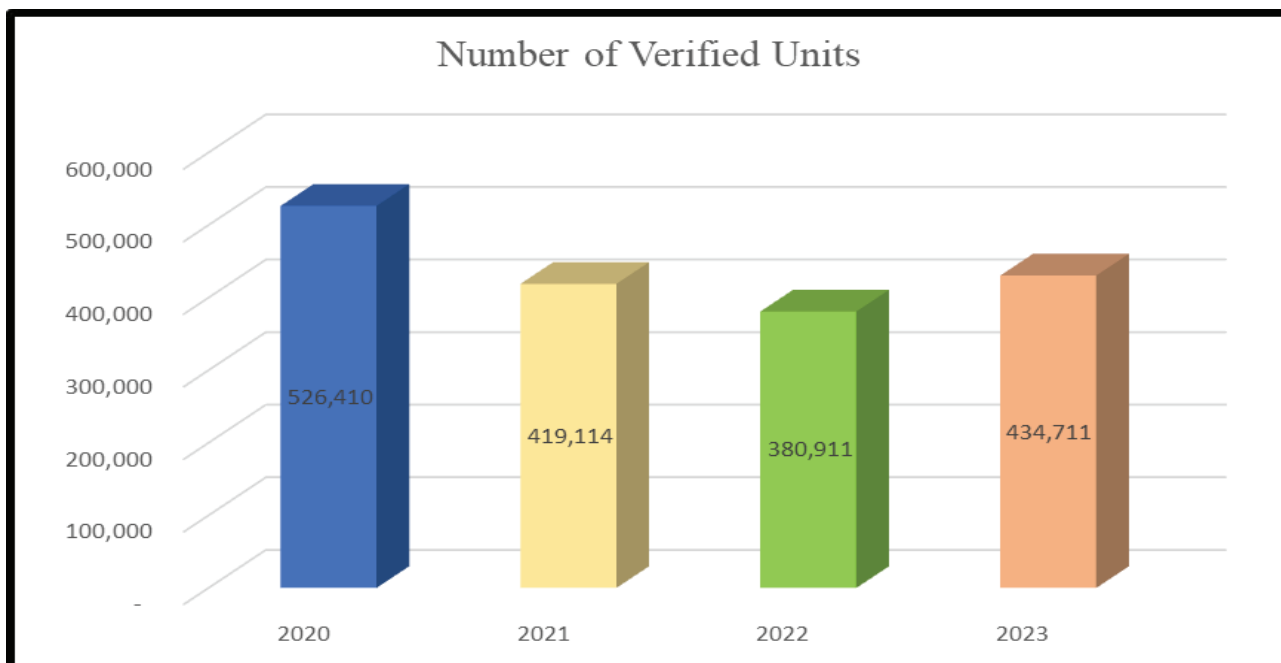


Graph No. 3

## 2.10 Verification program Income in 2020-2023

District	No. of Verified Units (2020-2023)			
	2020	2021	2022	2023
Colombo	79,813	77,773	57,387	75,532
Gampaha	45,861	45,830	29,802	34,105
Kalutara	16,803	9,539	12,725	14,744
	<b>142,477</b>	<b>132,132</b>	<b>99,914</b>	<b>124,381</b>
Kandy	49,934	29,825	30,293	39,694
Matale	16,517	14,018	11,654	12,451
Nuwara Eliya	14,659	9,303	10,305	12,033
	<b>81,110</b>	<b>53,146</b>	<b>52,252</b>	<b>64,178</b>
Galle	24,143	16,114	14,629	17,280
Matara	24,092	18,023	17,864	18,323
Hambantota	18,419	16,715	15,935	16,889
	<b>66,654</b>	<b>50,852</b>	<b>48,428</b>	<b>52,492</b>
Batticaloa	23,057	18,649	17,164	16,143
Ampara	20,574	17,029	16,640	17,553
Trincomalee	6,753	2,620	4,633	3,855
	<b>50,384</b>	<b>38,298</b>	<b>38,437</b>	<b>37,551</b>
Kurunegala	38,536	27,963	26,418	30,969
Puttalam	12,188	8,561	8,933	11,022
	<b>50,724</b>	<b>36,524</b>	<b>35,351</b>	<b>41,991</b>
Anuradhapura	26,303	22,362	18,197	19,988
Polonnaruwa	12,315	10,658	10,420	10,638
	<b>38,618</b>	<b>33,020</b>	<b>28,617</b>	<b>30,626</b>
Badulla	21,435	17,953	17,323	18,371
Monaragala	22,217	17,771	16,321	16,617
	<b>43,652</b>	<b>34,480</b>	<b>33,644</b>	<b>34,988</b>
Ratnapura	20,844	15,322	16,452	17,697
Kegalle	15,584	11,193	12,432	14,381
	<b>36,428</b>	<b>26,515</b>	<b>28,884</b>	<b>32,078</b>
Mulativu	172	1,182	1,628	1,075
Mannar	1,737	1,593	1,588	1,800
Kilinochchi	1,515	1,668	1,456	1,967
Jaffna	9,501	4,360	7,877	8,782
Vavuniya	3,438	3,090	2,835	2,862
	<b>16,363</b>	<b>11,893</b>	<b>15,384</b>	<b>16,486</b>
<b>Total</b>	<b>526,410</b>	<b>419,114</b>	<b>380,911</b>	<b>434,771</b>

Table 16

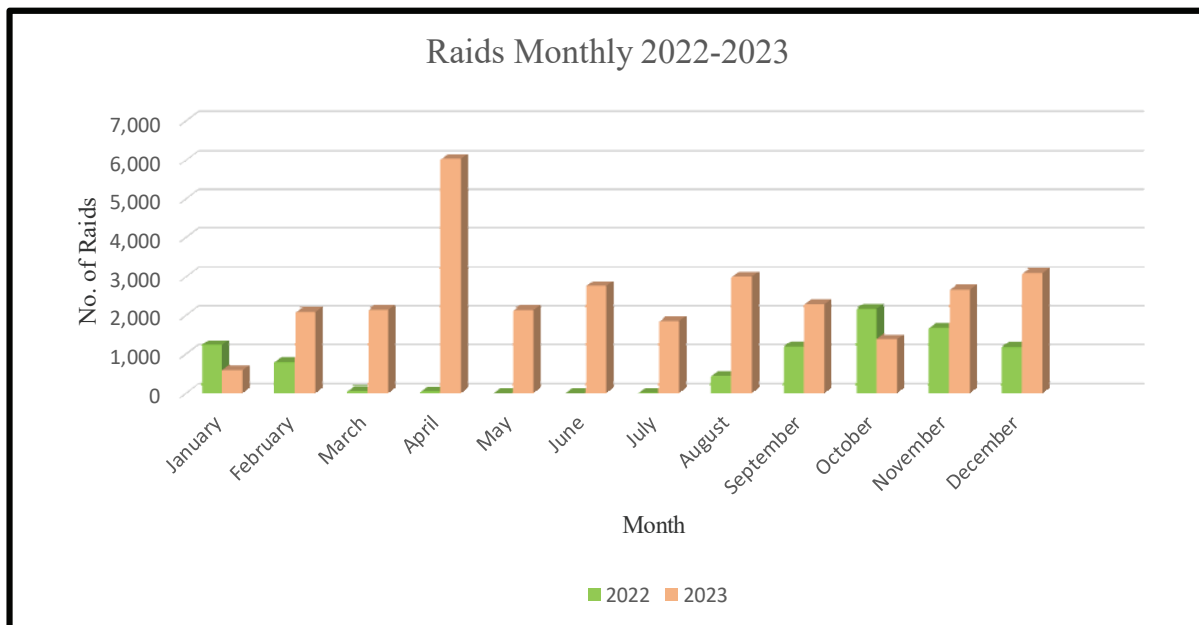


Graph No. 4

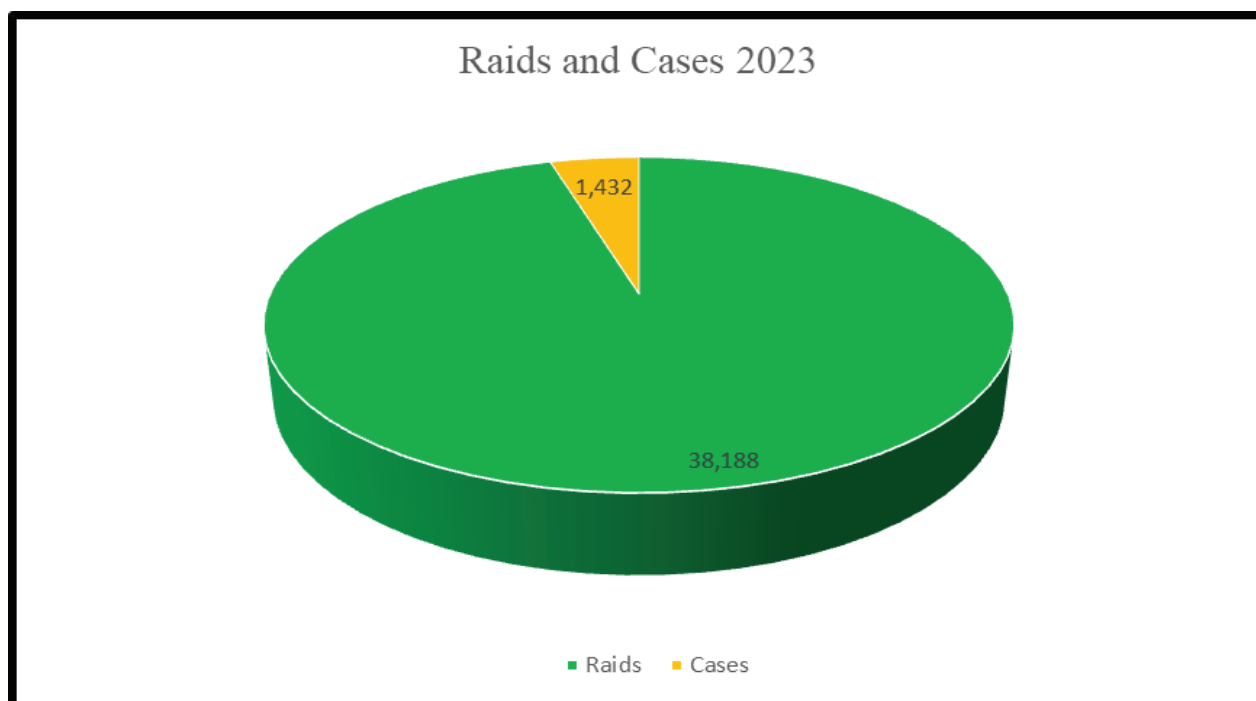
## 2.11 Amount of Raids and cases in 2022-2023

Month	Number of Raids		Number of Cases filed	
	2022	2023	2022	2023
January	1,233	579	36	13
February	784	2,075	35	139
March	48	2,132	2	73
April	35	6,299	0	478
May	0	2,129	0	86
June	0	2,753	0	126
July	2	1,844	0	61
August	434	2,992	18	107
September	1,185	2,278	40	94
October	2,156	1,377	90	82
November	1,675	2,652	25	77
December	1,174	3,078	27	96
Total	8,726	30,188	273	1,432

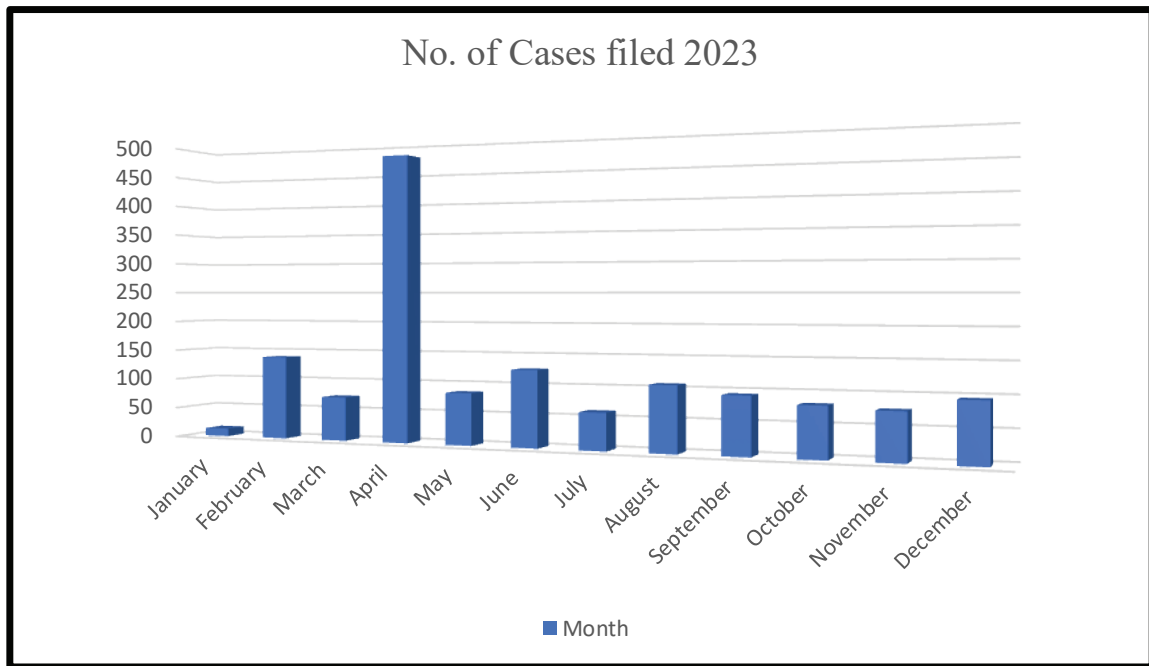
Table 17



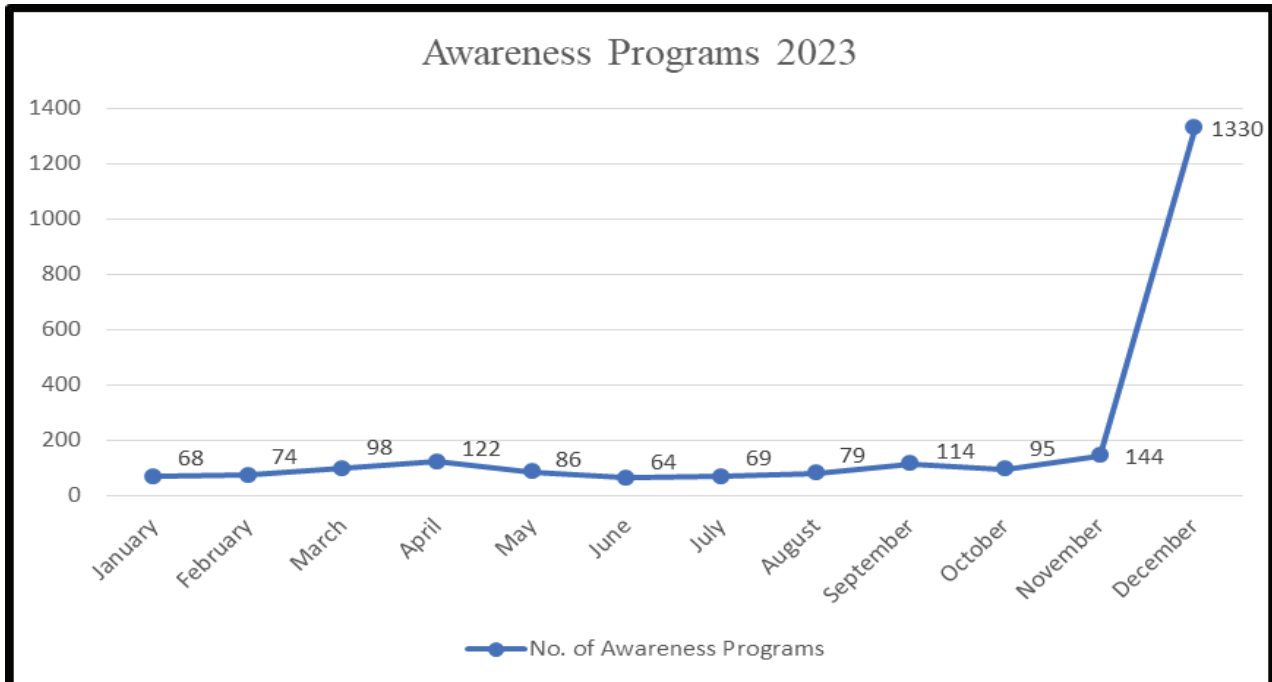
Graph No. 5



Graph No. 6



Graph No. 7



Graph No. 8

## 2.12 Awareness Programme - 2023

District	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
HQ Colombo	0	11	14	8	0	0	8	0	0	4	4	4	53
Colombo	11	8	12	16	29	0	11	7	4	11	9	1,005	1,123
Gampaha	0	0	0	0	0	0	0	0	2	0	0	0	2
Kalutara	0	0	2	0	3	0	3	0	1	5	0	0	14
Puttalam	0	0	0	2	2	2	2	2	2	3	6	10	31
Kurunegala	3	5	7	20	8	0	5	4	0	5	10	8	75
Kegalle	7	3	3	2	2	0	1	5	9	4	5	4	45
Ratnapura	0	0	0	0	0	0	0	0	0	0	0	0	0
Galle	0	0	0	1	2	0	6	0	6	6	5	6	32
Matara	0	0	0	5	0	0	0	6	6	6	6	0	29
Hambantota	3	6	5	7	5	5	0	4	5	5	25	77	147
Monaragala	2	4	2	6	4	6	4	2	2	3	3	10	48
Badulla	20	15	25	25	14	35	15	35	60	30	45	45	364
Nuwara Eliya	0	0	0	0	0	0	0	0	0	0	3	0	3
Kandy	6	1	3	0	0	0	0	0	0	0	5	13	28
Matale	6	5	5	6	8	8	3	0	0	0	6	4	51
Anuradhapura	3	8	12	15	3	0	0	6	8	5	0	0	60
Polonnaruwa	0	0	0	2	2	2	1	2	2	2	2	2	17
Trincomalee	0	1	0	0	0	0	0	0	0	0	0	0	1
Batticaloa	2	2	2	2	2	3	2	2	2	2	2	55	78
Ampara	2	3	3	3	2	3	5	4	5	4	4	22	60
Vavuniya	1	1	2	0	0	0	0	0	0	0	0	0	4
Jaffna	0	0	0	0	0	0	0	0	0	0	2	0	2
Mullaitivu	0	0	0	0	0	0	0	0	0	0	0	35	35
Mannar	2	1	1	2	0	0	3	0	0	0	2	0	11
Kilinochchi	0	0	0	0	0	0	0	0	0	0	0	24	24
Total	68	74	98	122	86	64	69	79	114	95	144	1,330	2,343

Table 18



## 2.13 Quarterly progress of Awareness Programs- 2023

(Targeted number of programs and actual number held)

District	January–March		April - June		July - September		October – Dec.	
	Target	Achieved	Target	Achieved	Target	Achieved	Target	Achieved
HQ Colombo	12	25	12	8	12	8	12	12
Colombo	10	31	10	45	10	22	10	1,025
Gampaha	12	0	12	0	11	2	12	0
Kalutara	9	2	9	3	9	4	9	5
Puttalam	9	0	10	6	9	6	9	19
Kurunegala	12	15	12	28	12	9	12	23
Kegalle	9	13	10	4	9	15	9	13
Ratnapura	9	0	9	0	10	0	8	0
Galle	9	0	10	3	9	12	9	17
Matara	9	0	9	5	10	12	8	12
Hambantota	9	14	10	17	9	9	9	107
Monaragala	9	8	9	16	9	8	9	16
Badulla	9	60	9	74	8	110	10	120
Nuwara Eliya	11	0	9	0	9	0	8	3
Kandy	9	10	12	0	11	0	12	18
Matale	9	16	9	22	9	3	9	10
Anuradhapura	8	23	10	18	9	14	9	5
Polonnaruwa	8	0	7	6	8	5	7	6
Trincomalee	8	1	8	0	7	0	7	0
Batticaloa	8	6	8	7	7	6	7	59
Ampara	8	8	8	8	7	14	7	30
Vavuniya	5	4	6	0	5	0	5	0
Jaffna	7	0	8	0	9	0	7	2
Mullaitivu	4	0	5	0	6	0	5	35
Mannar	4	4	5	2	6	3	5	2
Kilinochchi	5	0	5	0	5	0	5	24
Total	221	240	231	272	225	262	219	1,569

Table 19

## 2.14 Distribution of Private Entrepreneurs Engaged in Commercial Activities - 2023

District	Number of Registered Persons in Each Category			
	Manufacturers	Importers	Traders	Repairers
Colombo	05	22	34	65
Gampaha	03	06	21	38
Kalutara	02	-	17	26
Galle	02	-	10	16
Matara	-	-	05	09
Hambantota	-	-	03	07
Kandy	02	01	21	32
Nuwara Eliya	-	-	01	05
Matale	-	01	06	03
Badulla	-	01	08	18
Kegalle	01	-	05	06
Ratnapura	-	-	12	07
Kurunegala	-	01	14	18
Anuradhapura	-	-	05	07
Monaragala	01	-	03	03
Vavuniya	-	-	03	01
Jaffna	-	-	01	03
Ampara	-	-	07	05
Batticaloa	-	-	03	04
Polonnaruwa	-	-	03	02
Puttalam	-	-	06	05
Trincomalee	-	-	02	-
Kilinochchi	-	-	01	01
Mullaitivu	-	-	-	01
Mannar	-	-	01	-
<b>Total</b>	<b>16</b>	<b>32</b>	<b>192</b>	<b>182</b>

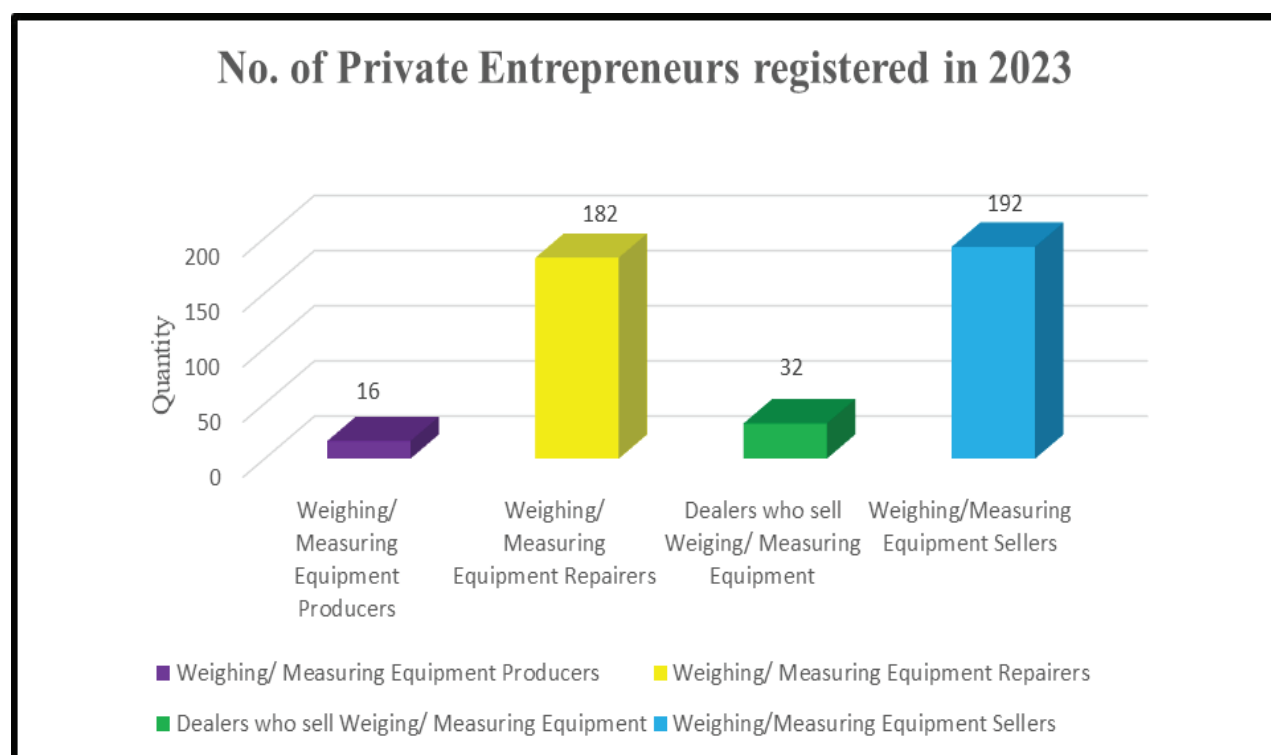
Table 20

## 2.15 Registrations of Private Entrepreneurs Engaged in Commercial Activities - 2023

Registration Category	Number of Registered Persons in 2023
Manufacturers of weighing / measuring instruments	16
Repairers of weighing / measuring instruments	182
Importers of weighing / measuring instruments	32
Sellers of weighing / measuring instruments	192
<b>Total</b>	<b>422</b>
<b>Registration Fees in Rs.</b>	<b>1,269,900.00</b>

(Face value of the stamps is included in the above table )

Table 21



Graph No. 9

## Challenges and Future Targets

The year 2023 was a new year that came with the end of many internal crises, and a period of transitional change and progress in many of the Department's objectives. In order to alleviate the economic crisis situation, following the government expenditure management guidelines, all the activities related to metrology had to be strengthened and innovations had to be carried out continuously.

After examining the National Strategic Plans presented by the Government of Sri Lanka aimed at achieving national goals, we have identified that metrology plays a major role in the strategies for a "people-centric economy" in line with the United Nations Sustainable Development Goals on poverty. Accordingly, even at the peak of the last economic crisis, we paid special attention to revive the trade sector of the economy, and thus the year 2023 has ensured the credibility of Sri Lanka's internal trade. In the year 2024, based on the experience and achievements of the year 2023, performance goals have been planned to carry out many effective operations to boost the national economy.



Director of Measuring Units, Standards and Services

3

## **Overall Financial Performance**

For the year ended 31<sup>st</sup> of December 2023.

### 3.1 Statement of Financial Performance (Consolidated Fund)

								ACA -F
For the year ended 31st December 2023								
Statement of Financial Performance (Consolidated Fund)								
								Rs.
Amended Budgetary Allocations 2023			Note		Actual			
					2023		2022	
-	Revenue Receipts						-	
-	Income Tax		1				-	
-	Taxes on Domestic Goods & Services		2				-	} ACA -1
-	Taxes on International Trade		3				-	
-	Non Tax Revenue & Others		4				-	
-	<b>Total Revenue Receipts (A)</b>						-	
-	<b>Non Revenue Receipts</b>				-		-	
-	Treasury Imprests				164,300,000		166,958,388	ACA-3
-	Deposits				297,229		145,069	ACA-4
-	Advance Accounts				7,225,245		6,214,614	ACA-5
-	Other main ledger account receipts				-		-	
-	<b>Total Non Revenue Receipts (B)</b>				<b>171,822,474</b>		<b>173,318,071</b>	
-	<b>Total Revenue Receipts &amp; Non Revenue Receipts C = (A)+(B)</b>				<b>171,822,474</b>		<b>173,318,071</b>	
	Remittances to the Treasury (D)				19,879		148,975	
	Receipt of Net Income and Non – Income receipts E = (C)-(D)				<b>171,802,595</b>		<b>173,169,096</b>	}
	Less: Expenditure							
-	Recurrent Expenditure						-	
177,000,000	Wages, Salaries & Other Employment Benefits		5		168,606,864		168,067,485	



									Rs.
Amended Budgetary Allocations 2023			Note			Actual			
						2023		2022	
-	Other Goods & Services		6			-		-	ACA-2(ii)
2,800,000	Subsidies, Grants and Transfers		7			1,066,601		1,253,170	
-	Interest Payments		8			-		-	
-	Other Recurrent Expenditure		9			-		-	
179,800,000	<b>Total Recurrent Expenditure (F)</b>					<b>169,673,465</b>		<b>169,320,655</b>	
	<b>Capital Expenditure</b>								
-	Rehabilitation & Improvement of Capital Assets		10			-		-	} ACA-2(ii)
	Acquisition of Capital Assets		11			-		-	
-	Capital Transfers		12			-		-	
-	Acquisition of Financial Assets		13			-		-	
-	Capacity Building		14			-		-	
-	Other Capital Expenditure		15			-		-	
-	Total Capital Expenditure (G)					-		-	
	Deposit Payments					288,749		94,802	ACA-4
	Advance Payments					10,933,565		6,492,633	ACA-5
	<b>Other Main Ledger Expenditure</b>					-		-	
	<b>Main Ledger Expenditure (H)</b>					<b>11,222,314</b>		<b>6,587,436</b>	
	<b>Total Expenditure I = (F+G+H)</b>					<b>180,895,779</b>		<b>175,908,091</b>	
	Balance as at 31 <sup>st</sup> December J = (E-I)					<b>(9,093,184)</b>		<b>(2,738,995)</b>	
	Balance As Per Imprest Reconciliation Statement					<b>(9,093,184)</b>		<b>(2,738,995)</b>	ACA-7
-	Imprest Balance as a 31 <sup>st</sup> December					-		-	ACA-3

### 3.1 Statement of Financial Performance (Measuring Units, Standards and Services Fund)

Measuring Units, Standards and Services Fund				
For the year ended 31st December 2023				
Statement of Financial Performance				
			<b>2023</b>	<b>2022</b>
		<b>Notes</b>	<b>Rs.</b>	<b>Rs.</b>
<b><u>Income</u></b>				
Sealing Income		<b>6</b>	252,664,030	203,785,354
Calibration Income			4,452,239	3,175,986
Calibration Income			3,333	21,333
Pattern Approval Income			917,560	267,253
Registration Income			466,027	1,697,933
Course fee Income			209,999	35,753
Examination Fees			110,869	-
Interest Income			120,876,722	33,664,953
Other Income			349,840	24,846
<b>Total Income</b>			<b>380,050,619</b>	<b>242,673,411</b>
<b><u>Expenditure</u></b>				
Overtime allowances		<b>7</b>	1,950,814	1,779,689
Travelling expenditure		<b>8</b>	14,105,225	10,324,590
Provisions		<b>9</b>	34,835,300	16,540,751
Maintenance expenditure		<b>10</b>	17,403,445	14,876,264
Contractual services		<b>11</b>	33,626,352	24,385,979
Contributory funds and subscription			15,857,957	5,408,323
Other recurrent expenditure			-	-

			<b>2023</b>	<b>2022</b>
		<b>Notes</b>	<b>Rs.</b>	<b>Rs.</b>
Property, Plant and Equipment Depreciation		<b>12</b>	85,182,516	89,024,846
Human Resources Development and Training			1,726,069	1,761,581
Property, Plant and Equipment maintenance		<b>13</b>	9,406,073	3,479,163
Implementation of Official Language Policy			1,330	
<b>Total expenditure</b>			<b>214,095,081</b>	<b>167,581,186</b>
<b>Surplus for the period</b>			<b>165,955,538</b>	<b>75,092,226</b>

### 3.2 Statement of Financial Position (Consolidated Fund ) (ACA - P))

As at 31st December 2023						
Statement of Financial Position						
				<b>Actual</b>		
		<b>Note</b>		<b>2023</b>		<b>2022</b>
		<b>-</b>	<b>-</b>	<b>Rs.</b>		<b>Rs.</b>
<b>Non Financial Assets</b>						
Property, Plant & Equipment		ACA-6		1,443,652,021		1,443,652,021
<b>Financial Assets</b>						
Advance Accounts		ACA -5/5(A)		26,484,798		22,776,479
Cash & Cash Equivalents		ACA -3		-		-
<b>Total Assets</b>				<b>1,470,136,819</b>		<b>1,466,428,500</b>
<b>Net Assets / Equity</b>						
Net Assets to the Treasury				(21,288,994)		(24,988,833)
Property, Plant & Equipment Reserve				1,443,652,021		1,433,652,021
Rent and Work Advance Reserve		ACA -5(B)				
<b>Current Liabilities</b>						
Deposits Accounts		ACA -4		47,773,792		47,765,312
Imprest Balance		ACA -3		-		-
<b>Total Liabilities</b>				<b>1,470,136,819</b>		<b>1,466,428,500</b>

### 3.2 Statement of Financial Position (Measuring Units, Standards and Services Fund)

Measuring Units, Standards and Services Fund			
As at 31st December 2023			
Statement of Financial Position			
		2023	2022
	Notes	Rs.	Rs.
Assets			
<u>Current Assets</u>			
Cash and Cash Equivalents	1	55,005,700	423,890,342
Stationary Stock		1,092,887	1,104,633
Receivables	2	25,214,023	5,640,712
Deposit Account		200,000	200,000
Current Assets		<b>82,512,610</b>	<b>430,835,688</b>
<u>Non – Current Assets</u>			
Property, Plant & Equipment	3	886,108,978	927,173,032
Fixed Deposits		874,011,949	382,358,226
Goods Issuing Document Deposits		47,773,792	47,765,312
Receivables		-	-
Non – Current Assets		<b>1,807,894,719</b>	<b>1,357,296,569</b>
Total Assets		<b>1,889,407,329</b>	<b>1,788,132,257</b>
Liabilities			
<u>Current Liabilities</u>			
Accrued expenses		4,493,637	6,321,132
1/3 of revenue payable to the Treasury	5	17,374,367	23,848,831
Value Added Tax		2,172,633	13,828,285
Deposit Account		249,743	91,393
Pre Received Income		2,551	-
Current Liabilities		<b>24,292,931</b>	<b>44,089,641</b>



### 3.3 Statement of Cash Flows (Measurement Units, Standards and Services Fund)

		ACA-C
For the year ended 31st December 2023		
Statement of Cash Flows		
	Actual	
	2023	2022
	Rs.	Rs.
<u>Cash Flows from Operating Activities</u>		
Total Tax Receipts	-	-
Fees, Surcharges, fines and licenses	-	-
Profits	-	-
Non Income Receipts	1,174,028	1,184,467
Income collected from other departments/ ministries	-	-
Imprest Receipts	164,300,000	166,958,388
Advance recoveries	774,096	-
Income Receipts	288,749	-
Cash flow from Operating Activities (A)	<b>166,536,873</b>	<b>168,142,855</b>
<u>Less : Cash Expenses</u>		
Personal Emoluments and Operational Expenses	155,838,014	155,877,959
Subsidies and Transfers	1,066,601	1,253,170
Expenses incurred behalf of other Expenditure Heads	-	4,779,128
Imprest settled to the Treasury	19,879	148,975
Advances Paid	9,323,631	5,988,820
Deposits paid	288,749	94,802
Settlements to Department Fund		-
Cash flow spent for operational activities (B)	<b>166,536,873</b>	<b>168,142,855</b>
Net cash flow from operating activities (C)=(A)-(B)	-	-
<u>Cash Flows from Investing Activities</u>		
Interest	-	-
Dividends	-	-



	Actual	
	2023	2022
	Rs.	Rs.
Provisions of disposing Equity and Sale of Physical Assets	-	-
Recovery of Sub Loan	-	-
Recovery of Advances	-	-
Cash Flows from Investing Activities (C)	-	-
<u>Less : Cash Disbursements</u>		
Construction or purchase of physical assets and other investment acquisitions	-	-
Total Cash flow spent for investment activities (E)	-	-
Net cash flow from investment activities (F)=(D)-(E)	-	-
Net Cash flow from Operational and Investment Activities (G)=( C) + (F)	-	-
<u>Cash flow from financial activities</u>		
Domestic Borrowings	-	-
Foreign Borrowings	-	-
Receipt of Grants	-	-
Deposit Receipts	-	-
Total Cash flow from Financial Activities (H)	-	-
<u>Less : Cash Disbursements</u>		
Domestic Loan Repayments	-	-
Foreign Loan Repayments	-	-
Deposit Payments	-	-
Total Cash flow spent for Financial Activities (I)	-	-
Cash flow from Financial Activities (J)=(H)-(I)	-	-
Net increase/ (decrease) in cash and cash equivalents (L) = (G) -(J)	-	-
Opening Cash and cash equivalents balance as at 01 <sup>st</sup> of January	-	-
Closing Cash and Cash equivalents balance as at 31 <sup>st</sup> of January	-	-

### 3.3 Statement of Cash Flows (Measurement Units, Standards and Services Fund)

Measurement Units, Standards and Services Fund			
For the year ended 31st December 2023			
Statement of Cash Flows			
		2023	2022
	Notes	Rs.	Rs.
<u>Operating Activities</u>			
<u>Receipts</u>			
Income receipts	14	389,133,578	312,893,941
Other receipts	15	2,678,562	1,182,326
Value Added Tax		58,311,501	36,090,508
Advance receipts	16	985,063	728,844
<u>Payments</u>			
Expenditure paid	17	(136,603,254)	(69,274,104)
Value Added Tax		(65,367,570)	(29,904,439)
Advance paid	18	(4,170,580)	(2,325,900)
Accrued expenses	19	(69,635)	(5,856,346)
Deposits paid		(279,750)	(83,325)
Cancellation of Receipts		(13,340)	
Payment of 1/3 of revenue payable to the treasury		(135,856,911)	(108,028,644)
Cash flow from operating activities		<b>109,056,495</b>	<b>135,422,861</b>
<u>Investment Activities</u>			
Ordinary Savings Account		(270,000,000)	-
Interest received	20	240,439	7,973,363
Acquisition of Assets	21	(86,376,144)	(31,078,165)
Enhancement of capital assets	22	-	-
Human Resources Development expenditure		(1,805,433)	(1,736,581)
Lands		-	-
Bank Guarantee		-	-
Cash flow from Investment Activities		<b>(357,941,138)</b>	<b>(24,841,383)</b>

		2023	2022
	Notes	Rs.	Rs.
<u>Financial Activities</u>			
Loan Recovery Receipts			-
Fixed Deposits		-	(50,000,000)
Special Deposits		(120,000,000)	(200,000)
Cash Flow from Financial Activities		(120,000,000)	(50,200,000)
Net Increase/ (Decrease) in Cash and Cash Equivalents		(368,884,643)	60,381,478
Opening Cash and cash equivalents balance at the beginning of the period		423,890,343	363,508,865
Closing Cash and cash equivalents balance at the beginning of the period		55,005,700	423,890,343

### 3.4 Notes to Financial Statements (Consolidated Fund)

#### Reporting Basis

##### 1) Reporting Period

The reporting period for these financial statements is from 01<sup>st</sup> of January to 31<sup>st</sup> of December 2023.

##### 2) Measurement basis

The financial statements are prepared on historical cost basis and some assets are presented at revalued value. Unless otherwise stated, the accounts are prepared on an improved cash basis.

The financial statements are presented in Sri Lanka Rupees to the nearest rupee.

##### 3) Recognition of Income

Exchange and non-exchange income are recognized as income in the period in which the cash is received, regardless of the period in which they are due.

4) Recognition and Measurement of Property, Plant and Equipment

Assets are recognized as property, plant and equipment when there is certainty that future economic benefits related to the asset will flow to the entity and the asset can be measured reliably.

Property, plant and equipment are recognized at cost and revalued value is used where the cost model is not applicable.

5) Reserves of property, plant and equipment

This reserve account is the corresponding account of property, plant and equipment.

6) Cash and cash equivalents

Cash and cash equivalents on hand as at 31<sup>st</sup> of December, 2023 consist of local currency notes and coins.

\* In case of transactions specific to a particular reporting entity, amendments may be made to the forms as required. Also, the disclosure required for those particular transactions may be included under “Reporting Basis”.

\* Only the accounting policies relevant to its reporting entity should be disclosed under the reporting basis.

### 3.4 Notes to Financial Statements (Measuring Unit, Standards and Services Department)

#### Account Records for the year ended 31.12.2023

**Notes No. 01 Cash & Cash Equivalents**

Cash Balance	54,642,193
Ordinary Savings Account	363,507
	<hr/>
	<b>55,005,700</b>
	<hr/>

**Notes No. 02 Receivables**

Fuel Advances	560,000
Petty Cash Advances	10,000
Receivable Fixed Deposit Interest	24,618,273
Receivable Income	-
Advance Account – Verification Stamp Pins	-
Receivable Ticket Fees	25,750
	<hr/>
	<b>25,214,023</b>
	<hr/>

**Notes No. 04**

Stamp revenue related to registration fees has been credited to the deposit account by the Treasury. Treasury hard copy confirming the same is attached.

**Notes No. 05 1/3 of the Revenue Payable to the Treasury**

1/3 of the Revenue Payable to the Treasury

-

**Notes No. 06 Sealing Income**

Sealing Income 252,627,846

Additional Receipts-(Seal placements) 36,184

**252,664,030**

**Notes No. 07 Allowances**

Overtime allowances 1,950,814

**1,950,814**

**Notes No. 08 Travelling Expenses**

Travelling Expenses - Local 11,380,937

Travelling Expenses - Foreign 2,724,288

**14,105,225**

**Notes No. 9 Supplies**

Stationary Stock and official requirements 22,148,616

Fuel and Lubricant Oil 11,677,962

Uniform 121,302

Other 887,421

**34,835,300**

**Notes No. 10 Maintenance Expenses**

Vehicles 7,652,028

Machinery and Equipment 9,535,537

Buildings 215,880

**17,403,445**

**Notes No. 11 Contractual Services**

Travelling Expenses 887,760

Postal and Communication 2,821,910

Electricity & Water 16,904,209

Lease Rent and Local Government Institution Tax 423,295

Other Contractual Services 12,589,178

**33,626,352**

**Notes No. 12 Property, Plant & Equipment Depreciation**

Building Depreciation	29,066,175
Vehicle Depreciation	3,704,148
Machinery & Equipment Depreciation	47,751,916
Furniture & Office Equipment Depreciation	4,660,278
	<hr/>
	<b>85,182,516</b>
	<hr/> <hr/>

**Notes No. 13 Repair Expenses**

Buildings and Constructions	175,430
Machinery & Machinery Repair	3,647,365
Vehicle	5,583,278
	<hr/>
	<b>9,406,073</b>
	<hr/> <hr/>

**Notes No. 14 Income Receipts**

Sealing Income	378,964,019
Calibration Income	6,805,663
Fuel	839,185
Pattern Approval Income	1,376,340
Registration Income	686,320
Course fee Income	314,999
Examination Fees	110,869
Extra Receipts (Seal Placements)	36,184
	<hr/>
	<b>389,133,578</b>
	<hr/> <hr/>

**Notes No. 15 Other Receipts**

Deposit Receipts	58,350
Other Income	549,840
Fuel Expenditure Reimbursement	1,264,557
Travelling Expenditure Reimbursement	468,699
Interest Income	
Surcharges	337,116
	<hr/>
	<b>2,678,562</b>
	<hr/> <hr/>

Fuel Advances	475,076
Real Time Advances	259,384
Petty Cash Advances	250,603
	<b>985,063</b>

**Notes No. 17 Expenditure Payments**

Overtime Allowances	1,922,681
Travelling Expenses - Local	13,822,505
Travelling Expenses - Foreign	493,305
Stationary Stock and Office Equipment	21,486,372
Fuel and Lubricant Oils	13,359,153
Uniform	94,238
Other Supplies	731,060
Vehicles	7,862,030
Machinery and Machinery Repairs	13,941,558
Building Maintenance	215,880
Travelling Expenses	894,572
Postal and Communication	3,167,678
Electricity and water	18,332,730
Rates and Taxes	450,108
Other Contractual Services	12,237,776
Contributory Funds and Subscription	11,880,760
Implementing Official Language Policy	1,330
Building Repairs	5,220,274
Machinery and Machinery Repairs	3,823,935
Vehicle Repairs	5,624,868
VAT	1,019,466
Repayment out of Income	20,975
	<b>136,603,254</b>

Fuel Advances	1,995,240
Real Time Advances	1,595,340
Petty Cash Advances	580,000
	<b>4,170,580</b>

Accrued Expenses	
Accumulated Expenses	69,635
	<b>69,635</b>

**Notes No. 20 Fixed Deposit Interest**

Savings Account Interest

240,439

**240,439****Notes No. 21 Acquisition of Assets**

Buildings

127,470

Office Equipment

5,558,451

Machinery &amp; Machinery Equipment

80,690,224

Vehicles

**86,376,144****Notes No. 22 Property Plant and Equipment Reserve**

Scientific equipment received as a donation to the laboratory under the United Nations Industrial Development Program (UNIDO) is accounted for as property, plant and equipment reserves.

**3.5 Performance of Revenue Collection (Consolidated Fund)**

Income Code	Details of Income Code	Income Estimation		Added Incomes	
		First Estimate	Final Estimate	Quantity	Final Income (Rs.) As a % of the Estimate
	- No -				

**3.6 Demonstration of Utilization of Allocated Provisions (Consolidated Fund)****Rs. ,000**

Type of Allocation	Allocated Provisions		Actual Expenditure	Utilized Allocation as a % of last given allocations
	First Allocation	Final Allocation		
Recurrent	179,800,000	179,800,000	169,673,464	94%
Capital	-	-	-	-



### 3.7 In terms of F.R. 208, Allocations presented to this Department/ District Secretariat/ Provincial Council as a representative of other Ministries/ Departments

**Rs. ,000**

Serial No.	Ministry/ Department which received allocations	Objectives of the Allocation	Allocations		Actual Expenditure	Utilized Allocation as a % of last given allocations
			Initial Allocations	Final Allocations		
		-No-				

### 3.8 Performance of Reporting Non Financial Assets (Consolidated Fund)

Asset Code	Code Description	Balance as per goods survey report as at 31.12.2022	Financial Position Report as at 31.12.2022	To be accounted for in the future	Reporting progress as %
9151	Buildings and Structures	777,534,198	777,534,198	-	-
9152	Machinery/ Vehicle	305,642,823	305,642,823	-	-
9153	Land	350,475,000	350,475,000	-	-
9154	Intangible Assets	-	-	-	-
9155	Biological Assets	-	-	-	-
9160	Work In Progress	10,000,000	10,000,000	-	-
9180	Leased Assets	-	-	-	-

### 3.9 Auditor's Report



## ජාතික විගණන කාර්යාලය

### தேசிய கணக்காய்வு அலுவலகம்

### NATIONAL AUDIT OFFICE



මගේ අංකය  
My No.

TAC/F/MUSSD/23/FS/17

ඔබේ අංකය  
Your No.

දිනය  
Date

2024 මැයි 30 දින

අධ්‍යක්ෂ ජනරාල්,

රාජ්‍ය ගිණුම් දෙපාර්තමේන්තුව

ශීර්ෂය - 298 මිනුම් ඒකක ප්‍රමිති හා සේවා දෙපාර්තමේන්තුවේ 2023 දෙසැම්බර් 31 දිනෙන් අවසන් වර්ෂය සඳහා වූ මූල්‍ය ප්‍රකාශන පිළිබඳව 2018 අංක 19 දරන ජාතික විගණන පනතේ 11(1) වගන්තිය ප්‍රකාරව විගණකාධිපති සම්පීණ්ඩන වාර්තාව

යථෝක්ත වාර්තාව හා මූල්‍ය ප්‍රකාශනවල මුල් පිටපත (සිංහල, ඉංග්‍රීසි, දෙමළ) මේ සමඟ එවා ඇත.

බී.පී.අයි.තිරංජා

නියෝජ්‍ය විගණකාධිපති

විගණකාධිපති වෙනුවට

පිටපත:- 1. අධ්‍යක්ෂ, මිනුම් ඒකක ප්‍රමිති හා සේවා දෙපාර්තමේන්තුව

හර්ශ





# ජාතික විගණන කාර්යාලය

## தேசிய கணக்காய்வு அலுவலகம்

### NATIONAL AUDIT OFFICE



මගේ අංකය  
எனது இல. }  
My No. }

TAC/F/MUSSD/23/FS/17

ඔබේ අංකය  
உமது இல. }  
Your No. }

දිනය  
திகதி }  
Date }

2024 මැයි 30 දින

අධ්‍යක්ෂ.

මිනුම් ඒකක ප්‍රමිති හා සේවා දෙපාර්තමේන්තුව

ශීර්ෂය - 298 මිනුම් ඒකක ප්‍රමිති හා සේවා දෙපාර්තමේන්තුවේ 2023 දෙසැම්බර් 31 දිනෙන් අවසන් වර්ෂය සඳහා වූ මූල්‍ය ප්‍රකාශන පිළිබඳව 2018 අංක 19 දරන ජාතික විගණන පනතේ 11(1) වගන්තිය ප්‍රකාරව විගණකාධිපති සම්පිණ්ඩන වාර්තාව

#### 1 මූල්‍ය ප්‍රකාශන

##### 1.1 තත්ත්වගණනය කළ මතය

ශීර්ෂය 298 මිනුම් ඒකක ප්‍රමිති හා සේවා දෙපාර්තමේන්තුවේ 2023 දෙසැම්බර් 31 දිනට මූල්‍ය තත්ත්වය පිළිබඳ ප්‍රකාශය, එදිනෙන් අවසන් වර්ෂය සඳහා වූ මූල්‍ය කාර්යසාධන ප්‍රකාශය හා මුදල් ප්‍රවාහ ප්‍රකාශනය සහ ප්‍රමාණාත්මක ගිණුම්කරණ ප්‍රතිපත්තිවලට අදාළ තොරතුරුද ඇතුළත් මූල්‍ය ප්‍රකාශනවලට අදාළ සටහන්වලින් සමන්විත 2023 දෙසැම්බර් 31 දිනෙන් අවසන් වර්ෂය සඳහා වූ මූල්‍ය ප්‍රකාශන 2018 අංක 19 දරන ජාතික විගණන පනතේ විධිවිධාන සමඟ සංයෝජිතව කියවිය යුතු ශ්‍රී ලංකා ප්‍රජාතාන්ත්‍රික සමාජවාදී ජනරජයේ ආණ්ඩුක්‍රම ව්‍යවස්ථාවේ 154(1) ව්‍යවස්ථාවේ ඇතුළත් විධිවිධාන ප්‍රකාර මාගේ විධානය යටතේ විගණනය කරන ලදී. 2018 අංක 19 දරන ජාතික විගණන පනතේ 11(1) වගන්තිය ප්‍රකාරව මිනුම් ඒකක ප්‍රමිති හා සේවා දෙපාර්තමේන්තුව වෙත ඉදිරිපත් කරනු ලබන මෙම මූල්‍ය ප්‍රකාශන පිළිබඳව මාගේ අදහස් දැක්වීම් හා නිරීක්ෂණයන් මෙම වාර්තාවේ සඳහන් වේ. ශ්‍රී ලංකා ප්‍රජාතාන්ත්‍රික සමාජවාදී ජනරජයේ ආණ්ඩුක්‍රම ව්‍යවස්ථාවේ 154(6) ව්‍යවස්ථාව සමඟ සංයෝජිතව කියවිය යුතු 2018 අංක 19 දරන ජාතික විගණන පනතේ 10 වගන්තිය ප්‍රකාරව ඉදිරිපත් කළ යුතු විගණකාධිපති වාර්තාව යථා කාලයේදී පාර්ලිමේන්තුව වෙත ඉදිරිපත් කරනු ලැබේ.



මෙම වාර්තාවේ 1.6 ඡේදයේ දක්වා ඇති කරුණුවලින් වන බලපෑම හැර, මූල්‍ය ප්‍රකාශනවලින් 2023 දෙසැම්බර් 31 දිනට මිනුම් ඒකක ප්‍රමිති හා සේවා දෙපාර්තමේන්තුවේ මූල්‍ය තත්ත්වය සහ පිළිගත් අවසන් වර්ෂය සඳහා එහි මූල්‍ය කාර්යසාධනය හා මුදල් ප්‍රවාහය පොදුවේ පිළිගත් ගිණුම්කරණ මූලධර්මවලට අනුකූලව සත්‍ය හා සාධාරණ තත්ත්වයක් පිළිබිඹු කරන බව මා දරන්නා වූ මතය වේ.

## 1.2 තත්ත්වාගණනය කළ මතය සඳහා පදනම

---

මෙම වාර්තාවේ 1.6 ඡේදයේ දක්වා ඇති කරුණු මත පදනම්ව මාගේ මතය තත්ත්වාගණනය කරනු ලැබේ. ශ්‍රී ලංකා විගණන ප්‍රමිතිවලට (ශ්‍රී.ලං.වි.ප්‍ර) අනුකූලව මා විගණනය සිදු කරන ලදී. මූල්‍ය ප්‍රකාශන සම්බන්ධයෙන් මාගේ වගකීම, විගණකගේ වගකීම යන වගන්තියේ තවදුරටත් විස්තර කර ඇත. මාගේ මතය සඳහා පදනමක් සැපයීම උදෙසා මා විසින් ලබා ගෙන ඇති විගණන සාක්ෂි ප්‍රමාණවත් සහ උචිත බව මාගේ විශ්වාසයයි.

### 1.3.1 මූල්‍ය ප්‍රකාශන සම්බන්ධයෙන් ප්‍රධාන ගණන්දීමේ නිලධාරීගේ හා ගණන්දීමේ නිලධාරීගේ වගකීම

---

පොදුවේ පිළිගත් ගිණුම්කරණ මූලධර්මවලට අනුකූලව හා 2018 අංක 19 දරන ජාතික විගණන පනතේ 38 වගන්තියේ සඳහන් විධිවිධානවලට අනුකූලව සත්‍ය හා සාධාරණ තත්ත්වයක් පිළිබිඹු කෙරෙන පරිදි මූල්‍ය ප්‍රකාශන පිළියෙල කිරීම හා වංචා සහ වැරදි හේතුවෙන් ඇති විය හැකි ප්‍රමාණාත්මක සාවද්‍ය ප්‍රකාශනයන්ගෙන් තොරව මූල්‍ය ප්‍රකාශන පිළියෙල කිරීමට හැකි වනු පිණිස අවශ්‍යවන අභ්‍යන්තර පාලනය තීරණය කිරීම ගණන්දීමේ නිලධාරීගේ වගකීම වේ.

2018 අංක 19 දරන ජාතික විගණන පනතේ 16(1) වගන්තිය ප්‍රකාරව දෙපාර්තමේන්තුව විසින් වාර්ෂික හා කාලීන මූල්‍ය ප්‍රකාශන පිළියෙල කිරීමට හැකිවන පරිදි ස්වකීය ආදායම්, වියදම්, වත්කම් හා බැරකම් පිළිබඳ නිසි පරිදි පොත්පත් හා වාර්තා පවත්වා ගෙන යා යුතුය.

ජාතික විගණන පනතේ 38(1)(ඇ) උප වගන්තිය ප්‍රකාරව දෙපාර්තමේන්තුවේ මූල්‍ය පාලනය සඳහා සඵලදායී අභ්‍යන්තර පාලන පද්ධතියක් සකස් කර පවත්වා ගෙන යනු ලබන බවට ගණන්දීමේ නිලධාරී සහතික විය යුතු අතර එම පද්ධතියේ සඵලදායීත්වය පිළිබඳව කලින් කල සමාලෝචනයක් සිදු කර ඒ අනුව පද්ධතිය ඵලදායී ලෙස කරගෙන යාමට අවශ්‍ය වෙනස්කම් සිදු කරනු ලැබිය යුතුය.





#### 1.4 මූල්‍ය ප්‍රකාශන විගණනය පිළිබඳ විගණකගේ වගකීම

සමස්ථයක් ලෙස මූල්‍ය ප්‍රකාශන, වංචා හා වැරදි හේතුවෙන් ඇතිවන ප්‍රමාණාත්මක සාවද්‍ය ප්‍රකාශයන්ගෙන් තොර බවට සාධාරණ තහවුරුවක් ලබාදීම සහ මාගේ මතය ඇතුළත් විගණන වාර්තාව නිකුත් කිරීම මාගේ අරමුණ වේ. සාධාරණ සහතිකවීම උසස් මට්ටමේ සහතිකවීමක් වන නමුත්, ශ්‍රී ලංකා විගණන ප්‍රමිති ප්‍රකාරව විගණනය සිදු කිරීමේදී එය සෑම විටම ප්‍රමාණාත්මක සාවද්‍ය ප්‍රකාශයන් අනාවරණය කර ගන්නා බවට වන තහවුරු කිරීමක් නොවනු ඇත. වංචා සහ වැරදි තනි හෝ සාමූහික ලෙස බලපෑම නිසා ප්‍රමාණාත්මක සාවද්‍ය ප්‍රකාශනයන් ඇති විය හැකි අතර, එහි ප්‍රමාණාත්මක භාවය මෙම මූල්‍ය ප්‍රකාශන පදනම් කර ගනිමින් පරිශීලකයන් විසින් ගනු ලබන ආර්ථික තීරණ කෙරෙහි වන බලපෑම මත රඳා පවතී.

ශ්‍රී ලංකා විගණන ප්‍රමිති ප්‍රකාරව විගණනයේ කොටසක් ලෙස මා විසින් විගණනයේදී වෘත්තීය විනිශ්චය සහ වෘත්තීය සැකසුමකින් යුතුව ක්‍රියා කරන ලදී. මා විසින් තවදුරටත්,

- ප්‍රකාශ කරන ලද විගණන මතයට පදනමක් සපයා ගැනීමේදී වංචා හෝ වැරදි හේතුවෙන් මූල්‍ය ප්‍රකාශනවල ඇති විය හැකි ප්‍රමාණාත්මක සාවද්‍ය ප්‍රකාශයන් ඇතිවීමේ අවදානම් හඳුනාගැනීම හා තක්සේරු කිරීම සඳහා අවස්ථාවෝචිතව උචිත විගණන පරිපාටි සැලසුම් කර ක්‍රියාත්මක කරන ලදී. වරදවා දැක්වීම් හේතුවෙන් සිදුවන ප්‍රමාණාත්මක සාවද්‍ය ප්‍රකාශයන්ගෙන් සිදුවන බලපෑමට වඩා වංචාවකින් සිදුවන්නා වූ බලපෑම ප්‍රබල වන්නේ ඒවා දුස්සන්ධානයෙන්, ව්‍යාජ ලේඛන සැකසීමෙන්, චේතනාන්විත මඟහැරීමෙන්, වරදවා දැක්වීමෙන් හෝ අභ්‍යන්තර පාලනයන් මඟ හැරීමෙන් වැනි හේතු නිසා වන බැවිනි.
- අභ්‍යන්තර පාලනයේ සම්පූර්ණත්වය පිළිබඳව මතයක් ප්‍රකාශ කිරීමේ අදහසින් නොවුවද, අවස්ථාවෝචිතව උචිත විගණන පරිපාටි සැලසුම් කිරීම පිණිස අභ්‍යන්තර පාලනය පිළිබඳව අවබෝධයක් ලබා ගන්නා ලදී.
- හෙළිදරව් කිරීම් ඇතුළත් මූල්‍ය ප්‍රකාශනවල ව්‍යුහය සහ අන්තර්ගතය සඳහා පාදක වූ ගනුදෙනු හා සිද්ධීන් උචිත හා සාධාරණ අයුරින් මූල්‍ය ප්‍රකාශනවල ඇතුළත් බව ඇගයීම.
- මූල්‍ය ප්‍රකාශනවල ව්‍යුහය හා අන්තර්ගතය සඳහා පාදක වූ ගනුදෙනු හා සිද්ධීන් උචිත හා සාධාරණව ඇතුළත් වී ඇති බව සහ හෙළිදරව් කිරීම් ඇතුළත් මූල්‍ය ප්‍රකාශනවල සමස්ථ ඉදිරිපත් කිරීම අගයන ලදී.

මාගේ විගණනය තුළදී හඳුනාගත් වැදගත් විගණන සොයාගැනීම්, ප්‍රධාන අභ්‍යන්තර පාලන දුර්වලතා හා පෙනෙන්න කරුණු පිළිබඳව ගණන්දීමේ නිලධාරී දැනුවත් කරමි.

#### 1.5 වෙනත් තෛතික අවශ්‍යතා පිළිබඳ වාර්තාව

2018 අංක 19 දරන ජාතික විගණන පනතේ 6(1)(ආ) වගන්තිය ප්‍රකාරව පහත සඳහන් කරුණු මා ප්‍රකාශ කරමි.

- (අ) මූල්‍ය ප්‍රකාශන ඉකුත් වර්ෂය සමඟ අනුරූප වේ.
- (ආ) ඉකුත් වර්ෂයට අදාළ මූල්‍ය ප්‍රකාශන පිළිබඳ මා විසින් කර තිබුණු පහත සඳහන් නිර්දේශය ක්‍රියාත්මක කර නොතිබුණි.

ඉකුත් වර්ෂයට අදාළ වාර්තාවේ ඡේද යොමුව		ක්‍රියාත්මක කර නොතිබුණු නිර්දේශය	මෙම වාර්තාවේ ඡේද යොමුව
(i)	1.6.3	භාණ්ඩාගාරයේ 52 වගුවේ සහ මූල්‍ය කාර්යසාධන ප්‍රකාශයේ අත්තිකාරම් ලැබීම් ලෙස රු. 6,214,614 ක් දක්වා තිබුණු අතර දෙපාර්තමේන්තු පොත් අනුව එය රු. 6,245,994 ක් වූයෙන් වෙනස රු. 31,380 ක් අග්‍රිම සැසඳුම් ප්‍රකාශයේ ඇතුළත් කර නොතිබුණි.	1.6.1 (ආ)

#### 1.6 මූල්‍ය ප්‍රකාශන පිළිබඳ අදහස් දැක්වීම

##### 1.6.1 ආදායම් නොවන ලැබීම්

- (අ) මූල්‍ය කාර්යසාධන ප්‍රකාශයේ ආදායම් නොවන ලැබීම් යටතේ අත්තිකාරම් ලැබීම් රු. 7,225,245 ක් වූ අතර භාණ්ඩාගාර වගුව SA 52 අනුව අත්තිකාරම් ලැබීම් වටිනාකම රු. 7,674,867 ක් වූයෙන් රු. 449,622 ක් අඩුවෙන් දක්වා තිබුණි.
- (ආ) දෙපාර්තමේන්තුවේ ශේෂ පිරික්ෂුමට අනුව වෙනත් ආදායම් ශීර්ෂ වෙනුවෙන් එකතු කරන ලද ආදායම් රු. 8,118,607 ක් වුවද එය මුදල් ප්‍රවාහ ප්‍රකාශයේ රු. 1,174,028 ක් ලෙස සටහන් කිරීමෙන් රු. 6,944,579 ක වෙනසක් නිරීක්ෂණය විය.



#### 1.6.2 පුනරාවර්තන වියදම්

- (අ) දෙපාර්තමේන්තුවේ ශේෂ පිරික්ෂුමට අනුව පුද්ගල පඩිනඩි හා මෙහෙයුම් වියදම රු. 167,809,639 ක් වුවද එය මුදල් ප්‍රවාහ ප්‍රකාශයේ රු. 155,838,014 ක් ලෙස සටහන් කිරීමෙන් රු. 11,971,625 ක වෙනසක් නිරීක්ෂණය විය.
- (ආ) දෙපාර්තමේන්තුවේ ඒකාබද්ධ ශේෂ පිරික්ෂුමට අනුව වෙනත් වැය ශීර්ෂ වෙනුවෙන් දරන ලද වියදම් රු. 197,925 ක් වුවද එය මුදල් ප්‍රවාහ ප්‍රකාශයේ සටහන් කර නොතිබුණි.

#### 1.6.3 අත්තිකාරම්

- (අ) මූල්‍ය කාර්යසාධන ප්‍රකාශයේ ප්‍රධාන ලෙජර් වියදම් යටතේ අත්තිකාරම් ගෙවීම් රු. 10,933,565 ක් දක්වා තිබූ අතර භාණ්ඩාගාර වගුව SA 52 හි සඳහන් අත්තිකාරම් ගෙවීම් වටිනාකම රු. 11,383,186 ක් වූයෙන් රු. 449,621 ක් අඩුවෙන් දක්වා තිබුණි.
- (ආ) දෙපාර්තමේන්තුවේ ශේෂ පිරික්ෂුමට අනුව අත්තිකාරම් අයකර ගැනීම් රු. 8,336,761 ක් වුවද එය මුදල් ප්‍රවාහ ප්‍රකාශයේ රු. 774,096 ක් ලෙස සටහන් කිරීමෙන් රු. 7,562,665 ක වෙනසක් නිරීක්ෂණය විය.
- (ඇ) දෙපාර්තමේන්තුවේ ඒකාබද්ධ ශේෂ පිරික්ෂුමට අනුව අත්තිකාරම් ගෙවීම් වටිනාකම රු. 11,661,324 ක් වුවද එය මුදල් ප්‍රවාහ ප්‍රකාශයේ රු. 9,323,631 ක් ලෙස සටහන් කිරීමෙන් රු. 2,337,693 ක වෙනසක් නිරීක්ෂණය විය.

#### 1.6.4 අග්‍රිම සැසඳුම් ප්‍රකාශය

- (අ) භාණ්ඩාගාර වගුව SA 52 අනුව අත්තිකාරම් ගෙවීම් රු. 11,383,186 ක් වූ අතර දෙපාර්තමේන්තු පොත් අනුව එය රු. 11,661,324 ක් විය. රු. 278,138 ක් වූ වෙනස අග්‍රිම සැසඳුම් ප්‍රකාශයේ ඇතුළත් කර නොතිබුණි.
- (ආ) භාණ්ඩාගාර වගුව SA 52 අනුව අත්තිකාරම් ලැබීම් රු. 7,674,867 ක් වූ අතර දෙපාර්තමේන්තු පොත් අනුව එය රු. 8,336,761 ක් විය. රු. 661,894 ක් වූ වෙනස අග්‍රිම සැසඳුම් ප්‍රකාශයේ ඇතුළත් කර නොතිබුණි.

(ඇ) දෙපාර්තමේන්තුවේ ඒකාබද්ධ ශේෂ පිරික්ෂණ අනුව අනෙකුත් ශීර්ෂ වෙනුවෙන් වාර්තාකරණ ආයතනය විසින් අත්තිකාරම් “බී” ගිණුම වෙනුවෙන් කරන ලද බැර කිරීම් රු. 1,765,040 ක් වුවද එය අග්‍රිම සැසඳුම් ප්‍රකාශයේ රු. 1,486,902 ක් ලෙස සටහන් කිරීමෙන් රු. 278,138 ක වෙනසක් නිරීක්ෂණය විය.

#### 1.6.5 ලේඛන හා පොත්පත් පවත්වා නොතිබීම

දෙපාර්තමේන්තුව විසින් වැය ලෙජරය හා තැන්පතු ලෙජරය යාවත්කාලීනව පවත්වාගෙන ගොස් නොතිබුණි.

### 2 මෙහෙයුම් සමාලෝචනය

#### 2.1 කළමනාකරණ දුර්වලතා

2023 දෙසැම්බර් 31 දිනට අත්තිකාරම් බී ගිණුමේ හිඟ හිටි නිලධාරීන්ගේ ණය ශේෂ එකතුව රු.576,605 ක් වී තිබුණි එම ශේෂය තුල වසර තුනකට වැඩි මිය ගිය නිලධාරියෙකුගෙන් අය විය යුතු රු. 147,429 ක ශේෂයක්ද, වැඩ තහනම් කරනු ලැබූ නිලධාරීන් තිදෙනෙකුගෙන් අය විය යුතු රු.217,570 ක ශේෂයක්ද, සේවය අතහැර ගිය නිලධාරියෙකුගෙන් අය විය යුතු වසර 05 ක් ඉක්මවන ලද රු. 211,606 ක ශේෂයක්ද පැවතුණි. මිය ගිය නිලධාරියාගේ ණය ශේෂය සම්බන්ධයෙන් ආයතන සංග්‍රහයේ xxiv පරිච්ඡේදයේ 4:6 වගන්තිය අනුවද සේවය අතහැර ගිය සහ වැඩ තහනම් කරනු ලැබූ නිලධාරීන්ගේ ශේෂ සම්බන්ධයෙන් රාජ්‍ය මුදල් ව. ක්‍රිලිබ 01/2020 ට අනුව වූ මාර්ගෝපදේශ අංක 01 හි (ඉ) ඡේදය ප්‍රකාරවද කටයුතු කර නොතිබුණි.

### 3 යහපාලනය

#### 3.1 අභ්‍යන්තර විගණනය

2018 අංක 19 දරන ජාතික විගණන පනතේ 40 වගන්තියේ සඳහන් විධිවිධාන ප්‍රකාරව දෙපාර්තමේන්තුවේ කටයුතු ඉටු කිරීම පිණිස සුදුසු අභ්‍යන්තර විගණකවරයෙකු පත්කළ යුතු වුවද 2021 සැප්තැම්බර් 06 දිනෙන් පසු අභ්‍යන්තර විගණකවරයෙකු පත්කර නොතිබුණි.





4 මානව සම්පත් කළමනාකරණය

2023 දෙසැම්බර් 31 දිනට දෙපාර්තමේන්තුවේ අනුමත තනතුර හා පුරප්පාඩු සේවක සංඛ්‍යාව පහත පරිදි වේ.

සේවක වර්ගය	අනුමත සංඛ්‍යාව	තනතුර සංඛ්‍යාව	පුරප්පාඩු සංඛ්‍යාව
ප්‍රාග්ධන මට්ටම	19	09	10
තාක්ෂණික මට්ටම	30	02	28
ද්විතීයික මට්ටම	216	190	26
ප්‍රාථමික මට්ටම	103	81	22
	368	282	86

මේ සම්බන්ධයෙන් පහත නිරීක්ෂණ කරනු ලැබේ.

(අ) 2023 දෙසැම්බර් 31 දිනට ප්‍රාග්ධන මට්ටමේ අනුමත කාර්යමණ්ඩලය 19 ක් වූ අතර නියෝජ්‍ය අධ්‍යක්ෂ/සහකාර අධ්‍යක්ෂ - ශ්‍රී ලංකා විද්‍යාත්මක සේවය තනතුරු 08 ක්ද, සහකාර අධ්‍යක්ෂ (පාලන) - ශ්‍රී ලංකා පරිපාලන සේවය තනතුරු 01 ක්ද, ගණකාධිකාරී (අභ්‍යන්තර විගණන) - ශ්‍රී ලංකා ගණකාධිකාරී සේවය තනතුරු 01 ක්ද ඇතුළුව 10 ක් එනම් සියයට 53 ක් 2011 වසරේ සිට පුරප්පාඩුව පවතින බව නිරීක්ෂණය විය.

(ආ) අනුමත තාක්ෂණික මට්ටමේ තනතුරු 30 ක් අතුරින් පරිපාලන නිලධාරී - කළමනාකරණ සේවා නිලධාරී සේවය (අධි ශ්‍රේණිය) තනතුරු 01 ක්ද සහකාර මිනුම් ඒකක ප්‍රමිත සේවා අධිකාරී - දෙපාර්තමේන්තුගත තනතුරු 04 ක්ද, ශ්‍රී ලංකා තාක්ෂණ සේවය (අධි ශ්‍රේණිය) තනතුරු 23 ක්ද ඇතුළුව 28 ක් එනම් සියයට 93 ක් පුරප්පාඩුව පැවතුණි.

(ඇ) 2023 දෙසැම්බර් 31 දිනට පිට පත්‍රපත තනතුරු සංඛ්‍යාවෙන් ප්‍රති සීමාව 23 ක් පුරප්පාඩු පැවතුණු අතර එම පුරප්පාඩු සීමිත ලෙස දෙපාර්තමේන්තුගත පුරප්පාඩු බව ප්‍රතික්ෂේප විය.

කී. ඩී. ඩබ්. ජයරත්න  
සී.පී.අයි.එස්.පී.  
නියෝජ්‍ය විගණකාධිපති  
විගණකාධිපති ඔවුහුට



# ජාතික විගණන කාර්යාලය

## தேசிய கணக்காய்வு அலுவலகம்

### NATIONAL AUDIT OFFICE



මගේ අංකය  
எனது இல.  
My No.

TAC/F/MUSSDF/2023/11

ඔබේ අංකය  
உமது இல.  
Your No.

දිනය  
திகதி  
Date

2024 මැයි 22 දින

අධ්‍යක්ෂ,

මිනුම් ඒකක ප්‍රමිති හා සේවා දෙපාර්තමේන්තුව

මිනුම් ඒකක ප්‍රමිති හා සේවා අරමුදලේ 2023 දෙසැම්බර් 31 දිනෙන් අවසන් වර්ෂය සඳහා වූ මූල්‍ය ප්‍රකාශන සහ වෙනත් නෛතික හා නියාමන අවශ්‍යතා පිළිබඳව 2018 අංක 19 දරන ජාතික විගණන පනතේ 11(1) වන වගන්තිය ප්‍රකාරව විගණකාධිපති වාර්තාව

යටපෝෂිත වාර්තාව මේ සමඟ එවා ඇත.

ඩබ්ලිව්.පී.සී.වික්‍රමරත්න

විගණකාධිපති

පිටපත්:- 1. ලේකම්, වෙළඳ, වාණිජ හා ආහාර සුරක්ෂිතතා අමාත්‍යාංශය

2. ලේකම්, මුදල් ආර්ථික ස්ථායීකරණ සහ ජාතික ප්‍රතිපත්ති අමාත්‍යාංශය



# ජාතික විගණන කාර්යාලය

தேசிய கணக்காய்வு அலுவலகம்  
NATIONAL AUDIT OFFICE



මගේ අංකය  
எனது இல. }  
My No. }

TAC/F/MUSSDF/2023/11

ඔබේ අංකය  
உமது இல. }  
Your No. }

දිනය  
திகதி }  
Date }

2024 මැයි 27 දින

අධ්‍යක්ෂ,

මිත්‍රම් ඒකක ප්‍රමිති හා සේවා දෙපාර්තමේන්තුව

මිත්‍රම් ඒකක ප්‍රමිති හා සේවා අරමුදලේ 2023 දෙසැම්බර් 31 දිනෙන් අවසන් වර්ෂය සඳහා වූ මූල්‍ය ප්‍රකාශන සහ වෙනත් නෛතික හා නියාමන අවශ්‍යතා පිළිබඳව 2018 අංක 19 දරන ජාතික විගණන පනතේ 11(1) වන වගන්තිය ප්‍රකාරව විගණකාධිපති වාර්තාව

## 1. මූල්‍ය ප්‍රකාශන

### 1.1 තත්ත්වගණනය කළ මතය

මිත්‍රම් ඒකක ප්‍රමිති හා සේවා අරමුදලේ 2023 දෙසැම්බර් 31 දිනට මූල්‍ය තත්ත්ව ප්‍රකාශනය සහ එදිනෙන් අවසන් වර්ෂය සඳහා වූ මූල්‍ය කාර්යසාධන ප්‍රකාශනය, හිමිකම් වෙනස්වීමේ ප්‍රකාශය සහ එදිනෙන් අවසන් වර්ෂය සඳහා මුදල් ප්‍රවාහ ප්‍රකාශනය සහ ප්‍රමාණාත්මක ගිණුම්කරණ ප්‍රතිපත්ති වලට අදාළ තොරතුරුද ඇතුළත් මූල්‍ය ප්‍රකාශනවලට අදාළ සටහන් වලින් සමන්විත 2023 දෙසැම්බර් 31 දිනෙන් අවසන් වර්ෂය සඳහා වූ මූල්‍ය ප්‍රකාශන ශ්‍රී ලංකා ප්‍රජාතාන්ත්‍රික සමාජවාදී ජනරජයේ ආණ්ඩුක්‍රම ව්‍යවස්ථාවේ 154(3) ව්‍යවස්ථාව සමඟ සංයෝජිතව කියවිය යුතු 2018 අංක 19 දරන ජාතික විගණන පනතේ විධිවිධාන ප්‍රකාර මාගේ විධානය යටතේ විගණනය කරන ලදී. ආණ්ඩුක්‍රම ව්‍යවස්ථාවේ 154 (6) ව්‍යවස්ථාව ප්‍රකාරව මාගේ වාර්තාව යථා කාලයේදී පාර්ලිමේන්තුවේ සභාගත කරනු ලැබේ.

මාගේ වාර්තාවේ තත්ත්වගණනය කළ මතය සඳහා පදනම කොටසේ විස්තර කර ඇති කරුණු වලින් වන බලපෑම හැර, ආයතනයේ මූල්‍ය ප්‍රකාශන තුළින් 2023 දෙසැම්බර් 31 දිනට මූල්‍ය තත්ත්වය සහ එදිනෙන් අවසන් වර්ෂය සඳහා එහි මූල්‍ය ක්‍රියාකාරීත්වය හා මුදල් ප්‍රවාහ ශ්‍රී ලංකා රාජ්‍ය අංශයේ ගිණුම්කරණ ප්‍රමිතිවලට අනුකූලව සත්‍ය හා සාධාරණ තත්ත්වයක් පිළිබිඹු කරන බව මා දරන්නා වූ මතය වේ.

පිටුව 1 | 8







## 1.2 තත්ත්වගණනය කළ මතය සඳහා පදනම

- (අ) අරමුදලේ හඳුනානොගත් වියදම් ලෙස ඉකුත් වසරවල සිට පැවත එන රු. 47,301,127කට මිලදීගත් රසායනාගාර උපකරණ මේ වන විට භාවිතයට ගෙන තිබුණද, සමාලෝචිත වර්ෂයේදී මෙම උපකරණ, දේපල පිරිසිදු හා උපකරණ යටතේ ගිණුම්ගත නොකර ඉකුත් වර්ෂවල වියදම් ලෙස සමුච්චිත අරමුදලින් ගලපා තිබුණි.
- (ආ) සමාලෝචිත වර්ෂයට අදාළව ගෙවන ලද එකතු වටිනාකම රු. 1,919,484 ක් වූ වියදම් වර්ෂයේ වියදමක් ලෙස ගිණුම්ගත නොකර, උපවිත වියදම් සඳහා ගෙවීමක් ලෙස සලකා ගලපා තිබුණි. තවද, සමාලෝචිත වර්ෂයේදී එකතු වටිනාකම රු. 1,133,327 ක් වූ ඉදිරි වර්ෂය වෙනුවෙන් ගෙවන ලද වියදම් සමාලෝචිත වර්ෂයේ වියදම් ලෙස ගිණුම්ගත කර තිබුණි.
- (ඇ) සමාලෝචිත වර්ෂයේ දෙසැම්බර් 31 දිනට ඉදිරිපත් කරන ලද බැංකු සැසඳුම් ප්‍රකාශය අනුව මුදල් පොතෙහි ශේෂයට සමාලෝචිත වර්ෂය දක්වා හඳුනා නොගත් සෘජු ප්‍රේෂණ ලැබීම් රු.9,989,864 ක් සහ හඳුනා නොගත් ගෙවීම් රු.1,474,211 ක් ගැලපීම් කර තිබුණද, ලැබීම් සහ ගෙවීම්වලට අදාළ සාක්ෂි විගණනයට ඉදිරිපත් නොවීම හේතුවෙන් එම ලැබීම් සහ ගෙවීම් සත්‍යාපනය කිරීමට නොහැකි විය.
- (ඈ) ස්ථාවර තැන්පතු සහතික අනුව සමාලෝචිත වර්ෂයේ දෙසැම්බර් 31 දිනට ශේෂය රු. 893,496,632 ක් වුවද, මූල්‍ය තත්ත්ව ප්‍රකාශනයේ ස්ථාවර තැන්පතු ලෙස රු. 874,011,949 ක් දක්වා තිබුණෙන් එම ශේෂය රු. 19,484,683 ක් අඩුවෙන් දක්වා තිබුණි.
- (ඉ) සමාලෝචිත වර්ෂයේ පොලී ආදායම ලෙස රු. 120,876,722 ක් දක්වා තිබුණද, විගණනයේ ගණනය කිරීම් අනුව රු. 140,376,986 ක් වූයෙන් පොලී ආදායම රු. 19,500,264 ක් අඩුවෙන්ද දක්වා තිබුණි. තවද, ලැබිය යුතු ස්ථාවර තැන්පතු පොලී ලෙස රු. 24,618,273 ක් මූල්‍ය ප්‍රකාශනයේ දක්වා තිබුණ ද විගණනයේ ගණනය කිරීම් අනුව ලැබිය යුතු පොලී ආදායම රු. 27,539,122ක් වූයෙන් එය රු. 2,920,849 ක් අඩුවෙන් දක්වා තිබුණි.
- (ඊ) සමාලෝචිත වර්ෂයේ දෙසැම්බර් 31 දිනට උපවිත වියදම් ලෙස රු. 4,493,637 ක් වෙන්කර තිබුණද, ඉදිරි වර්ෂයේ වටුවර් පරීක්ෂාවේදී උපවිත වියදම් එකතු වටිනාකම රු. 7,052,334 ක් වූයෙන් රු. 2,558,697 ක් අඩුවෙන් දක්වා තිබුණි.

(උ) එකතු කළ අගය මත ගෙවිය යුතු රු.5,970,781 ක බදු මුදල, භාණ්ඩාගාරයට ගෙවිය යුතු ආදායම් යටතේ මූල්‍ය ප්‍රකාශනවල දක්වා තිබුණි.

ශ්‍රී ලංකා විගණන ප්‍රමිතිවලට (ශ්‍රී.ලං.වි.ප්‍ර) අනුකූලව මා විගණනය සිදු කරන ලදී. මෙම විගණන ප්‍රමිති යටතේ වූ මාගේ වගකීම, මෙම වාර්තාවේ මූල්‍ය ප්‍රකාශන විගණනය සම්බන්ධයෙන් විගණකගේ වගකීම යන කොටසේ තවදුරටත් විස්තර කර ඇත. මාගේ තත්ත්වගණනය කළ මතය සඳහා පදනමක් සැපයීම උදෙසා මා විසින් ලබාගෙන ඇති විගණන සාක්ෂි ප්‍රමාණවත් සහ උචිත බව මාගේ විශ්වාසයයි.

### 1.3 මූල්‍ය ප්‍රකාශන පිළිබඳ කළමනාකරණයේ සහ පාලනය කරන පාර්ශවයන්ගේ වගකීම

මෙම මූල්‍ය ප්‍රකාශන ශ්‍රී ලංකා රාජ්‍ය අංශයේ ගිණුම්කරණ ප්‍රමිතිවලට අනුකූලව පිළියෙල කිරීම හා සාධාරණ ලෙස ඉදිරිපත් කිරීම සහ වංචා හෝ වැරදි හේතුවෙන් ඇතිවිය හැකි ප්‍රමාණාත්මක සාවද්‍ය ප්‍රකාශයන්ගෙන් තොරව මූල්‍ය ප්‍රකාශන පිළියෙල කිරීමට හැකිවනු පිණිස අවශ්‍ය වන අභ්‍යන්තර පාලනයන් තීරණය කිරීම කළමනාකරණයේ වගකීම වේ.

මූල්‍ය ප්‍රකාශන පිළියෙල කිරීමේදී, අරමුදල අඛණ්ඩව පවත්වාගෙන යාමේ හැකියාව තීරණය කිරීම කළමනාකරණයේ වගකීමක් වන අතර, කළමනාකාරිත්වය අරමුදල ඇවර කිරීමට අදහස් කරන්නේ නම් හෝ වෙනත් විකල්පයක් නොමැති විටදී මෙහෙයුම් නැවැත්වීමට කටයුතු කරන්නේ නම් හැර අඛණ්ඩ පැවැත්මේ පදනම මත ගිණුම් තැබීම හා අරමුදලේ අඛණ්ඩ පැවැත්මට අදාළ කරුණු අනාවරණය කිරීමද කළමනාකරණයේ වගකීමකි.

අරමුදලේ මූල්‍ය වාර්තාකරණ ක්‍රියාවලිය සම්බන්ධව පරීක්ෂා කිරීමේ වගකීම, පාලනය කරන පාර්ශවයන් විසින් දරනු ලබයි.

2018 අංක 19 දරන ජාතික විගණන පනතේ 16 (1) උප වගන්තිය ප්‍රකාරව, අරමුදලේ වාර්ෂික සහ කාලීන මූල්‍ය ප්‍රකාශන පිළියෙල කිරීමට හැකිවන පරිදි ස්වකීය ආදායම්, වියදම්, වත්කම් හා බැරකම් පිළිබඳ නිසි පරිදි පොත්පත් හා වාර්තා පවත්වාගෙන යා යුතුය.

### 1.4 මූල්‍ය ප්‍රකාශන විගණනය සම්බන්ධයෙන් විගණකගේ වගකීම

සමස්ථයක් ලෙස මූල්‍ය ප්‍රකාශන, වංචා සහ වැරදි නිසා ඇතිවන ප්‍රමාණාත්මක සාවද්‍ය ප්‍රකාශනයන්ගෙන් තොර බවට සාධාරණ තහවුරුවක් ලබාදීම සහ මාගේ මතය ඇතුළත් විගණන වාර්තාව නිකුත් කිරීම මාගේ අරමුණ වේ. සාධාරණ සහතිකවීම උසස් මට්ටමේ සහතිකවීමක් වන නමුත්, ශ්‍රී ලංකා විගණන ප්‍රමිති ප්‍රකාරව විගණනය සිදු කිරීමේදී එය



සැමවිටම ප්‍රමාණාත්මක සාධදායක ප්‍රකාශනයන් අනාවරණය කරගන්නා බවට වන තහවුරු කිරීමක් නොවනු ඇත. වංචා සහ වැරදි තනි හෝ සාමූහික ලෙස බලපෑම නිසා ප්‍රමාණාත්මක සාධදායක ප්‍රකාශනයන් ඇතිවිය හැකි අතර, එහි ප්‍රමාණාත්මක භාවය මෙම මූල්‍ය ප්‍රකාශන පදනම් කරගනිමින් පරිශීලකයන් විසින් ගනු ලබන ආර්ථික තීරණ කෙරෙහි වන බලපෑම මත රඳා පවතී.

ශ්‍රී ලංකා විගණන ප්‍රමිති ප්‍රකාරව විගණනයේ කොටසක් ලෙස මා විසින් විගණනයේදී වෘත්තීය චිත්ශීලය සහ වෘත්තීය සැකමුසුවෙන් යුතුව ක්‍රියා කරන ලදී. මා විසින් තවදුරටත්,

- ප්‍රකාශ කරන ලද විගණන මතයට පදනමක් සපයා ගැනීමේදී වංචා හෝ වැරදි හේතුවෙන් මූල්‍ය ප්‍රකාශනවල ඇති විය හැකි ප්‍රමාණාත්මක සාධදායක ප්‍රකාශනයන් ඇතිවීමේ අවදානම් හඳුනාගැනීම හා තක්සේරු කිරීම සඳහා අවස්ථාවෝචිතව උචිත විගණන පරිපාටි සැලසුම් කර ක්‍රියාත්මක කරන ලදී. වරදවා දැක්වීම හේතුවෙන් සිදුවන ප්‍රමාණාත්මක සාධදායක ප්‍රකාශනයන්ගෙන් සිදුවන බලපෑමට වඩා වංචාවකින් සිදුවන්නා වූ බලපෑම ප්‍රබල වන්නේ ඒවා දුස්සන්ධානයෙන්, ව්‍යාජ ලේඛන සැකසීමෙන්, වෙනනාත්විත මහභූරීමෙන්, වරදවා දැක්වීමෙන් හෝ අභ්‍යන්තර පාලනයන් මත හැරීමෙන් වැනි හේතු නිසා වන බැවිනි.
- අභ්‍යන්තර පාලනයේ සඵලදායීත්වය පිළිබඳව මතයක් ප්‍රකාශ කිරීමේ අදහසින් නොවුවද, අවස්ථාවෝචිතව උචිත විගණන පරිපාටි සැලසුම් කිරීම පිණිස අභ්‍යන්තර පාලනය පිළිබඳව අවබෝධයක් ලබාගන්නා ලදී.
- භාවිතා කරන ලද ගිණුම්කරණ ප්‍රතිපත්තිවල උචිතභාවය, ගිණුම්කරණ ඇස්තමේන්තුවල සාධාරණත්වය සහ කළමනාකරණය විසින් කරන ලද සම්බන්ධිත හෙළිදරව් කිරීම් අගයන ලදී.
- සිද්ධීන් හෝ තත්ත්වයන් හේතුවෙන් අරමුදලේ අඛණ්ඩ පැවැත්ම පිළිබඳ ප්‍රමාණාත්මක අවිනිශ්චිතතාවයක් තිබේද යන්න සම්බන්ධයෙන් ලබාගත් විගණන සාක්ෂි මත පදනම්ව ගිණුම්කරණය සඳහා අරමුදලේ අඛණ්ඩ පැවැත්ම පිළිබඳ පදනම යොදා ගැනීමේ අදාලත්වය තීරණය කරන ලදී. ප්‍රමාණවත් අවිනිශ්චිතතාවයක් ඇති බවට මා නිගමනය කරන්නේ නම් මූල්‍ය ප්‍රකාශනවල ඒ සම්බන්ධයෙන් වූ හෙළිදරව්කිරීම් වලට මාගේ විගණන වාර්තාවේ අවධානය යොමු කළ යුතු අතර, එම හෙළිදරව්කිරීම් ප්‍රමාණවත් නොවන්නේ නම් මාගේ මතය විකරණය කළ යුතුය. කෙසේ වුවද, අනාගත සිද්ධීන් හෝ තත්ත්වයන් මත අඛණ්ඩ පැවැත්ම අවසන් වීමට හැකිය.



- මූල්‍ය ප්‍රකාශනවල ව්‍යුහය හා අන්තර්ගතය සඳහා පාදක වූ ගනුදෙනු හා සිද්ධීන් උචිත හා සාධාරණව ඇතුළත් වී ඇති බව සහ හෙළිදරව් කිරීම් ඇතුළත් මූල්‍ය ප්‍රකාශනවල සමස්ථ ඉදිරිපත් කිරීම අගයන ලදී.

මාගේ විගණනය තුළදී හඳුනාගත් වැදගත් විගණන සොයාගැනීම්, ප්‍රධාන අභ්‍යන්තර පාලන දුර්වලතා හා අනෙකුත් කරුණු පිළිබඳව පාලනය කරනු ලබන පාර්ශ්වයන් දැනුවත් කරමි.

## 2. වෙනත් තෛතික හා නියාමන අවශ්‍යතා පිළිබඳ වාර්තාව

2018 අංක 19 දරන ජාතික විගණන පනතේ පහත සඳහන් අවශ්‍යතාවයන් සම්බන්ධයෙන් විශේෂ ප්‍රතිපාදන ඇතුළත් වේ.

- 2018 අංක 19 දරන ජාතික විගණන පනතේ 6 (1) (ඇ) (iii) වගන්තියේ සඳහන් අවශ්‍යතාවය අනුව අරමුදලේ මූල්‍ය ප්‍රකාශන ඉකුත් වර්ෂය සමඟ අනුරූප වේ.
- 2018 අංක 19 දරන ජාතික විගණන පනතේ 6 (1) (ඇ) (iv) වගන්තියේ සඳහන් අවශ්‍යතාවය අනුව ඉකුත් වර්ෂයේදී මා විසින් සිදුකරන ලද නිර්දේශයන් ඉදිරිපත් කරන ලද මූල්‍ය ප්‍රකාශනවල ඇතුළත්ව ඇත.

## 3. මෙහෙයුම් සමාලෝචනය

### 3.1 නීති, රීති රෙගුලාසි හා කළමනාකරණ තීරණවලට අනුකූල නොවීම

පහත සඳහන් නීති, රීති රෙගුලාසි හා කළමනාකරණ තීරණවලට අනුකූල නොවීම් නිරීක්ෂණය විය.

නීතිරීති / විධානයට යොමුව

නිරීක්ෂණ

- (අ) 1995 අංක 35 දරන මිනුම් ඒකක ප්‍රමිත සේවා පනතේ 20 (1) (අ) සහ 37 වගන්තිය

වෙළඳාමේ භාවිතා වන සියලුම මිනුම් උපකරණ වාර්ෂිකව සත්‍යාන්ෂණය කළයුතු වුවත් භාවිතා කරනු ලබන සෑම උපකරණයක්ම සත්‍යාන්ෂණය කරන බව තහවුරු කර ගනිමේ නිසි ක්‍රමවේදයක් අරමුදල තුළ මේ දක්වා ස්ථාපිත කර නොතිබුණි.





- (ආ) 2016 දෙසැම්බර් 29 දිනැති අංක 30/2016 දරන රාජ්‍ය පරිපාලන චක්‍රලේඛයේ 3.1 ඡේදය රජයේ වාහන සෑම ඉන්ධන දහන පරීක්ෂාවකට පසු මාස 12 ක කාල සීමාවකින් පසුව හෝ කිලෝමීටර් 25,000 ක දුර ප්‍රමාණයක් ධාවනය කිරීමෙන් පසුව හෝ එන්ජිමට සම්බන්ධ ප්‍රධාන අවන්වැඩියාවකට පසු හෝ යන කාරණා අතරින් මූලිකම යෙදෙන අවස්ථාවට පසුව නැවත ඉන්ධන දහන පරීක්ෂාවක් සිදුකළ යුතු වුවද දෙපාර්තමේන්තුවේ ඇති වාහන 13 ක් සම්බන්ධයෙන් එවැනි පරීක්ෂාවක් සිදුකර නොතිබුණි.

### 3.2 කළමනාකරණ ක්‍රියාකාරකම්

- (අ) මිනුම් ඒකක, ප්‍රමිත හා සේවා දෙපාර්තමේන්තුවේ විදුලි සෝපාන 02 ක් සේවාකරණය සහ නිසි ප්‍රමිතියෙන් නඩත්තු කිරීම සඳහා 2022 නොවැම්බර් 01 දින සිට 2023 ඔක්තෝබර් 31 දින දක්වා වසරක කාලයකට පෞද්ගලික ආයතනයක් සමඟ ගිවිසුම්ගත වී තිබුණද, ගිවිසුම්ගත දින සිට මාස 08 ක කාලයක් ගිවිසුම්ගත මුදල රු. 1,038,318 ක් ප්‍රමාද වී ගෙවීම හේතුවෙන් අදාළ ගිවිසුම ප්‍රකාරව විදුලි සෝපාන යන්ත්‍ර 02 සඳහා සේවා වාර 08 බැගින් සේවා වාර 16 ක් මඟ හැරී තිබුණි.
- (ඈ) සමාලෝචිත වර්ෂය තුළ වායුසමීකරණ යන්ත්‍ර 79 කට අදාළව සේවාකරණ ගිවිසුම්වලට එළඹී නොතිබීම හේතුවෙන් වර්ෂයක් වැනි කෙටි කාලයක් තුළ යන්ත්‍ර කිහිප වරක් අලුත්වැඩියා කිරීම් සිදු කර තිබුණු අතර 2023 වර්ෂයේ වාර 36 ක් තුළ වායු සමීකරණ යන්ත්‍ර සඳහා රු. 2,137,590 ක අලුත්වැඩියා වියදම් දරා තිබුණි.

### 3.3 කාර්යසාධනය

අරමුදල විසින් සමාලෝචිත වර්ෂය තුළදී ක්‍රියාකාරී සැලැස්මට අනුව ඉටුකර ගැනීමට සැලසුම් කරන ලද කාර්යයන් සම්බන්ධයෙන් පහත සඳහන් නිරීක්ෂණයන් කරනු ලැබේ.

- (අ) උපකරණ නිෂ්පාදකයින්, ආනයනකරුවන්, විකුණුම්කරුවන්, අලුත්වැඩියාකරුවන් ලියාපදිංචි කර ගැනීමේ ඉලක්කගත ප්‍රමාණය හා ආදායම ලබාගැනීම පිළිවෙලින් ඒකක 600 ක් සඳහා රු. මිලියන 15 ක් වූද සත්‍ය ප්‍රමාණය හා සත්‍ය හා ආදායම ඒකක 148 ක් හා රු.මි 0.69 ක් වී තිබුණි. මේ අනුව ඉලක්ක ගත ප්‍රමාණයේ සත්‍ය කාර්ය සාධනය සියයට 25 ක් පමණක් වී තිබුණි.

- (ආ) දිස්ත්‍රික්ක 12 ක් තුළ මිනුම් ප්‍රමිතීන් නැවත සත්‍යාපනය කිරීමට සැලසුම් කර තිබුණද, සමාලෝචිත වර්ෂය තුළ දිස්ත්‍රික්ක 05 ක පමණක් එම කාර්යය ඉටුකර තිබුණි.
- (ඇ) ආයතනික රාමුව ශක්තිමත් කිරීමේ පරමාර්ථය යටතේ මිනුම් ඒකක ප්‍රමිති සේවා පනත හා නීති රීති යාවත්කාලීන කිරීමේ ප්‍රගතිය සියයට 35 ක් වී තිබුණි.
- (ඈ) දක්ෂ හා උගත් ප්‍රජාවක් ඇති කිරීම සඳහා මිනුම් දැනුම ව්‍යාප්ත කිරීම හා අන්තර් ආශ්‍රිත ආයතන අතර පුහුණු වැඩසටහන් ප්‍රවර්ධනය කිරීමේ අරමුණු ඉටුකර ගැනීම සඳහා සාමාන්‍ය ජනතාව දැනුවත් කිරීමේ වැඩසටහන් හා ප්‍රදර්ශන පැවැත්වීම් සමාලෝචිත වර්ෂයේදී කොපමණ ප්‍රමාණයක් ඉටු කරනු ලබන්නේද යන්න සැලසුම්කර නොතිබුණු අතර ඒ යටතේ ප්‍රදර්ශන 02 ක් පමණක් පවත්වා තිබුණි.
- (ඉ) සංවර්ධන හා පර්යේෂණ කටයුතු යටතේ මිනුම් විද්‍යා පරීක්ෂණ නිලධාරීන් 09 දෙනෙකුට පර්යේෂණ ව්‍යාපෘති 08 ක් භාරදී තිබූ අතර එම ව්‍යාපෘති සමාලෝචිත වර්ෂය තුළ අවසන් කිරීමට සැලසුම් කර තිබුණද අදාළ ව්‍යාපෘති කටයුතු නිශ්චිත හේතු දැක්වීමකින් තොරව 2024 වර්ෂය දක්වා දිර්ඝ කර ගෙන තිබුණි.

### 3.4 ප්‍රසම්පාදන

සමාලෝචිත වර්ෂය තුළ ආයතනයේ වාහනවල වාරාන්තකුල සේවා වාර 26 ක් සඳහා රු. 1,198,432 ක වියදම් දරා තිබුණද, ප්‍රසම්පාදන මාර්ගෝපදේශ අත්පොතෙහි 3.4 වගන්තිය අනුව සුළු වටිනාකමක් ඇති වැඩ හෝ සේවා ලබා ගැනීමේදී ලියාපදිංචි සැපයුම්කරුවන් අතරින් හෝ දුරකථන නාමාවලියේ කහ පිටු අතරින් තෝරාගත් සැපයුම්කරුවන් ලබාගත් ලංසු 03ක් හෝ 05 ක් අතරින් ඇගයීම් කර තෝරාගත් ලංසුකරුවන්ගෙන් අදාළ සේවාව ලබා ගැනීමට කටයුතු නොකර සේවා වාර 17කට එකම සේවා ස්ථානයකින් සිදුකර රු.827,570ක මුදලක් ගෙවා තිබුණි.



### 3.5 නිෂ්කාර්ය වත්කම්

දෙපාර්තමේන්තුවේ විද්‍යාගාර කාමර 66ක් සහිතව 2015 සිට ජාතික මිනුම් පර්යේෂණාගාරය පිහිටුවා තිබුණද වර්තමානයේ මිනුම් කේෂත්‍ර 12 ක් සඳහා විද්‍යාගාර කාමර 33 ක් පමණක් ක්‍රියාකාරීව පවත්වාගෙන යන අතර ඉතිරි කාමර 33 ක් (වර්ග අඩි 140,060 ප්‍රමාණයක්) විගණිත දින දක්වා නිෂ්කාර්යයට පවතින බව නිරීක්ෂණය විය.

  
ඩබ්ලිව්. පී. සී. වික්‍රමරත්න  
විගණකාධිපති



## Performance Indicators

### 4.1 Performance indicators of the Institute (Based on the Action Plan)


Specific Indicators	Actual Output as a (%) of expected output		
	100%-90%	75%-89%	50%-74%
Number of units verified	-	-	71.7%
Verification income	-	85%	-
Number of units of Calibrated	116%	-	-
Calibration income	171%	-	-
Training Program Income	112%	-	-
Pattern approval income	-	85%	-
Pattern approval income	308%	-	-
No. of Registrations of personal entrepreneurs	-	-	70.3%
Registration Income of personal entrepreneurs	-	80%	-
No. of Pre packed goods checked	-	-	28.5%
No. of Raids	180%	-	-
No. of Awareness Programs	260%	-	-



Table 22



# Sustainable Development Goals (SDG)

## 5.1 The Identified respective Sustainable Developments Goals

Goal / Objective	Goals	Performance Indicators	Progress of the Achievement to date		
			0% -49%	50%- 74%	75%-100%
Goal 01 Eradication of Poverty 	<ul style="list-style-type: none"> <li>Making trade fairer, even in the smallest markets, will ensure that all farmers receive the correct payment for their produce.</li> </ul>	Number of targeted verified units during the year		71.7%	
	<ul style="list-style-type: none"> <li>Ensuring that governments are able to collect accurate taxes on exports, not just the price paid by accurate measurements</li> <li>The control of prepacked goods will also help to reduce fraud in this increasingly important area which often concerns staple foodstuffs.</li> </ul>	No. of prepackaged items that are expected to be monitored during the year	28.5%		

Goal / Objective	Goals	Performance Indicators	Progress of the Achievement to date		
			0% -49%	50%- 74%	75%-100%
Goal 03  Good Health and well being  	<ul style="list-style-type: none"> <li>• Improvements in the quality of healthcare,</li> <li>• Reduction in “false positive” and “false negative: test results,</li> <li>• Reduction in costs for governments and healthcare insurers and an improvement in the efficiency of health care.</li> <li>• Reduction in the numbers of repeat tests due to improvements in quality</li> <li>• Reducing the cost of quality diagnostics.</li> </ul>	The number of units expected to verify or calibrate the equipment related to the health sector during the year	-	-	Calibration of thermometers, pressure gauges and mass measuring instruments related to the medical field has been done based on the requirement.
Goal 07  Affordable and clean Energy  	<ul style="list-style-type: none"> <li>• Metrology play critical role to control the CO2 and other negative emissions to the environment</li> </ul>	No. of Smoke meters verified during the year			<b>119%</b>





## **5.2 Achievements and Challenges in Achieving Sustainable Development Goals**

### **Achievements**

The CIPM MRA is a platform that provides the organizational and technical framework for National Metrology Institutes worldwide to recognize each other's measurement standards and calibration certificates. The Department of Measurement, Standards and Services is the National Measurement Laboratory representing the CIPM MRA. We have been able to avoid trade barriers by meeting one of the requirements of CIPM-MRA in accordance with ISO/IEC 17025:2017, by establishing and maintaining the Quality Management System (QMS) as well as preparing the technical manual. Apart from this, the target number of revisions and the number of verified vehicle emission testing (smoke meters and gas analyzers) during the year have exceeded the expected level and contributed to increase the performance.

### **Challenges**

The posts of technical officers in the laboratory are vacant due to local/foreign leave under Public Administration Circulars 14/2022, 14/2022(I) and 14/2022(II) which has directly affected the performance of the laboratory. As a remedy, we have decided to suspend local/foreign holidays as per departmental circulars. A huge challenge we faced was that due to a late error in the Ministry of Public Administration, the recruitment for the scientific service was not done as scheduled. Also, we are facing major crises due to the lack of necessary approval to install the ultra-precise air conditioning system at the National Measurement Laboratory, which directly affects the accreditation and calibration process at the optimal level.

# 6

## Human Resource Profile

## 6.1 Cadre Management - The cadre composition – – 2023

Position	Salary Scale	Service Category	Class	Approve Cadre	Actual Cadre			No. of prevailing vacancies
					Permanent	Contract	Acting	
Senior								
Director of MUSSD	SL-1-2016	Sri Lanka Scientific Service	I	01	01	-	-	-
Deputy Director/ Assistant Director of MUSSD	SL-1-2016	Sri Lanka Scientific Service	III/II/I Combined	15	07	-	-	08
Assistant Director (Admin)	SL-1-2016	Sri Lanka Administration Service	III/II	01	-	-	-	01
Accountant	SL-1-2016	Sri Lanka Accountants' Service	III/II	01	01	-	-	-
Accountant (Internal Audit)	SL-1-2016	Sri Lanka Accountants' Service		01	-	-	-	01
Tertiary								
Administration Officer	MN-7-2016	Management Service Officer Service (Higher Grade)		01	-	-	01	01
Assistant MUSSD Superintendent	MN-7-2016	Departmental		04	-	-	-	04
Assistant MUSSD Superintendent	MN-7-2016	Sri Lanka Technological Service (Higher Grade)		25	02	-	10	23

Position	Salary Scale	Service Category	Class	No. of Approved cadre	Actual Cadre			No. of prevailing vacancies
					Permanent	Contract	Acting	
Secondary								
Metrology Experiment Officer	MN-4-2016	Departmental		36	21	-	-	15
District Metrology Investigation Assistant	MN-4-2016	Departmental		03	03	-	-	-
Information & Communication Technology Officer	MN-6-2016	Information & Communication Service		01	-	-	-	01
Development Officer	MN-4-2016	Development Officer Service		60	60	-	-	-
Librarian	MN-3-2016	Sri Lanka State Librarian Services		01	-	-	-	01
MSD Inspector	MN-3-2016	Sri Lanka Technical Service	III/II/I	91	86	-	-	05
Lab Assistant	MN-3-2016	Sri Lanka Technology Service (Departmental)		04	-	-	-	04
Management Service Officer	MN-2-2016	Management Service Officer	III/II/I	20	20	-	-	-

Position	Salary Scale	Service Category	Class	Approve Cadre	Actual Cadre			No. of prevailing vacancies
					Permanent	Contract	Acting	
Primary								
Technician	MT3/PL3-2016	Departmental		02	-	-	-	02
Mechanic	PL3-2016	Departmental		02	02	-	-	-
Driver	PL3-2016	Combined Services		17	15	-	-	02
Measurement Standard Services Attendant	PL2-2016	Departmental		63	53	-	-	10
Lab Assistant	PL2-2016	Departmental		10	06	-	-	04
Lorry Assistant	PL1-2016	Departmental		02	01	-	-	01
Office Aid	PL1-2016	Office Assistant Service		05	04	-	-	01
Watcher	PL1-2016	Departmental		01	-	-	-	01
Sanitary Labour	PL1-2016	Departmental		01	-	-	-	01
Total				368	281	-	11	86

Table 24

## **6.2 How the deficit/surplus of human resources has affected the performance of the organization**

There are huge human resource vacancies for the posts of Assistant Director of Measurement Units, Standards and Services (Sri Lanka Scientific Service) and Metrology Testing Officer (Departmental), Lab Assistant and Lab Assistant for the service of National Measurement Laboratory. About 50% of the total number of vacancies currently available in these sanctioned posts. Vacancy percentage of Lab Assistant posts is 100%. For the future development and service promotion of the Metrology Research Laboratory and for the efficient performance of metrology services (calibration, verification, model approval), the recruitment of officers for the above-mentioned vacant positions should be done promptly. Installation of measurement standards for new measurement parameters and provision of new metrological services are to be started but we are facing the problem of not being able to do them due to the lack of officers.

## **6.3 Human Resources Development**

By providing the relevant knowledge to the officers while carrying out their duties in the institution, they will be able to perform their duties more efficiently and accurately than usual, thereby increasing the performance of the department.

It is essential to obtain and update the technical knowledge related to each field in order to carry out the work of the research laboratory. Accordingly, by providing local/foreign technical training, the performance of the research laboratory will be increased and by providing training to each officer according to the assigned duties, it will help to increase the performance of the entire department by being able to perform their duties correctly, systematically and with

No.	Name of the Program	No. of staff trained	Duration of the program	Total Investment (Rs'000)		Nature of the Program (Abroad/ Local)	Output/Knowledge Gained*
				Local	Foreign		
01	Advance certificate in Transport Management	1	180	Rs. 60,000.00	-	Local	Knowledge of Transport Management
02	Advance MS Excel Skills	14	12	Rs.182,000.00	-	Local	Knowledge of MS Excel
03	Awareness Training on Accreditation of Reference material Producers as per ISO 17034	3	12	Rs.30,000.00	-	Local	Knowledge of Accreditation of Reference material Producers as per ISO 17034
04	Calibration of pressure balance using EURAMET cg-3-method A and Absolute pressure measurement using pressure balance	3	24	Rs. 0.00	-	Local	Knowledge of Calibration of pressure balance using EURAMET cg-3-method A and Absolute pressure measurement using pressure balance
05	Corporate plan Development	1	6	Rs.. 12,500.00	-	Local	Knowledge of Corporate plan Development
06	Data base Management in MS Access	6	12	Rs. 78,000.00	-	Local	Knowledge of Data base Management in MS Access
07	Ethics and Disciplines for Driver and Minor staff	2	12	Rs. 19,000.00	-	Local	Knowledge of Ethics and Disciplines for Driver and Minor staff
08	Law Training	16	12	Rs. 292,800.00	-	Local	Knowledge of Law
09	Management skills Development	5	18	Rs.195,000.00	-	Local	Knowledge of Management skills



No.	Name of the Program	No. of staff trained	Duration of the program	Total Investment (Rs'000)		Nature of the Program (Abroad/ Local)	Output/Knowledge Gained*
				Local	Foreign		
10	Principals of Internal Auditing Procedure	1	12	Rs. 7,500.00	-	Local	Knowledge of Principals of Internal Auditing Procedure
11	Procurement Procedure	1	12	Rs. 22,000.00	-	Local	Knowledge of Procurement Procedure
12	Salary Conversions	1	12	Rs.7,500.00	-	Local	Knowledge of Salary Conversions
13	Tamil Course	27	100	Rs.75,000.00	-	Local	Knowledge of Tamil
14	Workshop on Disciplinary Procedure	2	12	Rs.19,000.00	-	Local	Knowledge of Disciplinary Procedure
15	Workshop on Evidence law (Online)	30	12	Rs.84,000.00	-	Local	Knowledge of Evidence law
16	Workshop on Statistical Inference for Scientific Research	39	6	Rs.30,000.00	-	Local	Knowledge of Statistical Inference for Scientific Research
17	Internal Auditing of Laboratory Quality Management Systems as per ISO/IEC 17025: 2014	1	6	Rs.0.00	-	Local	Knowledge of Internal Auditing of Laboratory Quality Management Systems as per ISO/IEC 17025: 2014
	<b>Total Cost</b>			<b>Rs.1,114,300.00</b>			

Table 25

No.	Name of the Program	No. of staff trained	Duration of the program	Total Investment (Rs'000)		Nature of the Program (Abroad/ Local)	Output/Knowledge Gained*
				Local	Foreign		
01	MEDEA-APMP DEC Strategic Plan Review Workshop	1	24 Hours	-	-	Foreign	Knowledge regarding “Strategic Plan”
02	Post-Measurement Workshop for the project “Building Laboratory Capabilities to Assure Water Quality in Asia Pacific Economies”	1	24 Hours	-	-	Foreign	Knowledge regarding “Building Laboratory Capabilities to Assure Water Quality in Asia Pacific Economies”
03	MEDEA: Metrology – Enabling Developing Economies in Asia “Training Course on Calibration Capability for Infusion/Syringe Pump Analyzers” -2nd Workshop	1	18 Hours	-	-	Foreign	Knowledge regarding “Calibration Capability for Infusion/Syringe Pump Analyzers”
04	Metrology in Acoustics, Ultrasound and Vibration	1	66 Hours	-	-	Foreign Online	Knowledge regarding “Acoustics, Ultrasound and Vibration”

No.	Name of the Program	No. of staff trained	Duration of the program	Total Investment (Rs'000)		Nature of the Program (Abroad/ Local)	Output/Knowledge Gained*
				Local	Foreign		
05	Digital Transformation in Metrology Workshop “DCC for developer and its implementation in NQI”	1	18 Hours	-	-	Foreign	Knowledge regarding “developer and its implementation in NQI”
06	APMP EEFG International Workshop “Measurement for Sustainable Energy”	2	12 Hours	-	-	Foreign	Knowledge regarding “Measurement for Sustainable Energy”

Table 26



# 7

## Compliance Report

No.	Applicable Requirement	Compliance Status (Complied/Not Complied)	Brief explanation for Non Compliance	Corrective actions proposed to avoid non-compliance in future
1	The following Financial statements/accounts have been submitted on due date			
1.1	Annual financial statements	Complied	Does not relevant to this Department.	
1.2	Advance to public officers account	Complied		
1.3	Trading and Manufacturing Advance Accounts (Commercial Advance Accounts)	Not Complied		
1.4	Special Advance Accounts	Not Complied		
1.5	Others Measurement units , Standards & Services Fund	Not Complied		
1.6	Maintenance of books and documents (F.R.445)	Complied		
2	Fixed assets register has been maintained and updated in terms of Public Administration Circular 267/2018			
2.1	Personal emoluments register/ Personal emoluments cards has been maintained and updated.	Complied		
2.2	Register of Audit queries has been maintained and update	Complied		
2.3	Register of Internal Audit reports has been maintained and updated.	Complied		
2.4	All the monthly account summaries (CIGAS) are prepared and submitted to the Treasury on due date.	Complied		

No.	Applicable Requirement	Compliance Status (Complied/Not Complied)	Brief explanation for Non Compliance	Corrective actions proposed to avoid non-compliance in future
2.5	Special Advance Accounts	Complied		
2.6	Register for cheques and money orders has been maintained and updated.	Complied		
2.7	Inventory register has been maintained and updated.	Complied		
2.8	Stocks Register has been maintained and updated.	Complied		
2.9	Register of Losses has been maintained and updated.	Complied		
2.10	Commitment Register has been maintained and updated.	Not Complied	Does not maintain document due to lack of liabilities.	
2.11	Register of Counterfoil Books (GA – N20) has been maintained and updated.	Complied		
3	<b>Delegation of functions for financial control (FR 135)</b>			
3.1	The financial authority has been delegated within the institute.	Complied		
3.2	The delegation of financial authority has been communicated within the institute.	Complied		
3.3	The authority has been delegated in such manner so as to pass each transaction through two or more officers.	Complied		
3.4	The controls has been adhered to by the Accountants in terms of State Account Circular 171/2004 dated 11.05.2014 in using the Government Payroll Software Package.	Complied		



No.	Applicable Requirement	Compliance Status (Complied/Not Complied)	Brief explanation for Non Compliance	Corrective actions proposed to avoid non-compliance in future
4	<b>Preparation of Annual Plans</b>			
4.1	The annual action plan has been prepared.	Complied		
4.2	The annual procurement plan has been prepared.	Complied		
4.3	The annual Internal Audit plan has been prepared.	Complied		
4.4	The annual estimate has been prepared and submitted to the National Budget Department on due date.	Complied		
4.5	The annual cash flow has been submitted to the Treasury Operations Department on time	Complied		
4.6	The annual estimate has been prepared and submitted to the National Budget Department on due date.	Complied		
4.7	The annual cash flow has been submitted to the Treasury Operations Department on time	Complied		
5	<b>Audit queries</b>			
5.1	All the audit queries has been replied within the specified time by the Auditor General	Complied		
6	<b>Internal Audit</b>			
6.1	The internal audit plan has been prepared at the beginning of the year after consulting the Auditor General in terms of Financial Regulation 134(2)) DMA/1-2020	Complied		

No.	Applicable Requirement	Compliance Status (Complied/Not Complied)	Brief explanation for Non Compliance	Corrective actions proposed to avoid non-compliance in future
6.2	All the internal audit reports has been replied within one month.	Not Complied		Directors have taken necessary actions by giving instructions to relevant section heads.
6.3	Copies of all the internal audit reports has been submitted to the Management Audit Department in terms of Sub-section 40(4) of the National Audit Act No. 19 of 2018	Complied		
6.4	All the copies of internal audit reports have been submitted to the Auditor General in terms of Financial Regulation 134(3)	Complied		
7	<b>Audit and Management Committee</b>			
7.1	Minimum 04 meetings of the Audit and Management Committee has been held during the year as per the DMA Circular 1-2020	Not Complied	A request was made to appoint an internal auditor for this department.	Necessary action has been taken. In the year 2024, efforts are being made to correct it.
8	<b>Asset Management</b>			
8.1	The information about purchases of assets and disposals was submitted to the Comptroller General's Office in terms of Paragraph 07 of the Asset Management Circular No. 01/2017	Complied		
8.2	In terms of Paragraph 13 of the aforesaid circular, implementation of provisions in that circular.	Complied		

No.	Applicable Requirement	Compliance Status (Complied/Not Complied)	Brief explanation for Non Compliance	Corrective actions proposed to avoid non-compliance in future
8.3	The boards of survey was conducted and the relevant reports were submitted to the Auditor General on due date in terms of Public Finance Circular No. 05/2016	Complied		
8.4	The excesses and deficits that were disclosed through the board of survey and other relating recommendations, actions were carried out during the period specified in the circular	Complied		
8.5	The disposal of condemn articles had been carried out in terms of FR 772	Complied		
9	<b>Vehicle Management</b>			
9.1	The daily running charts and monthly summaries of the pool vehicles had been prepared and submitted to the Auditor General on due date	Complied		
9.2	The condemned vehicles had been disposed of within a period of less than 6 months after condemning	Complied		
9.3	The vehicle log books had been maintained and updated	Complied		
9.4	The action has been taken in terms of F.R. 103, 104, 109 and 110 with regard to every vehicle accident	Complied		
9.5	The fuel consumption of vehicles has been re-tested in terms of the provisions of Paragraph 3.1 of the Public Administration Circular No. 30/2016 of 29.12.2016	Complied		

No.	Applicable Requirement	Compliance Status (Complied/Not Complied)	Brief explanation for Non Compliance	Corrective actions proposed to avoid non-compliance in future
9.6	The absolute ownership of the leased vehicle log books has been transferred after the lease term	Not Complied	No purchases of vehicles have been made under the lease system.	
10	<b>Management of Bank Accounts</b>			
10.1	The bank reconciliation statements had been prepared, got certified and made ready for audit by the due date	Complied		
10.2	The dormant accounts that had existed in the year under review or since previous years settled	Complied		
10.3	In terms of Financial Regulations regarding balances that had been disclosed through bank reconciliation statements and for which adjustments had to be made, and had those balances been settled within one month	Complied		
11	<b>Utilization of Provisions</b>			
11.1	The provisions allocated had been spent without exceeding the limit.	Complied		
11.2	The liabilities not exceeding the provisions that remained at the end of the year as per the FR 94(1)	Complied		
12	<b>Advances to Public Officers Account</b>			
12.1	The limits had been complied with	Complied		
12.2	A time analysis had been carried out on the loans in arrears	Complied		

No.	Applicable Requirement	Compliance Status (Complied/Not Complied)	Brief explanation for Non Compliance	Corrective actions proposed to avoid non-compliance in future
12.3	The loan balances in arrears for over one year had been settled.	Not Complied	Failure to recover the loan balances of two officers who left the service.	The Attorney General has been informed. Taking further action to recover the debt balances of the relevant officers.
13	<b>General Deposit Account</b>			
13.1	The action had been taken as per F.R.571 in relation to disposal of lapsed deposits	Not Complied	No deposit account balance.	
13.2	The control register for general deposits had been updated and maintained.	Not Complied	No deposit account balance	
14	<b>Imprest Account</b>			
14.1	The balance in the cash book at the end of the year under review remitted to TOD	Complied		
14.2	The ad-hoc sub imprests issued as per F.R. 371 settled within one month from the completion of the task	Complied		
14.3	The ad-hoc sub imprests had not been issued exceeding the limit approved as per F.R. 371	Complied		
14.4	The balance of the imprest account had been reconciled with the Treasury books monthly	Complied		
15	<b>Revenue Account</b>			
15.1	The refunds from the revenue had been made in terms of the regulations	Not Complied	The expenditure head of the department is not a revenue expenditure head.	

No.	Applicable Requirement	Compliance Status (Complied/Not Complied)	Brief explanation for Non Compliance	Corrective actions proposed to avoid non-compliance in future
15.2	The revenue collection had been directly credited to the revenue account without credited to the deposit account	Not Complied	The expenditure head of the department is not a revenue expenditure head.	
15.3	Returns of arrears of revenue forward to the Auditor General in terms of FR 176	Not Complied	The expenditure head of the department is not a revenue expenditure head.	
16	<b>Human Resource Management</b>			
16.1	The staff had been paid within the approved cadre	Complied		
16.2	All members of the staff have been issued a duty list in writing	Complied		
16.3	All reports have been submitted to MSD in terms of their circular no.04/2017 dated 20.09.2017	Complied		
17	<b>Provision of information to the public</b>			
17.1	An information officer has been appointed and a proper register of information is maintained and updated in terms of Right To Information Act and Regulation	Complied		
17.2	Information about the institution to the public have been provided by Website or alternative measures and has it been facilitated to appreciate / allegation to public against the public authority by this website or alternative measures	Complied		

No.	Applicable Requirement	Compliance Status (Complied/Not Complied)	Brief explanation for Non Compliance	Corrective actions proposed to avoid non-compliance in future
17.3	Bi- Annual and Annual reports have been submitted as per section 08 and 10 of the RTI Act	Complied		
18	<b>Implementing citizens charter</b>			
18.1	A citizens charter/ Citizens client's charter has been formulated and implemented by the Institution in terms of the circular number 05/2008 and 05/2018(1) of Ministry of Public Administration and Management	Complied		
18.2	According to 2.3 of the said Circular, institutions have prepared a system to monitor and evaluate the formulation and implementation of the citizen/client charter.	Complied		
19	<b>Preparation of the Human Resource Plan</b>			
19.1	A human resource plan has been prepared in terms of the format in Annexure 02 of Public Administration Circular No.02/2018 dated 24.01.2018	Complied		
19.2	A minimum training opportunity of not less than 12 hours per year for each member of the staff has been ensured in the aforesaid Human Resource Plan	Complied		
19.3	Annual performance agreements have been signed for the entire staff based on the format in Annexure 01 of the aforesaid Circular.	Not Complied	A performance agreement is not implemented currently and methodologies have been prepared for assessment.	Actions are being taken regarding that.



No.	Applicable Requirement	Compliance Status (Complied/Not Complied)	Brief explanation for Non Compliance	Corrective actions proposed to avoid non-compliance in future
19.4	A senior officer was appointed and assigned the responsibility of preparing the human resource development plan, organizing capacity building programs and conducting skill development programs as per paragraph No.6.5 of the aforesaid Circular	Complied		
20	<b>Responses Audit Paras</b>			
20.1	The shortcomings pointed out in the audit paragraphs issued by the Auditor General for the previous years have been rectified	Compiled		

Table 27