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இலங்கை இறப்பர் ஆராய்ச்சி
நிறுவனம்

**RUBBER RESEARCH INSTITUTE
OF SRI LANKA**



2020

Annual Report ஆண்டறிக்கை வர்க்கை வர்வை

Rubber Research Institute of Sri Lanka

Dartonfield, Agalawatta

Vision

The Institute's vision is to emerge as the centre of excellence in providing high quality scientific technologies to the rubber industry.

Mission

The Institute's mission is to revitalize the rubber sector by developing economically and environmentally sustainable innovations and transferring the latest technologies to the stakeholders through training and advisory services.

Objectives

- *Increase productivity of rubber to international standards*
- *Increase national production of Natural Rubber (NR) to meet the increasing demand*
- *Optimal and sustainable utilization of land, labour and other resources*
- *Maximize domestic value addition to natural rubber*
- *Improve the organizational effectiveness by encouraging individual competency and self development of RRISL personnel*

Policies

- *Continuation of the research activities on all aspects of rubber production and processing*
- *Continue to promote environmentally friendly and sustainable rubber industry*
- *Transfer the developed technologies through training and advisory services*

About us

The origin of rubber research in Sri Lanka goes back to 1909, when a group of planters in the Kalutara district got the service of a chemist to study the coagulation of rubber. This was later expanded to form a Rubber Research Scheme in 1913 and then named as the Rubber Research Institute of Ceylon (now Sri Lanka) in 1951 giving the status that the Rubber Research Institute of Sri Lanka (RRISL) is the oldest Research Institute on rubber in the world. It has a proud record of service to the industry, in plant breeding, agro-management practices and the chemistry of raw rubber.

RRISL is the nodal agency in Sri Lanka charged with the statutory responsibility for research and development on all aspects of rubber cultivation and processing for the benefit of the rubber industry. The institute specializes in rubber research, both in the biology of the crop and the chemistry of the natural rubber and the technology of the product. Further, the institute is committed towards technology transfer activities and training of extension personnel and the other stakeholders. Accordingly, it has five biological research departments i.e. Plant Science, Genetics & Plant Breeding, Plant Pathology & Microbiology, Soils & Plant Nutrition and Biochemistry & Plant Physiology and four chemistry departments i.e. Raw Rubber Processing Development & Chemical Engineering, Raw Rubber & Chemical Analysis, Polymer Chemistry and Raw Rubber Technology & Development and the Advisory Services Department for technology transfer together with units for Adaptive Research, Biometry, Agricultural Economics, Audio Visual & Information Technology and Library.



RUBBER RESEARCH BOARD OF SRI LANKA
ANNUAL REPORT 2020

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Cover : Fungicide application to control the New Leaf Fall Disease

Director's Report

Rubber Research Institute of Sri Lanka

This review comprises an overview of the local and international scenario of the rubber industry and then the major directions of research and development (R&D) activities in the institute to address the current issues in the industry. Details of research in each division are given in separate sections. Key obstacles for R&D are also mentioned briefly. Further, improvements made in the administrative and financial functions of the institute are given.

Rubber industry of Sri Lanka

Rubber production and consumption

The rubber industry in the country was severely affected by the lockdown situation of COVID during the months of March to June. Average monthly production of rubber came down to 6,141 tonnes with 1.3% month on the decrease. This decline was 12% compared to the values (3400 tonnes) recorded for the corresponding period in 2019. The production of most of the rubber product industries got halted or interrupted during this period. However with special permission given to the rubber estates and product manufactures to work amidst the lockdown situation and some level of increase in demand for rubber products, the situation improved. With that, the natural rubber (NR) production of the country in the year 2020 was recorded as 78,204 tonnes showing by about 4.6% increase from the previous year value. Total NR consumption in the country has been maintained at 111,000 tonnes (just 1.7% decline against the previous year) despite the slowdown in world economy with negative growth rate.

Rubber extent

The total extent of rubber lands in the country at the end of 2020 has been recorded as 138.3 thousand hectares with about 75-80% under tapping. Accordingly, there has been a slight increase in rubber extent from the previous year.

NR exports

Sri Lanka has exported around 15,766 tonnes of natural raw rubber in the year 2020, particularly in form of crepe (44%) and Sheet (27%) rubber indicating a 21% increase from the values of 2019 based on total raw rubber export quantity. Moderate recovery of raw rubber prices at the international market and reduction in raw rubber local consumption would have attributed to this improvement.

Rubber manufacturing sector

Earnings through raw rubber exports were Rs.5.6 billion in the year 2020 against Rs.4.3 billion in the year 2019. Export earnings from finished products were recorded as Rs. 145 billion in 2020, showing a reduction of about 5.8% against the previous year. Export earnings from semi-processed rubber have been reported as

Rs.0.53 billion in the year 2020, while it was Rs.0.7 billion in the year 2019. Accordingly, total export earnings from the rubber industry remained at Rs.151 billion (US\$ 816 million) showing a 5.6% reduction from the previous year.

Global rubber industry review

Natural rubber supply

Total world NR production decreased to 12,782 thousand tonnes in 2020 from 13,841 thousand tonnes recorded for the year 2019 (7.6% decrease) according to ANRPC statistics. This was mainly due to the Covid-19 impacts in the major markets in the Asia Pacific region during the mid of the year.

NR average yield:

Yield per hectare has declined in ANRPC member countries including Sri Lanka except for Cambodia in 2020. The expansion in mature area reflects the large scale planting undertaken during the period from the year 2005 to 2012. The average yield of Sri Lanka has been estimated as 642 kg/ha/year in the year 2020 while it was 658 kg/ha/year in the year 2019.

Global NR demand:

Total NR demand was estimated as 12,827 thousand tonnes in 2020 showing a 6.3% decline from the previous year with a reduction of the supply-demand gap.

World NR price movement

Despite of the declining trend prevailed in most of the key markets starting from the year 2011 to 2018, prices experienced a slight increase for the period of 2019 to 2020. Global rubber prices was slightly higher throughout the year 2020 except for the first quarter. In Sri Lanka, annual average RSS3 price in 2020 was US\$ 1.86 per kg which was remained at the same value in the year 2019. The average price of RSS3 was recorded as US\$ 1.74 in Bangkok against the previous year average value of US\$ 1.66. Average Indian RSS4 has decreased to US\$1.82 from US\$ 1.89 per kg against the previous year. According to the predictions of ANRPC countries, global natural rubber prices are likely to improve due to the global economic recovery and higher demand from the major consumers in the world.

Research and development focus

Amidst COVID pandemic, a new leaf disease named as ‘Pestalotiopsis’ began spreading in the rubber lands in wet regions of the country; hence emphasis was given to develop the control measures and to apply them in the field with the assistance of Rubber Development Department, Thurusaviya and Regional Plantation Companies. Also, rubber growers were assisted with the control of White Root Disease. Unsatisfactory level of rubber price, high cost of production, lack of skilled workers for rubber cultivation, low productivity in rubber lands and associated decline in rubber production in the country were the other focuses of the research and development (R&D) activities. In view of increasing the land productivity with

regular tapping, application of low frequency harvesting systems which reduce the cost of production whilst increasing the harvesters' income and tree lifespan, was promoted along with other good agricultural practices. Ethephon formulations were developed locally for this purpose. Research on new planting techniques for better field establishment, slow release fertilizer for increase in fertilizer use efficiency, convenient weed management system and new high value intercrops for rubber to increase the overall income of rubber lands continued. Further, focus on clone development was multifaceted in the directions of high yielding, disease tolerance, timber production and drought resistance. In view of increasing the land extent under rubber, attention was given to expand the rubber cultivation in nontraditional areas. Also, the institute focused on developing a carbon trading project for voluntary carbon market with rubber cultivated in Ampara and Monaragala districts. In addition, developing new avenues for value addition and processing raw rubber in healthy and environmental friendly manner were in high priority. Research on developing new rubber compounds for product manufacturing industries, new approach for manufacturing low protein centrifuged latex, natural based additives in rubber product manufacture and use of safer chemicals in raw rubber manufacture continued. Technology transfer programmes were mainly conducted in more strategic manner.

Whilst continuing with activities in the Finite Element Analyses & Simulation Centre managed as a private public partnership, purchase of key instruments to establish a tyre testing facility at the institute was attended.

Obstacles for research

Despite adequate funds allocated to the institute, the issue of not having a sufficient number of qualified senior scientists continued. Unattractive remuneration packages in operation for such high caliber positions has resulted in leaving those to the greener pastures, particular to local universities. A proposal to build up a university by combining all plantation crop research institutes is in negotiation. This requires immediate attention of policy makers as the country expects faster rate of development in the rubber industry.

Administrative and financial functions

Although the progress of R&D activities was affected during the lockdown period, the general performance in physical and financial aspects was at satisfactory level by end of the year. Training programmes provided to employees were limited to 15 within the country. No events were recorded on foreign travel but there were several local and international programmes were attended in digital platform.

Appreciations

In effective conduct in R&D, the guidance and directions together with financial support and patronages given by the Rubber Research Board and the Ministry are appreciated. Other stakeholder support received in conducting R&D

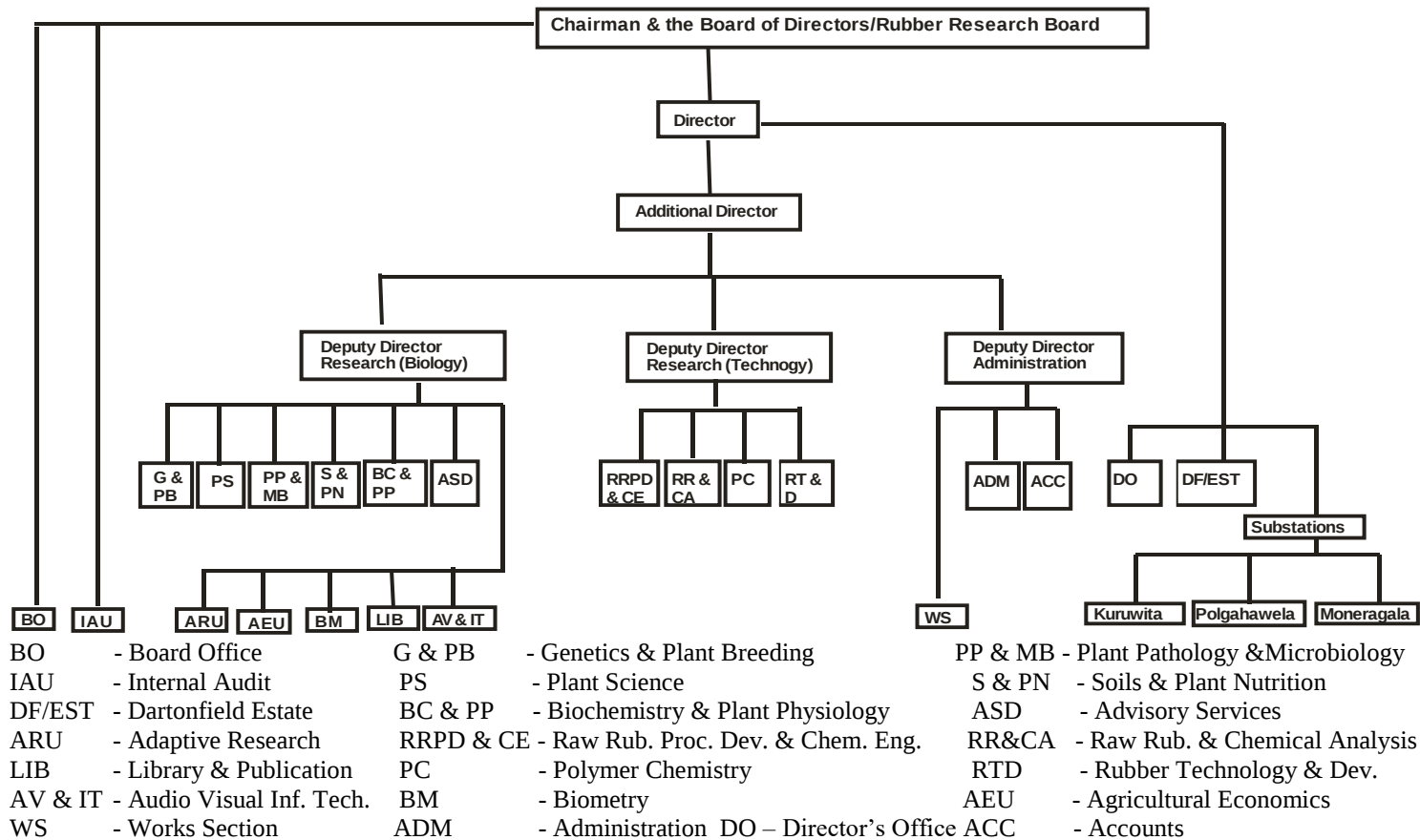
activities is well respected. The contributions made by Deputy Directors, all Heads of scientific and non-scientific divisions and other staff towards the Annual Report are acknowledged.

In particular, special appreciations are given to the Economic Unit for providing required data for this review and to the staff in the Library and Publication Unit for compiling the materials and finally building up the Annual Report 2020.

A handwritten signature in black ink, appearing to be 'V.H.L. Rodrigo', written on a light blue background.

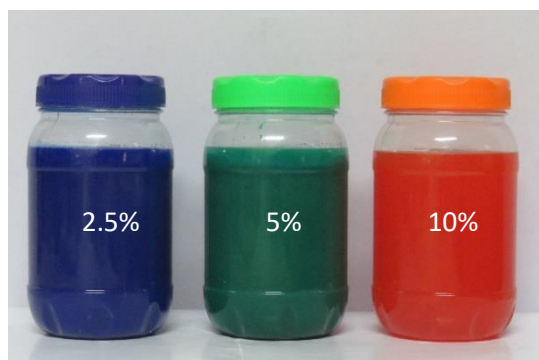
Dr. V.H.L. Rodrigo
Additional Director

ORGANIZATIONAL STRUCTURE



Major Achievements during 2020

- Two new commercial ethephon formulations *i.e.* water based and oil based were developed locally.



- Use of the Reusable Slow Release Fertilizer Porous Tube (RSPT) has resulted in significantly higher in plant girth (20%), soil exchangeable Mg, leaf nitrogen and magnesium over the conventional fertilizer application.
- Shoes were produced for the export market in collaboration with a medium scale manufacturer by partial replacement of virgin rubber in out-sole compounds with patented novel reclaimed rubber developed using an environmental friendly reclaiming agent with the aim of reducing the cost of shoes.
- NR based composites with synthesized micro and nano fibres of coir were developed with the aim of replacing carcinogenic carbon black and enhancement of properties.
- Initial development of NR latex based fashionable gloves to protect against the Covid-19 pandemic (Fig. 1).



Fig. 1. NR latex based fashionable gloves

- NR latex compound as a water-proof coating material for tents made out of fabric was developed on a request made by a client as a need during Covid-19 pandemic.
- NR based composites with Durian husk fibres as a partial replacement for carbon black, which has been identified as a carcinogenic ingredient were developed and shoe soles were produced in collaboration with the Textile Department, Open University of Sri Lanka (Fig. 2).



Fig. 2. NR based shoe soles produced with Durian husk fibres

Activities of Research Departments - 2020

Agronomy departments/Sections/Units

GENETICS AND PLANT BREEDING DEPARTMENT

- Hand pollination programme was carried out at Neuchatel Estate producing 57 new genotypes.
- Data collection in 2009 ECT at Eladuwa estate to develop precise yield indexes.
- Selection of 20 genotypes from 2013 HP progeny for small scale clonal evaluation.
- Characterization of five genotypes to develop “interim clone recommendation”.
- Characterization of genotypes in 2000 HP progeny in Delkith Estate under latex timber and timber latex categories.

PLANT SCIENCE DEPARTMENT

- Recording of growth and physiological data in rubber nursery experiments in Moneragala on effects of seed quantity, emergence time on the growth and budgrafting performances recording of growth and physiological data in super plant experiment at Kekirawa.
- Establishment of a new experimental trial at Kumarawatta Estate, Moneragala to assess the effect of holing using a digger machine on growth of rubber.
- Recording of latex and tea yield for Tea X Rubber intercropping trials.
- Establishment of new experimental trials on the “effects of different spacing for Rubber x Cardamom and Rubber x Cinnamon” at Labugama and Kuruwita respectively.
- Recording of growth and physiological data in Rubber x Fruit crops trials at Moneragala and Ampara.
- Inoculation of *Aquilaria* plants with a fungal culture of different concentrations and harvesting after about 10 months of inoculation.
- Latex yields, growth and bark measurements were recorded in new tapping experiments.
- Antioxidant application were continued for tapping panel dryness (TPD) experimental trials.
- Yield and weather data were recorded for the early morning tapping experiment for a few months.
- A prototype of a new tapping machine was tested.
- Total number of 52 young budding nurseries and Rubber Development Department budwood nurseries were inspected and about 466,400 plants were certified for the year.
- Advisory visits were made for troubleshooting in the sector and training programmes were conducted on nursery management, budgrafting and tapping.

PLANT PATHOLOGY AND MICROBIOLOGY DEPARTMENT

- Clonal screening programme showed that the incidence of the secondary leaf fall diseases, *Powdery mildew* and *Colletotrichum* leaf disease were in moderate levels. In several vulnerable sites, diseases have reached epidemic proportion. Incidence of *Phytophthora* disease was severe during the year.
- Based on the *Corynespora* screening programme, there were no new disease reports from the field plants. *Corynespora* Leaf Fall Disease severity from the non-traditional areas was comparatively higher.
- Ten training programmes were conducted to educate the growers on the effective management of white root disease. Eight demonstration plots were established using the recommendations to demonstrate the efficacy of the new technologies.
- Antagonistic fungi were identified from rubber growing soils to control the white root disease biologically. Talc was identified as a less bulky medium for the formulation of a biopesticide and the effectiveness has been proven under laboratory conditions.
- The antagonistic plants effective against *Rigidoporus* under *in vitro* conditions, were tested in the field.
- Studies on the biology of the pathogen population *Phellinus noxius* were completed and a dissertation was submitted for the fulfillment of a PhD programme.
- The new leaf fall disease reported during the end 2019, showed further spreading towards all the main rubber growing districts. By the end 2020, approx. 20,000 ha were reported to be under the disease. The preliminary experiments on the biology, epidemiology and chemical controlling were initiated. A chemical controlling programme was undertaken collaboratively with the RDD to limit further spread of the disease. A development project proposal was submitted to receive funds in order to do further investigations as this is a new disease condition.

SOILS AND PLANT NUTRITION DEPARTMENT

- Shade net mulch was found superior to polythene mulch in weed control for immature rubber with *Mucuna* cover crop.
- Reusable Porous Tube (RPT) provided higher girth of immature *Hevea* plants than the traditional way of applying fertilizer.
- Spatial variability of major soil nutrients under *Pestalotiopsis* disease pandemic in rubber showed no associations between the disease and nutrient stress.
- A land suitability model was developed to derive area specific preliminary land suitability status using soil, climate and topography data at GIS platform.
- Among the different fertilizer mixtures tested in non traditional rubber growing areas, R/SA based mixtures provided better plant growth compared to the urea based mixture.
- According to soil, plant and field parameters in different soil associations in Colombo district, showed significantly higher value of available soil phosphorus content compared to those values in early studies, indicating a possibility of cutting

- down the amounts of Eppawala Rock Phosphate (ERP) to be applied.
- Site specific fertilizer recommendation programme provided 19 fertilizer recommendation reports for 2645 ha of mature rubber.
- Six land suitability reports were issued for 490 ha under the land selection programme.
- Analytical service offered 54 analytical reports based on 171 fertilizer & soil samples.

BIOCHEMISTRY AND PHYSIOLOGY DEPARTMENT

- Technology transfer programmes on S/2 d4 low intensity harvesting system were conducted for 180 smallholdings and 16 RPC owned estates in districts; Kalutara, Kegalle, Ratnapura, Colombo, Gampaha, Kurunegala, Kandy and Galle. S/2 d4 LIH system was adopted in 200 ha of smallholdings and RPC owned estates in above districts.
- Research and Development programmes on weekly and d4 based double cut system low intensity harvesting (LIH) systems have been continued for a sustainable rubber industry in Sri Lanka.
- Evaluation of physiological, biochemical and growth performance of selected 10 *Hevea* genotypes established in Vauniya, Kandakadu, Hambegamuwa and Padiyathalawa experimental fields were done in order to identify the genotypes which are best suited for different agro- ecological zones.
- Biochemical and physiological assessment of rubber latex to identify the best genotypes that produce quality raw rubber during screening process was continued.
- Time course variation of yield data, biochemical components in latex and raw rubber properties with different types of ethephon was investigated in order to identify the best ethephon type for yield stimulation of rubber.
- Commercial scale testing of locally produced ethephon formulations to investigate their effectiveness.

ADVISORY SERVICES DEPARTMENT

- One hundred fifty four rubber lands (71- immature, 83- mature) were developed as model rubber holdings.
- Twenty one rubber processing centers were developed as models and construction of 31 new RSS processing centers and rehabilitation of 11 substandard centers were attended.
- Thirty eight smallholdings were fixed rain guards as demonstrations.
- Seven smallholdings were established with different intercrops as models.
- As a solution to tapper shortage, 29 new Harvesting Assistants were introduced through Tapping Training Schools (TTS) for the smallholder sector.
- Twenty two semi - skilled Harvesting Assistants in smallholder sector and 523 two semi - skilled harvesting assistants in estate sector were trained to improve the technical quality in tapping.

- Farmer training programmes were conducted to educate 103 smallholders and 150 estate staff (Field Officers and estate workers) on general cultivation and processing aspects of rubber.
- GIS based mapping was in progress in relation to all field training and advisory programmes.
- Establishment of demonstration plots and exhibition areas at Moneragala substation was completed.
- Group extension programme called “*Vihidum Sathkara*” was effectively conducted providing advisory and extension services for 71 small land units in traditional rubber growing areas for necessary improvements.
- One hundred ninety advisory visits were carried out to solve problems in technology adoption on requests made by smallholders.
- Involved as resource person in:
 1. Six programmes of quality improvement of RSS programs, 05 Harvesters training programs organized by *Thurusaviya* Fund.
 2. Three tapper Harvesters training programs organized by Rubber Development Department.
 3. One Rainguard awareness programme organized by Rubber Development Department.

BIOMETRY SECTION

- Biometry Section supported the other research departments on design of experiments, analysis and interpretation of the research findings
- In view of providing a better service on the above, development and modifications of statistical methods were mainly focused in the research programme of the Biometry section
- AGROMET station at Dartonfield and Meteorological stations at Kuruwita and Moneragala were maintained and data were recorded and disseminated for research purposes
- Rainfall data were collected and recorded from Nivithigalakele, Galewatta and Polgahawela Substations in addition to the stations mentioned above
- Research on climate change aspects on the rubber sector were carried out by the Biometry section

ADAPTIVE RESEARCH UNIT

- Feasibility of cultivating rubber in Anamaduwa Divisional Secretaries divisions of Puttalam district of Wayamba Province was assessed.
- GPS locations of new rubber smallholdings in Ampara and Moneragala districts were identified in collaboration with Smallholder Tea and Rubber Revitalization Project to estimate fixed carbon units.
- Awareness programmes were conducted to educate rubber growers in Ampara and Moneragala districts on carbon trading and its benefits.

- Initial data gathering for Carbon footprint calculation of rubber related government organizations was commenced.
- On-farm productivity and production variability among rubber smallholders in Kegalle and Kurunegala districts were assessed.

AGRICULTURAL ECONOMICS UNIT

- Rubber industry growth indicators including the rate of growth and revenue generation were calculated.
- Poverty indicators and determinants of smallholder rubber-based agroforestry farmers were investigated
- Technical Efficiency (TE) of smallholder rubber farmers in Kegalle District Sri Lanka was modelled.
- Classification of smallholder rubber agroforestry farming in the Moneragala District, Sri Lanka based on the farm typologies was initiated.

LIBRARY AND PUBLICATION UNIT

- The reference section of the Library was updated with twenty six text books increasing the total collection to 6,208 books.
- Construction of a store room for the library was completed and most bound volumes in the library were stored subsequently.
- Several institutional publications, namely 1000 type of Advisory Circulars (Sinhala), Annual Review 2019, Annual Report 2019 were prepared.

AUDIO VISUAL AND INFORMATION TECHNOLOGY UNIT

- Existing High Definition IP Surveillance Camera System (CCTV) at Dartonfield office premises was extended up to 47 Nos. of Cameras. Accordingly, another nine (09) Nos. of CCTV Cameras were installed & configured at desired locations.
- Virtual Local Area Network (VLAN) was installed & configured to improve the data speed at Dartonfield office premises.
- Necessary steps were taken to provide Network/Internet facility and intercom telephone facility for the renovated area of Biochemistry & Physiology Department.
- Necessary steps were taken to provide Network/Internet facility and intercom telephone facility for the renovated area of newly built Administration Unit at Ratmalana Office.
- Necessary steps were taken the telecommunication pole installed at Dartonfield office premises to improve the Mobitel 4G signal coverage.
- CCTV monitoring facility was provided to the Director's office at Dartonfield.
- Institutional official web site (www.rri.gov.lk) was updated throughout the year.
- Administration of Local Area Network (LAN), Virtual Local Area Network (VLAN), Hardware Firewall & Mail Server were done.

- Maintenance of Computers & peripherals, Audio visual equipment, Finger Scanners, PABX telephone systems, CCTV Camera System and Surge Protection System were done throughout the year.
- Initial steps were taken to get the Dialog 4G & 2G signal coverage improved using Dialog Telecommunication tower installed at Dartonfield office premises.
- Preliminary arrangements were made with Sri Lanka Telecom & initial steps were taken to get the internet connection (Data) at Dartonfield office improved via dedicated fiber optic leased line with consistent, uninterrupted & high speed internet.
- Preliminary arrangements were made with SLT Mobitel to get the internet facility improved at Nivithigala Kele substation via Mobitel 4G Wireless Router or fiber optic line.

Rubber Technology departments

RUBBER TECHNOLOGY AND DEVELOPMENT DEPARTMENT

- Tested 94 sole crepe samples, 118 rubber compounds and 504 rubber/ polythene products on request from the rubber industry.
- Eighteen SMEs / rubber small holders and three groups of university students were trained on manufacture of NR based products.
- The staff of the Rubber Technology and Development department conducted four workshops on manufacture of rubber products, organized by the Rubber Development Department.
- The staff was actively involved in the “Ridi Abises” exhibition held in Labuduwa, Galle.

POLYMER CHEMISTRY DEPARTMENT

- Development of nitrosamine safe binary accelerator systems for sulfur vulcanized natural rubber compounds was carried throughout the year.
- A novel method for development of *in-situ* filler incorporated natural rubber latex was developed as an attempt to prepare value added latex films.
- More than thousand samples of polymer materials and compounding ingredients received from industry and academia were characterized using advanced testing equipment namely FTIR (Furrier Transform Infrared Spectrophotometer), TGA (Thermo-Gravimetric Analyzer), DSC (Differential Scanning Calorimeter) and DMA (Dynamical Mechanical Analyzer) available at the department. Industrial solutions were also given based on the characterization results to the clients on their request.

RAW RUBBER AND CHEMICAL ANALYSIS DEPARTMENT

- The department is mainly empowered the raw rubber producers, rubber exporters and small and medium scale industrialists by providing an internationally accepted testing facilities.
- The department offered the testing, analytical and certification services on raw natural rubber and rubber chemicals to all sectors of the rubber industry. These services were also extended to rubber traders, researchers from fellow departments of the institute and various local institutions such as Universities, other research institutes as well as individuals including postgraduate students, consultants and inventors *etc.*
- A total number of thousand four hundred forty four samples of natural rubber latex, dry rubber and rubber processing chemicals were tested for their quality during the year. This included 257 dry rubber samples, 1161 latex samples and 26 rubber processing chemicals.
- In total, 512 test certificates were issued on requests received from the respective parties for their quality assessment and marketing purposes.
- Thirteen new clones were tested for their latex and raw rubber properties. A collaborative research project was conducted with University of Ruhuna on Purification and commercialization of pyrolytic carbon char generated from waste tire pyrolysis plants in Sri Lanka.
- The department staff provided two training programmes on raw rubber and natural rubber latex testing for university undergraduates. Three factory visited were made for trouble shooting activities during the year.

RAW RUBBER PROCESS DEVELOPMENT & CHEMICAL ENGINEERING

- A novel hybrid technique was investigated for manufacture of low protein natural rubber centrifuged latex as a value added grade of natural rubber latex.
- A novel manufacturing process was developed using an enzyme to manufacture deproteinized crepe rubber as a value added grade of natural rubber in dry form. The raw rubber properties, physico-mechanical properties and dynamic properties of the low protein crepe rubber were tested.
- A study was commenced to introduce a cost effective treatment plant for the smallholder rubber sector by improving available aerobic and anaerobic coupled system.
- A research was conducted to evaluate the potential of multi wall carbon nano tubes as a reinforcement filler in developing lightweight natural rubber based closed-cell structures with improved strength.
- A study was carried out on use of creamed latex instead of centrifuged latex and it was found that creamed natural rubber latex also could be used for selected products.
- A study was carried out to develop a novel curing method for thin latex films to reduce the cost, energy, and time consumption required for latex product manufacturing process. A dispersion of curing ingredients including sulfur,

accelerators and activator with suitable conditions was used to compound with centrifuged latex instead of conventional compounding method.

- RubSys- a IT based application software was developed to disseminate information and knowledge among the natural rubber growers and producers.

Estates own by RRI and Sub stations

DARTONFIELD GROUP

- A total crop of 165,971 kg has been harvested during the year achieving 84% of the estimated crop. When comparing with the previous year, crop records an increase of 10%. The crop harvested on wet days due to the rain guards was 41,024 kg which amounts to 25% of total harvested crop.
- Average Yield per Hectare (YPH) for the year was 912 kg showing an increase of 67 kg from the previous year.
- The average intake per tapper recorded during the year was 8.0 kg from a tapping task of 220 trees. The highest intake per tapper of 12.7 kg was recorded from the 5.17 ha mixed clone planted field in year 2010 on S/2 d4 low frequency systems with ethephon stimulation (tapping task of 225 trees).
- The total number of normal, late, rain guard & no tapping days recorded during the year were 219, 11, 85 & 50 days, respectively.
- Total rainfall recorded for the year was 3376.8 mm with 177 wet days showing 1012.9 mm less rainfall and 27 wet days than the values recorded in the previous year.
- The Cost of Production (COP) and Net Sale Average (NSA) recorded for the year was Rs.300.90 and Rs.333.73 respectively, giving a profit of Rs.32.83 per kg and a total profit of Rs.5.4 million. Profit per hectare recorded for the year was Rs. 29,943.55.
- The average percentage of Pale Crepe grade No. 01 production was 82% during the year.

KURUWITA SUB – STATION

- A total crop of 79,457 kg was harvested during the year recording an increase of 7,149 kg on previous year's crop.
- The actual yield per hectare (YPH) was 1,001 kg. The average intake tapper (IPT) of the estate was 7.4 kg, as a similar value as recorded in the previous year.
- The total number of Normal, Rainguarded, and No tapping days recorded during the year were 241, 96 and 29, respectively.
- The annual rain fall recorded during the year was 3,428.3 mm with 215 wet days as against 3,976.8 with 226 wet days during the previous year.
- The cost of production (COP) and the net sale Average (NSA) for the year were Rs.292.36 and Rs.311.69 per kg respectively. The profit made for the year was Rs.1.5 million and the profit per hectare recorded for the year was Rs. 19,353.63.

POLGAHAWELA SUB – STATION

- A total crop of 17080 kg, has been harvested providing 82% of the estimated crop. However, there was an 8.9% increase from the value recorded for the previous year.
- The YPH for the year was 962 kg. This was an increase of 79 kg (8.9%) over the last year value.
- The average intake per tapper during the year was 8.8 kg. The highest intake per tapper of 11.2 kg was recorded from the 2008 field with a tapping task of 269 trees of clone RRIC 121 tapped on S/2 d3 systems.
- The total number of Normal, Late, and No Tapping Days during the year were 301, 0 & 65, respectively.
- Total rainfall recorded for the year was 2385.5 mm with 118 wet days.
- Out of the total manufactured RSS, the share of No.01 grade was 86%.

MONERAGALA SUB – STATION

- In experimental sites, some field crops such as long beans, green gram, okra, green chili, cassava, and cowpea were cultivated. A new rubber field of 2.00 ha of was opened for tapping. The total tapping extent was 5 ha and an income of Rs 1,022,830/= was received by selling 3687 kg of latex.
- General advice on rubber cultivation were provided to 189 farmers of the area. Development work associated with the establishment of Techno park in the Sub station premises continued. Maintenance of 5000 grilicidia plants established around the boundary of the Sub station in 2015 was attended.

Board of Management, Committees & Staff Members

RUBBER RESEARCH BOARD OF SRI LANKA

BOARD OF MANAGEMENT

Members appointed by the Hon Minister of Plantation Industries

1. Prof (Mrs) Sudheera M W Ranwala, Chairperson, Rubber Research Board
2. Mr K V D C Wimalasiri, Director (Development), Ministry of Plantations
3. Ms Darshani De Silva, Director, National Planning Department, Ministry of Finance
4. Dr L M K Tillakeratne, Representative of Colombo Rubber Traders Association
5. Mr Anusha Perera, Plantation Consultant, Balangoda Plantations PLC
6. Mr Justin Senevirathne, Director, Lalan Rubbers (Pvt) Ltd
7. Mr Udara Premathilake, Director Plantations (Rubber), Kelani Valley Plantations PLC
8. Dr Kanchana Silva, Director, Thurusaviya Fund
9. Prof Gamini Senanayake, Chairman, Sri Lanka Council for Agricultural Research Policy

Ex-Officio Members

1. Mr J M Mangalatissa, Director General, Rubber Development Department
2. Mr S S Poholiyadda, Chairman, Planters' Association of Ceylon (up to 21.08.2020)
3. Mr Bhathiya Bulumulla, Chairman, Planters' Association of Ceylon (w.e.f. 16.10.2020)

In attendance

1. Dr V H L Rodrigo, Additional Director, Rubber Research Institute
2. Mr Susantha Dissanayake, Senior Administrative Officer, RRI

STANDING COMMITTEES

Estates Committee

1. Prof (Mrs) Sudheera Ranwala, Chairperson, RRB. (Chairman of the Committee) (from 2020.01.30)
2. Dr V H L Rodrigo, Additional Director, Rubber Research Institute
3. Dr (Mrs) P Seneviratne, Deputy Director – Research (Biology), Rubber Research Institute
4. Dr Susantha Siriwardena, Deputy Director – Research (Technology), Rubber Research Institute
5. Mr Nissanka Seneviratne, Director, Kotalagala Plantations Ltd. (nominated member)

6. Mr Jagath Hettiarachchi, Senior Manager, Paiyagala Estate, (nominated member)
7. Mr Chaminda Jayalath, Manager, Pussealla Estate (nominated member) (from
8. 14.09.2020)
9. Mr P A Lukshman, Senior Manager, Rubber Research Institute.
10. Mr B S S Hewage, Senior Accountant, Rubber Research Institute.
11. Manager – Estate, Rubber Research Institute (for Kuruwita Sub-station)

Audit and Management Committee

1. Ms Darshani De Silva, Director, National Planning Department, Ministry of Finance (Chairman of the Committee)
2. Mr K V D C Wimalasiri, Director (Development), Ministry of Plantations
3. Mr J M Mangalatissa, Director General, Rubber Development Department
4. Ms Nilani Jayasiri, Audit Superintendent, Auditor General's Department

In attendance

1. Dr V H L Rodrigo, Additional Director, Rubber Research Institute
2. Mr B S S Hewage, Senior Accountant, Rubber Research Institute
3. Ms M S I Senadheera, Internal Auditor, Rubber Research Board
4. Mr Susantha Dissanayake, Senior Administrative Officer

Scientific Committee

Members of RRISL

1. Prof Sudheera Ranwala, Chairperson, Rubber Research Board
2. Dr V H L Rodrigo, Additional Director, RRI
3. Dr (Mrs) G P W P P Seneviratne, Deputy Director Research (Biology), RRI
4. Dr S Siriwardena, Deputy Director Research (Technology), RRI
5. Dr D M A P Dissanayake, Head, Advisory Services Dept., RRI
6. Dr (Mrs) D G Edirisinghe, Head, Rubber Technology & Development Dept., RRI
7. Dr (Mrs) S P Withanage, Head, Genetics & Plant Breeding Dept., RRI
8. Dr (Mrs) B W Wijesuriya, Principal Research Officer, Biometry Section, RRI
9. Dr N M C Nayanakantha, Head, Plant Science Dept., RRI
10. Dr (Mrs) T H P S Fernando, Head, Plant Pathology & Microbiology Dept., RRI
11. Dr (Mrs) E S Munasinghe, Principal Research Officer, Adaptive Research Unit, RRI
12. Dr (Mrs) K V V S Kudaligama, Principal Research Officer, Biochemistry & Physiology Dept., RRI
13. Dr (Mrs) R P Hettiarachchi, Principal Research Officer, Soils & Plant Nutrition Dept., RRI
14. Dr (Mrs) A P Attanayake, Senior Research Officer, Raw Rubber & Chemical Analysis Dept., RRI
15. Dr K K Liyanage, Senior Research Officer, Genetics & Plant Breeding Dept., RRI
16. Mr T U K Silva, Senior Research Officer, Plant Science Dept., RRI
17. Mrs B M D C Balasooriya, Research Officer, Adaptive Research Unit, RRI

18. Mrs D S A Nakandala, Research Officer, Plant Science Dept., RRI
19. Mrs M K R Silva, Research Officer, Plant Pathology & Microbiology Dept., RRI
20. Mrs P V A Anushka, Research Officer, Genetics & Plant Breeding Dept., RRI
21. Mr W D M Sampath, Research Officer, Rubber Technology & Dept., RRI
22. Mr P K K S Gunaratne, Advisory Officer, Advisory Services Dept., RRI
23. Mr J K S Sankalpa, Research Officer, Agricultural Economics Unit, RRI
24. Mr K Adikari, Research Officer, Raw Rubber & Chemical Analysis Dept., RRI
25. Mrs I H K Samarasinghe, Research Officer, Polymer Chemistry Dept., RRI
26. Mrs T T D Dahanayake, Research Officer, Genetics & Plant Breeding Dept., RRI
27. Mrs H A Ruwani Jayawardane, Research Officer, Soils & Plant Nutrition Dept., RRI
28. Mrs N P Surani Karunaratne, Research Officer, Biochemistry & Physiology Dept., RRI
29. Miss P G N Ishani, Research Officer, Agricultural Economics Unit, RRI
30. Mr Yashoda Somaratne, Research Officer, Polymer Chemistry Dept., RRI
31. Mr Y C Yohan Sudusinghe, Research Officer, Raw Rubber Process Development & Chemical Engineering Dept., RRI
32. Mr P A Lukshaman, Senior Manager (Estate), RRI

Members representing the Industry and other Institutions

1. Mr K V D C Wimalasiri, Director (Development), Ministry of Plantation Industries,
2. Mrs W K Chathurangi, Assistant Director (Development), Ministry of Plantation Industries
3. Mr Deumith Rohana, Director (Development), Rubber Development Department, No.465, Ganahena, Bathtaramulla
4. Dr K de Silva, Director, Thurusaviya Fund, No 74, Kaduwela Road, Battaramulla
5. Dr P Dharmasena, Director, National Institute of Plantation Management, M D H Jayawardane Mawatha, Athurugiriya
6. Mr Manoj Udugampola CEO, Agalawatte Plantations PLC, FLC Tower, No 19, Dudley Senanayake Mw, Colombo 8
7. Mr A C Bertus, General Manager, Agalawatte Plantations PLC, FLC Tower, No 19, Dudley Senanayake Mw, Colombo 8
8. Mr S Dissanayake, DGM, Agalawatte Plantations PLC, Pambegama Estate, Parakaduwa
9. Mr L H S Chaminda, Superintendent, Agalawatte Plantations PLC, Peenkanda Estate, Nivithigala
10. Mr K M A S Wijeratne, Superintendent, Agalawatte Plantations PLC, Tiriwanaketiya Estate, Mahagama
11. Mr K Fernando, Superintendent, Agalawatte Plantations PLC, Culloden Estate, Neboda
12. Mr D Wekunagoda, Superintendent, Agalawatte Plantations PLC, Doloswala Estate, Nivithigala

13. Mr R A D I Ramanayake, Superintendent, Agalawatte Plantations PLC, Watapotha Estate, Nivithigala
14. Mr D P A Perera, DGM, P.B. 06, Balangoda Plantations PLC, Palmgarden, Ratnapura
15. Mr D K Wijerathne, Superintendent, Balangoda Plantations PLC, Rambukkande Estate, Rathnapura
16. Mr B L L Premathilake, Superintendent, Balangoda Plantations PLC, Mahawala Estate, Rathnapura
17. Mr R A Alahakoon, Superintendent, Balangoda Plantations PLC, Gatura Estate, Kiriella
18. Mr B Bulumulla, CEO, Elpitiya Plantations PLC, Level 09, Aitken Spence Tower 1, Vauxhall Street, Colombo 2
19. Mr A G Geeth Kumara, General Manager, Elpitiya Plantations PLC, Elpitiya Estate, Talgaswala
20. Mr Eranda, Asst. Manager, Elpitiya Plantations PLC, Talgaswala Estate, Talgaswala
21. Mr Chanaka Wimalasena, Asst. Manager, Elpitiya Plantations PLC, Bentota Estate, Elpitiya
22. Mr R B S Douglas, Senior Manager, Elpitiya Plantations PLC, Elpitiya Estate, Elpitiya
23. Mr N M S B Nawaratne, Manager, Elpitiya Plantations PLC, Gulugahakande Estate, Wanduramba
24. Mr U A Karunanayake, Manager, Elpitiya Plantations PLC, Devithurai Estate, Ethkandura
25. Mr Dasun Werasinghe, Senior Asst, Manager, Elpitiya Plantations PLC, Deviturai Estate, Ethkandura
26. MR L M Amarathunga, Superintendent, Pussellawa Plantations PLC, Salawa Estate,
27. Mr S A Eriyagama, CEO, Kegalle Plantations PLC, 310 High Level Rd, Navinna, Maharagama
28. Mr S A A P Jayathilake, Superintendent, Kegalle Plantations PLC, Pallegama Estate, Niyadurupola
29. Mr S D Munasinghe, Superintendent, Kegalle Plantations PLC, Eadella Estate, Polgahawela
30. Mr B M J A Moonamalle, Superintendent, Kegalle Plantations PLC, Atale Estate, Atale
31. Mr H Madiwake, Superintendent, Hapugastenna Plantations PLC, Bibile Estate, Bibile
32. Mr Sanjeewa, Deputy Manager, Horana Plantations PLC, Hilstream Estate, Bulathsinhala
33. Mr M Kariyapperuma, Director, Horana Plantations PLC, No 400, Deans Road, Colombo 10

34. Mr Gamini N Ratnayake, DGM, Horana Plantations PLC, Neuchatel Estate, Neboda
35. Mr N Wijenayake, Manager, Horana Plantations PLC, Halwatura Estate, Ingiriya
36. Mr Sajith Gunbawardane, Manager, Horana Plantations PLC, Frocester Estate, Govinna
37. Mr N B Seneviratne, Director Low Country, Kotagala Plantations PLC, Regional Office, Colombo 01
38. Mr J N Hettiarachchi, Senior Manager, Kotagala Plantations PLC, Paiyagala Estate, Dodangoda
39. Mr L A D J Perera, Senior Manager, Kotagala Plantations PLC, Delkith Estate, Baduraliya
40. Mr R Tennakoon, Senior Manager, Kotagala Plantations PLC, Padukka Estate, Padukka
41. Mr Priyanthe Ratnayake, Manager, Kotagala Plantations PLC, Gikiyanakande Estate, Neboda
42. Mr G L T Swarajith, Manager, Kotagala Plantations PLC, Eduragala Estate, Ingiriya
43. Mr A M A I Abesinghe, Manager, Arapolakande Estate, Thebuwana
44. Mr U Amarasekara, Deputy Manager, Kotagala Plantations, Vogan Estate, Matugama
45. Mr N Wijeratne, Manager, Kotagala Plantations PLC, Hedigalle Estate, Baduraliya
46. Mr C Amaratunga, RGM, Kahawatte Plantations PLC, Regional Office, Pelmadulla Estate, Kahawatte
47. Mr S Hewagama, DM, Kahawatte Plantations PLC, Hunuwala Estate, Opanayake
48. Mr Wajira Hewage, Manager, Kahawatte Plantations PLC, Opatha Estate, Kahawatte
49. Mr L Perera, Manager, Kahawatte Plantations PLC, Pelmadulla Estate, Kahawatte
50. Mr Mahesh Bandara, Asst. Manager, Kahawatte Plantations PLC, Poranuwa Estate, Kahawatte
51. Mr M R Jayawansa, Asst. Manager, Kahawatte, Plantations PLC, Houpe Estate, Kahawatte
52. Mr U Premathilake, Kelani Valley Plantations PLC, Director, No 400, Deans Rd, Colombo 10
53. Mr B Gunasekara, GM, Kelani Valley Plantations PLC, Panawatte Estate, Yatiyantota
54. Mr D Samarasinghe, Senior Manager, Kelani Valley Plantations PLC, Edarapola Estate, Bulathkohupitiya
55. Mr R L Obeysekare, Kelani valley Plantation PLC, Kelani Estate, Yatiyantota
56. Mr P K A H Thilakaratne, Senior Manager, Kelani Valley Plantation PLC, We-oya Estate, Yatiyantota
57. Mr W P S B Abeywardana, Senior Manager, Kelani Valley Plantation PLC, Dewalakanda Estate, Dehiowita

58. Mr M Wijedasa, Asst. Manager, Kelani Valley Plantation PLC,
59. Mr P De S A Gunasekara, GM, Namunukula Plantations PLC, No 310, High Level Rd, Nawinna, Maharagama
60. Mr J B Weerasekara, Superintendent, Namunukula Plantations PLC, Pallegoda Estate, Darga Town
61. Mr R Ranasinghe, Superintendent, Namunukula Plantations PLC, Eladuwa Estate, Matugama
62. Mr Kushan Karunathilake, Superintendent, Namunukula Plantations PLC, Citrus Estate, Poddala
63. Mr G S U De Silva, Superintendent, Namunukula Plantations PLC, Miriswatte Estate, Welipenna
64. Mr P P A Peris, General Manager, 54, Kirulapana Avenue, Colombo 06
65. Mr D Amarathunga, GM, Lalan Rubbers (Pvt) Ltd, Malwana, Biyagama
66. Mr N Senavirathne, GGM, Lalan Rubbers (Pvt) Ltd, Sapumalkande Group, Deraniyagala
67. Mr R Alahakoon, GGM, Lalan Rubbers (Pvt) Ltd, Udabage Group, Deraniyagala
68. Mr I Wakkumbura, Manager, Lalan Rubbers (Pvt) Ltd, Mahaoya Group, Dehiowita
69. Mr B Madagama, Superintendent, Maturata Plantations Ltd, Andapana Estate, Kamburupitiya
70. Mr L M A C Bandara, Superintendent, Maturata Plantations Ltd, Wilpita Estate, Akuressa
71. Mr M H P Gunarathna, Superintendent, Maturata Plantations Ltd, Diddenipota Estate, Matara
72. Mr C Jayalath, Asst. General Manager, Pussellawa Plantations PLC, Pussella Estate, Parakaduwa
73. Mr L M Amarathunga, Superintendent, Pussellawa Plantations PLC, Salawa Estate, Hanwella
74. Mr D Daswatte, DGM, Watawala Plantations PLC, Talangaha Estate, Nakiyadeniya
75. Mr Kingsly, Deputy Manager, Watawala Plantations PLC, Nakiyadeniya Estate, Nakiyadeniya
76. Mr Asanga Ekanayake, Senior Asst. Manager, Watawala Plantations PLC, Homadola Estate, Udugama
77. Mr C Fernando, Executive Director, Malwatte Valley Plantations PLC, No 280, Dam Street, Colombo 12
78. Mr R M V Ratnayake, Group Manager, Malwatte Valley Plantations PLC, Moraliya Estate, Ruwanwella
79. Mr Gaya Nakandala, Consultant, Hokandara North
80. Mr S Seneviratne, Seneviratne Group, D.J. Wijesiriwardana Mawatha, Mt. Lavinia
81. Mr N M Amaraekara, Consultant, 37/9, Terrence Av, Mt. Lavinia

82. Mr Jayantha P Muthutantri, Consultant, No.4/4, Nelum Mw, Sirimal Uyana, Mt. Lavinia

Provident Fund Committee

01. Prof (Mrs) Sudheera Ranwala, Chairperson, Rubber Research Board
02. Dr V H L Rodrigo, Additional Director, RRI, Member
03. Mr D M S Dissanayake, Senior Administrative Officer, Secretary
04. Mr B S S Hewage, Senior Accountant, RRI, Treasurer
05. Mr T B Dissanayake, Experimental Officer, Elected Committee Member
06. Mr P K K S Gunarathna, Advisory Officer, Elected Committee Member
07. Mr J A S Chandrasiri, Experimental Officer, Elected Committee Member

Chairman's Office & Board Secretariat

Chairperson	- Prof (Mrs) Sudheera M W Ranwala
Acting Secretary	-Mrs Padma Balasooriya, Personal Assistant to the Chairman (upto 13.03.2020)
	- Mrs J A H Sandhya, Stenographer (Cover up duties of the secretary) (w.e.f. 13.03.2020)
Management Assistants	- Mrs H N Kanchana (upto 19.06.2020)
	- S M D S R D A Wijerathne (w.e.f. 23.06.2020)

Lawyers

Attorney General
Attorney General's Department
(Government Institutions)
P O Box 502
Colombo 12

Bankers

Bank of Ceylon
Corporate Branch
75, Janadhipathi Mawatha
Colombo 1

Auditors

Auditor General
Auditor General's Department
No.306/72, Polduwa Road,
Battaramulla

Bank of Ceylon
No.306/72,
Agalawatta

Contact details:

Head Office and Laboratories

Dartonfield, Agalawatta

Telephones:

Director	034 - 2248457
Additional Director	034 - 2248458

Deputy Director Research (Biology) 034 - 3346118
General 034 - 2247426
034 - 2247383
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Fax: 034 - 2247427
e-mail: dirrri@sltnet.lk
Website: www.rrisl.lk

Board Office and Rubber Chemistry & Technology Laboratories

Telewela Road, Ratmalana

Telephones:
Chairman 011 - 2635019
Fax 011 - 2633353
Board Office 011 - 2635142
Fax 011 - 2605171
Director 011 - 2633351
Fax 011 - 2633351
Deputy Director Research (Technology) 011 - 2633352
General 011 - 2635851
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Sub stations

Nivitigalakele - Substation, Matugama

Genetics and Plant Breeding Department
Telephone: 034 - 2247368, 034 - 2247199
e-mail: rrigpb@sltnet.lk

Kuruwita - Substation, Ratnapura

Telephone: 045 - 2262115, 045 - 3460537

Polgahawela - Substation, Polgahawela

Telephone: 037 - 3378191

Monaragala - Substation, Monaragala

Telephone: 055 - 3600707

Website: www.rrisl.lk

RUBBER RESEARCH INSTITUTE OF SRI LANKA

STAFF

DIRECTORATE

<i>Additional Director</i>	V H L Rodrigo, BSc Agric (SL), MSc (Essex) PhD (Wales)
<i>Deputy Director Research (Bio.)</i>	Mrs G P W P P Seneviratne, BSc (SL), PhD (Bath)
<i>Deputy Director Research (Tech.)</i>	S Siriwardene, BSc (SL), MSc (Australia) PhD (Malaysia)

RESEARCH DEPARTMENTS

Agronomy Departments

Genetics and Plant Breeding	<i>(at Nivithigalakele Substation, Matugama)</i>
<i>Head of Department</i>	Mrs S P Withanage, BSc Agric (SL), MSc (India), PhD (Malaysia)
<i>Senior Research Officer</i>	K K Liyanage, BSc Agric (SL), MPhil (SL), PhD (China)
<i>Research Officers</i>	Miss P V A Anushka, BSc Agric (SL) (up to 20 th Aug.) Mrs T T D Dahanayake, BSc Agric (SL)
Plant Science	<i>(at Dartonfield, Agalawatta)</i>
<i>Head of Department</i>	N M C Nayanakantha, BSc (SL), MSc (India), PhD (India)
<i>Senior Research Officer</i>	T U K Silva, BSc Agric (SL), MPhil (SL)
<i>Research Officers</i>	Mrs D S A Nakandala, BSc Agric (SL), PhD (SL) W D M N de Alwis, BSc (SL)
Plant Pathology and Microbiology	<i>(at Dartonfield, Agalawatta)</i>
<i>Head of Department</i>	Mrs T H P S Fernando, BSc (SL), MPhil (SL), PhD (SL)
<i>Research Officer</i>	Mrs M K R Silva, BSc Agric (SL), MSc (SL)
Soils and Plant Nutrition	<i>(at Dartonfield, Agalawatta)</i>
<i>Principal Research Officer</i>	Mrs R P Hettiarachchi, BSc (SL), MPhil (SL), PhD (SL)
<i>Research Officers</i>	Mrs H A R K Jayawardana, BSc Agric. (SL) L A T S Liyanaarachchi, BSc Agric. (SL)

Biochemistry and Physiology*Principal Research Officer**Research Officer**(at Dartonfield, Agalawatta)*Mrs K V V S Kudaligama, BSc (SL),
MPhil (SL), PhD (SL)

Miss N P S N Karunaratne, BSc (SL)

Advisory Services*Head of Department**Advisory Officer**(at Telewela Road, Ratmalana)*D M A P Dissanayake, BSc Agric. (SL)
PhD (Aberdeen) (up to 8th Dec)

P K K S Gunaratne, BSc Agric. (SL)

Technology Departments**Rubber Technology and Development** *(at Telewela Road, Ratmalana)**Head of Department**Research Officers*Mrs D G Edirisinghe, BSc (SL), MSc (SL)
MPhil (UK), PhD (SL)

W D M Sampath, BSc (SL)

Mrs U A Weerasinghe, BSc (SL)

Polymer Chemistry Department *(at Telewela Road, Ratmalana)**Research Officers*

*Mrs I H K Samarasinghe, BSc (SL)

Y R Somaratne, BSc (SL), MSc (SL)

Raw Rubber and Chemical Analysis *(at Telewela Road, Ratmalana)**Senior Research Officer**Research Officer*

Mrs A P Attanayake, BSc (SL), PhD (SL)

**A M K S P Adikari, BSc (SL), MPhil (SL)

**Raw Rubber Process Development
and Chemical Engineering***Research Officer**(at Telewela Road, Ratmalana)*Y C Y Sudusinghe, BSc (SL) (up to 1st Oct.)**Sections/Units****Biometry Section***Principal Research Officer**Research Officer**(at Dartonfield, Agalawatta)*Mrs B W Wijesuriya, BSc Agric (SL),
MPhil (SL), PhD (SL)

A M R W S D Ratnayake, BSc (SL)

Adaptive Research Unit*Principal Research Officer**Research Officer**(at Dartonfield, Agalawatta)*

Mrs E S Munasinghe, BSc Agric (SL), PhD (SL)

Mrs B M D C Balasooriya, BSc Agric (SL)

Agricultural Economics Unit
Research Officers

(at Dartonfield, Agalawatta)
J K S Sankalpa, BSc (SL), MSc (SL)
Miss P G N Ishani, BSc Agric. (SL)

**Audio Visual and Information
Technology Unit**
Network Administrator

(at Dartonfield, Agalawatta)
S R D C P Peiris, BSc (SL)

Management Divisions

Administration Department (Agalawatta) *(at Dartonfield, Agalawatta)*

Senior Administrative Officer D M S Dissanayake, BSc (Mgt.) (SL),
MHRM (SL)

Internal Audit Unit
Internal Auditor

(at Dartonfield, Agalawatta)
Mrs M S I Senadeera, IFA, IPFA, IRCA, LICA,
FPFA, PGDM

Works Section
Resident Engineer

(at Dartonfield, Agalawatta)
K A D K Chathuranga, BSc (Eng.)

Accounts Section
Senior Accountant
Accountant

(at Dartonfield, Agalawatta)
S S Hewage, CPFA (UK), CBA, FPFA
Mrs A M Lasanthi, BSc (SL), MBA (SL), CBA,
APFA

Dartonfield Group
Senior Manager - Estate

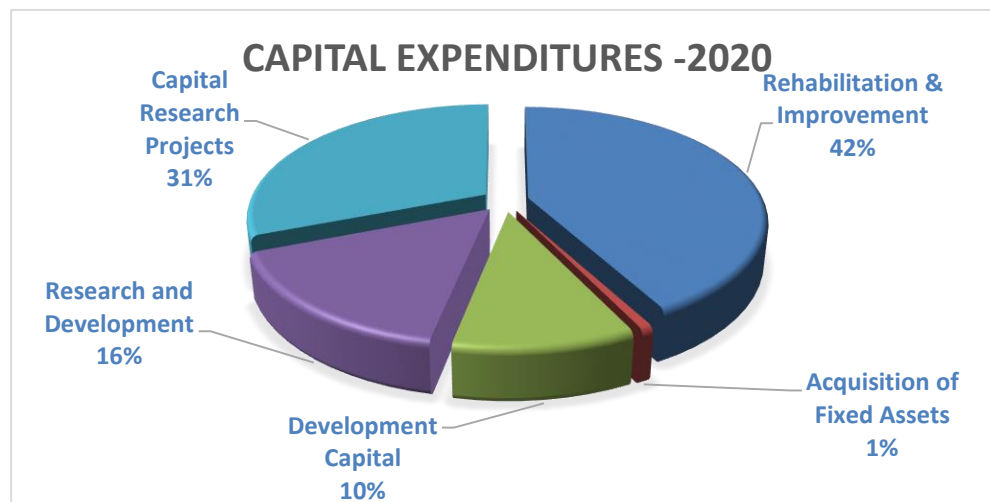
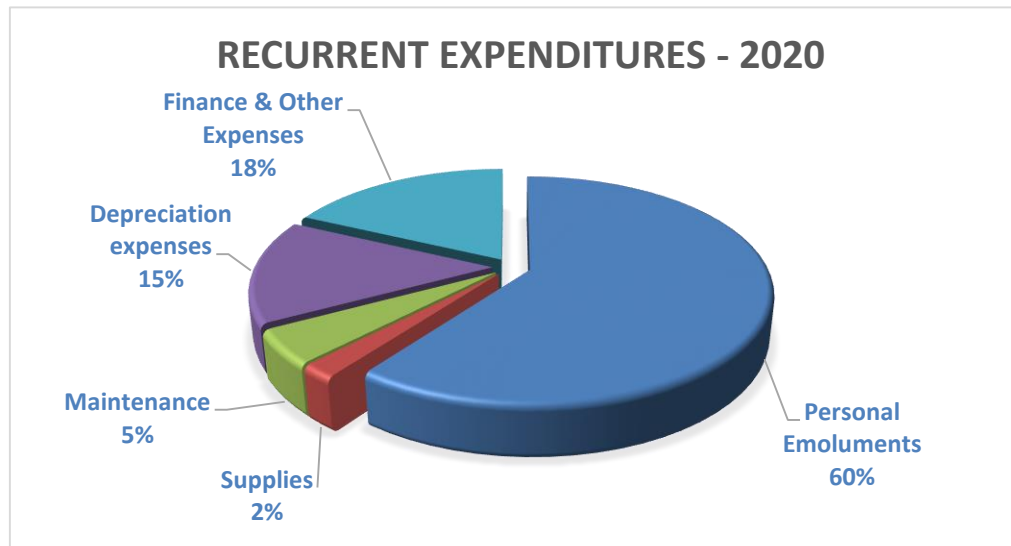
P A Lukshaman, BSc (SL)

*Full pay study leave within the Island

**Full pay study leave abroad

Financial Statements

Analysis of Recurrent and Capital Expenditures for the Financial Year 2020



RUBBER RESEARCH INSTITUTE OF SRI LANKA
FINANCIAL STATEMENTS - 2020
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**RUBBER RESEARCH BOARD OF SRI LANKA - STATEMENT OF FINANCIAL POSITION
AS AT DECEMBER 31, 2020**

ASSETS	Note	2020		2019	
		Rs		Rs	
Non-Current Assets					
Land and Buildings	01	232,964,274.96	684,634,797.13	227,370,444.28	658,988,975.29
Infrastructure, Plant and Equipment		433,871,654.73		409,545,692.75	
Intangible Assets		17,798,867.44		22,072,838.27	
Current Assets					
Other Financial Assets	02	1,571,273.02	186,048,139.59	8,684,975.90	167,780,815.88
Other Current Assets	03	25,245,395.96		24,153,839.18	
Inventories	04	18,240,546.55		17,419,593.24	
Working Progress	04-A	41,244,995.97		34,765,643.01	
Receivables	05	7,057,864.08		25,113,697.91	
Investments in Associates	06	559,073.03		558,906.80	
Cash and cash Equivalents	07	92,128,990.98		57,084,159.84	
Total Assets			870,682,936.72		826,769,791.17
LIABILITIES					
Current Liabilities					
Payables	08	(58,516,955.64)	(61,106,509.60)	(94,573,442.05)	(97,756,040.10)
Short -Term Provisions	09	(2,589,553.96)		(3,182,598.05)	
Non-Current liabilities					
Employee Benefits	10	(151,253,846.00)	(151,253,846.00)	(143,314,133.50)	(143,314,133.50)
Total Liabilities			(212,360,355.60)		(241,070,173.60)
Total Net Assets			658,322,581.12		585,699,617.57
NET ASSETS/EQUITY					
Accumulated Fund	11	1,056,728,472.15		1,006,144,036.22	
Accumulated Surpluses/(Deficits)	12	(573,128,569.59)		(584,681,074.55)	
Revaluation Surpluses/(Deficits)		174,722,678.56		164,236,655.90	
TOTAL NET ASSETS/EQUITY			658,322,581.12		585,699,617.57

The Financial Statements have been prepared in accordance with Sri Lanka Public Sector Accounting Standards (SLPSAS).



B S S Hewage
Senior Accountant -RRI



Dr V H L Rodrigo
Additional Director - RRI

The accounting policies and notes on pages from 31 to 82 form an integral part of these Financial Statements. The Board of Directors is responsible for the preparation and presentation of these Financial Statements. These Financial Statements were approved by the Board of Directors and signed on their behalf.



Prof.(Mrs.) Sudheera Ranwala
Chairperson - RRB



Board Member
Rubber Research Board

STATEMENT OF FINANCIAL PERFORMANCE FOR THE YEAR ENDED DECEMBER 31, 2020

Description	Note	RRI		Df. Estate		K'wita Estate		Kumarawatta Estate		Narampola Estate		Total	
		2020	2019	2020	2019	2020	2019	2020	2019	2020	2019	2020	2019
		Rs		Rs		Rs		Rs		Rs		Rs	
Transfers from other government entities		414,000,000.00	403,700,000.00									414,000,000.00	403,700,000.00
Other revenue	13	10,896,925.52	15,187,176.92							30,375.00		10,927,300.52	15,187,176.92
Deferred Income		138,024,777.17	76,537,795.29	3,906,414.96	3,459,993.02	1,106,234.35	1,061,368.25					143,037,426.49	81,059,156.57
Gross Profit Df. Estate & K'wita Estate	22,23	-	-	48,357,449.55	39,438,719.61	25,796,357.62	20,699,322.98					74,153,807.17	60,138,042.59
Other Income Estate (Projects)	22,23,24,25	-	-	11,469,531.36	141,129.63	3,973,924.91	6,273,161.00	959,178.38	-	4,291,722.75	229,180.08	20,694,357.40	6,643,470.71
Special Capital Projects - MPI			62,019,951.82									-	62,019,951.82
Special Capital Projects - CF			29,811,774.63									-	29,811,774.63
NSF and other Projects	26		8,354,167.09									-	8,354,167.09
Total Revenue		562,921,702.69	595,610,865.75	63,733,395.87	43,039,842.26	30,876,516.88	28,033,852.23	959,178.38	-	4,322,097.75	229,180.08	662,812,891.58	666,913,740.33
Less: Expenses													
Expenses													
Wages, Salaries and employee benefits	14,15,14A,14B,14C	315,631,115.09	309,631,180.27	45,632,624.01	40,013,571.99	20,270,187.07	19,407,581.49	6,772,664.02	5,973,214.54	4,515,760.69	-	392,822,350.88	375,025,548.29
Grants and other transfer payments												-	-
Supplies and consumables used	16,14A,14B,14C	8,038,784.48	16,750,511.84	2,323,317.25	2,822,819.87	1,194,743.58	1,429,708.73	602,651.57	220,198.11	969,368.72	169,689.50	13,128,865.60	21,392,928.05
Depreciation and amortization expenses	17,14A,14B,14C	90,455,408.81	76,537,795.29	5,013,935.54	3,459,993.02	1,404,797.73	1,061,368.25					96,874,142.09	81,059,156.57
Maintenance of property, plant and	18,21,14A,14B	25,507,223.82	39,382,384.30	3,742,789.07	5,116,650.19	2,602,547.95	3,153,883.53					31,852,560.84	47,652,918.02
Other expenses	19,20,24,25	111,260,413.59	90,916,459.60	3,146,243.07	1,772,330.55	1,830,475.33	317,116.51	119,969.00	866,025.51	85,922.41	93,169.39	116,443,023.40	93,965,101.56
Finance Costs	19,14A,14B	41,295.00	68,104.65	583,645.90	477,268.04	208,026.24	176,339.58					832,967.14	721,712.27
Other Expenditure Estate (Projects)	23,24			-	-		690,470.86	-	10,687.50			-	701,158.36
Special Capital Projects - MPI	20		62,019,951.82									-	62,019,951.82
Special Capital Projects - CF			29,811,774.63									-	29,811,774.63
NSF and other Projects	26		8,354,167.09									-	8,354,167.09
Total Expenses		550,934,240.79	633,472,329.49	60,442,554.84	53,662,633.66	27,510,777.90	26,236,468.95	7,495,284.59	7,070,125.66	5,571,051.82	262,858.89	651,953,909.95	720,704,416.66
Surplus/(Deficit) for the Period		11,987,461.90	(37,861,463.74)	3,290,841.03	(10,622,791.40)	3,365,738.98	1,797,383.28	(6,536,106.21)	(7,070,125.66)	(1,248,954.07)	(33,678.81)	10,858,981.63	(53,790,676.31)

**CONSOLIDATED CASH FLOW STATEMENT
FOR THE YEAR ENDED 31 DECEMBER 2020**

	2020		2019
	Rs		Rs
<u>Operating Activities</u>			
Surplus/Deficit		10,869,215	(53,790,676)
Non Cash Movements			
Add : Depreciations	96,874,142		76,537,795
Adjustment of Assets Surpluses / (Deficits)	3,254,146		
Provision for Gratuity	22,819,784		36,511,447
Provision for bad debtors	1,291,241		(332,308)
Prior Year adjustment	790,402		(27,037,214)
Less : Interest on Investment	(227,263)		(430,189)
Deferred Income	(143,037,426)		(81,059,157)
Net Cash Flow before working Capital Changes		(18,234,976)	4,190,374
<u>Working Capital Changes</u>			
Increase /(Decrease) Payables	(36,649,531)		38,253,074
(Increase)/ Decrease other current Assets	16,777,674		(23,691,845)
Gratuity paid	(14,880,071)		(24,188,548)
Sales proceed on Disposal of Assets	234,960		
Net Cash Flow form Operating Activity		(34,516,968)	(9,627,319)
<u>Investing Activities</u>			
Purchase of Property ,Plant and Equipment	(83,188,232)		(164,290,833)
Interest Income on Investment	227,263		430,189
Net Cash Flow from Investing Activity		(82,960,969)	(163,860,643)
<u>Finance Activities</u>			
Fund Received from Treasury for Capital Grant	111,700,000		80,500,000
Net Cash flow of NSF	717,424		5,396,201
Fund Received for Special Project	47,471,271		74,472,604
Net Cash Flow from Financing Activity		159,888,695	160,368,805
Net Cash Flow for the Year	-	35,044,998	(62,719,459)
Cash and Cash Equivalents at Beginning of the Year		57,643,067	120,362,526
Cash and Cash Equivalents at End of the Year		92,688,065	57,643,067

STATEMENT OF CHANGES IN NET ASSETS/EQUITY ENDED DECEMBER 31, 2020							
ATTRIBUTABLE TO OWNERS OF THE CONTROLLING ENTITY							
	Contributed Capital	Other Reserves	Translation Reserves	Accumulated Surpluses/(Deficits)	Total	Minority Interest	Total net Assets/equity Rs
Balance at December 31, 2017	879,654,719.38	-	-	(482,399,386.43)	397,255,332.95	-	397,255,332.95
Changes in accounting policy							
Restated balance							
Change in net asset/equity for 2017							
Gain on property revaluation							
Loss on revaluation of investments							
Exchange differences on translating							
Funds Received					-		-
Prior Year Adjustment				(26,084,947.48)	(26,084,947.48)		(26,084,947.48)
Net revenue recognized directly in net asset/equity	81,729,567.69			(508,484,333.91)	(426,754,766.22)		(426,754,766.22)
Surplus for the period				(21,250,394.05)	(21,250,394.05)		(21,250,394.05)
Total recognized revenue and expenses for the period							
Balance at December 31, 2018	961,384,287.07	-	-	(529,734,727.96)	431,649,559.11	-	431,649,559.11
Carried forward							
Balance at December 31, 2018 brought forward	961,384,287.07	-	-	(529,734,727.96)	431,649,559.11	-	431,649,559.11
change in net assets/equity for 2019	44,759,740.15	-	-		44,759,740.15	-	44,759,740.15
Loss on property Revaluation				164,236,655.90	164,236,655.90		164,236,655.90
Gain on revaluation of investments				(1,155,670.28)	(1,155,670.28)		(1,155,670.28)
Prior Year Adjustment							
Exchange differences on translating foreign operations	1,006,144,027.22			(366,653,742.34)	639,490,284.88		639,490,284.88
Net revenue organized directly in net assets / equity							
Deficit for the period				(53,790,676.31)	(53,790,676.31)		(53,790,676.31)
Total recognized revenue and expenses for the period							
Balance at December 31, 2019	1,006,144,027.22			(420,444,418.65)	585,699,608.57		585,699,608.57
Balance at December 31, 2020 brought forward	1,056,728,472.15			(584,681,074.55)	472,047,397.60		472,047,397.60
change in net assets/equity for 2020					-		-
Loss / Profit on property Revaluation			174,722,678.56		174,722,678.56		174,722,678.56
Gain on revaluation of investments					-		-
Surpluses / Deficit for the period				10,858,981.63	10,858,981.63		10,858,981.63
Prior Year Adjustment				790,401.85	790,401.85		790,401.85
Disposal of Assets Surpluses / (Deficits)				(96,878.52)	(96,878.52)		(96,878.52)
Balance at December 31, 2020	1,056,728,472.15	-	174,722,678.56	(573,128,569.59)	658,322,581.12	-	658,322,581.12

RUBBER RESEARCH BOARD OF SRI LANKA

Notes to the Financial Statements

1. Corporate Information

1.1 Reporting Entity

The Rubber Research Board (RRB) was established as a Public Corporation under the Rubber Research Ordinance. This Ordinance has been amended from time to time; the most recent introduction has been the “Rubber Research Bill Part II of April 2003 with the amendment No. 28”. The RRB coming under the purview of Ministry of Plantation Industries and the registered office of the RRB is located at Thelawala Road, Rathmalana.

1.2 Principal Activities and Nature of Operations

The Mission of RRB is to revitalize the rubber sector by developing economically and environmentally sustainable innovations and transferring the latest technologies to the stakeholders through training and advisory services.

1.3 Number of Employees

The number of employees of the RRB as at 31st December 2020 amounted to. 367. The comparative figure for the year 2019 was 386.

1.4 Financial Year

The Financial year of the RRB is the 12 months period ended by 31st December 2020.

1.5 Date of Authorization for Issue

The Financial Statements for the year ended 31/12/2020 of RRB were authorized for issue by the Board of Management on 25th February 2021.

2. Significant Accounting Policies

2.1 Basis of preparation of Financial Statements

The Financial Statement of the RRB is prepared in Sri Lankan Rupees on a historical cost basis and presented in Sri Lankan Rupees.

2.2 Statement of Compliance

The Financial Statement of the RRB has been prepared in accordance with the Sri Lanka Public Sector Accounting Standards (SLPSAS).

2.3. Assets and Basis of Valuation

- 2.3.1 Property Plant and Equipment are recorded at cost less depreciation in the financial statement.
The cost of Property Plant and Equipment are the market value or cost of purchase with any incidental expenses
- 2.3.2 Revaluation values of Motor Vehicles, Machinery & Tools, Laboratory Equipment, Audio Visual Equipment, Furniture & Fixtures, Office Equipment and Others Assets are recorded in the financial statements excluding Roads, Lands and Buildings.
- 2.3.3 Roads, Lands and Buildings are recorded at cost less depreciation in the financial statement due to non-receipt of revaluation values from Valuation Department.
- 2.3.4 Non biological assets of estates are shown separately in the financial statements.

2.4 Depreciation Policy

- 2.4.1 The depreciation for Fixed Assets are determined separately for each significant part of an item of Property, Plant and Equipment and begin to depreciate when it is available for use. Depreciation is not provided for lands.
- 2.4.2 The depreciation charges are determined separately for each significant part of an item of Property, Plant and Equipment and begin to depreciate when it is available for use.
- 2.4.3 The provision for depreciation is calculated at straight line method on the cost of all Property Plant and Equipment. The effective rates are as follows.

Description	Percentage
Buildings	2.50%
Intangible Assets	20.00%
Furniture, Fittings & Office Equipment	20.00%
Power & Water Supply	10.00%
Machinery & Tools	12.50%
Lab Apparatus	20.00%
Motor Vehicles	20.00%
Library Books	20.00%
Documentary Film	12.50%

Description	Percentage
Earth Slip Project	4.00%
Other assets	10.00%
Effluent Treatment Plant	4.00%
Audio Visual Equipment	20.00%
Road Development	10.00%
Solar Pannel - DF Estate	20.00%
CCTV Camera	20.00%
Surge Protection Device	20.00%
Rubber in bearing Df & k'wita	5.00%
Tea Replanting K'wita	5.00%
Replanting Cinnamon K'wita & Df	5.00%
Upgrading Telecomunication	2.50%

2.5 Inventories

Inventories consist of spare parts, maintenance items, cleaning materials and stationery stock etc. are stated at the cost / net realization value.

2.6 Receivables

Receivables are stated at the amounts identified as active Debtors, receivables etc.

2.7 Provision for Bad and Doubtful Debts

Provisions for bad and doubtful debts is calculated and provided in the accounts as follows.

Period of outstanding	Provision Made
Less than one year	Nil
2015 to 2019	5.0%
Up to 2015	100.0%

2.8 Cash and cash equivalent

Cash and cash equivalent consists of Investment, cash at banks and cash in hand.

2.9 Conversion of foreign exchange:

Foreign currency has been converted at prevailing rates.

2.10 Retirement Gratuity

Provision has been made in the Financial Statements for retirement gratuities equivalent to an amount calculated based on a half month's salary of the last month Financial Year of all employees for each completed year of service, commencing from the first year of service. However under the payment of Gratuity Act No 12 of 1983, the liability to an employee arises only on completion 5 years of continued service.

2.11 Government Grant

2.11.1 Recurrent Grant

The Recurrent Grant received from the government is reflected in the Income Statement as the source of income of the RRB.

2.11.2 Capital Grant

The Capital Grant received from the government has been set up as Deferred Income which is recognized as income on a systematic and rational basis over the useful life time of the assets.

2.11.3 Replanting subsidies have been set off against replanting expenditure and net amount has been represented in the balance sheet under fixed assets.

2.11.4 Other Grants

National Science Foundation (NSF) and Special Project Grants for the year 2020 have been shown under the Note No 26A and 26B. The amount equal to the expenditure for the year 2020 has been treated as NSF and Special Project Grants in the statement of Financial Performance.

2.12 Deferred Income

Deferred Income consists of the Capital Grant received from the General Treasury in the year 2020 for capital expenditure. The Deferred Income is recognized as income on a systematic and rational basis over the useful life time of the assets in case of capital grant and amortizes the deferred income set up for capital purchases.

2.13 Revenue Recognition

Institute generates Revenue from the following sources, and recognizes such revenues for accounting purposes on the accruals basis.

- (a) Testing and Analytical Fees

- (b) Seminars and Work Shops
- (c) Sale of Publications
- (d) Sale of Tapping Knives
- (e) Sundry Receipts

2.14 Expenditure

All expenditures are recognized on the accrual basis.

2.15 Adjustments made to the Cumulative Expenditure

Adjustment of Rs. 790,401.85 has been made to the cumulative expenditure account.

3. Legal Matters

Legal issues pertaining to matters of employees were pending at Courts as at 31st December 2020 are as follows.

	Case No.	Court / Institution	Applicant
01.	KT/18/517/216	Labour Court, Kalutara	Mr. L.P.K.W. Waliwatta

4. Consolidation Policies:

- 4.1 The Rubber Research Board accounts comprise the consolidation of the activities of the R.R.I. Estates (plantations) managed by the Rubber Research Institute. i.e. Dartonfield Group & Kuruwita Estate.
- 4.2 The Rubber Research Institute and estates have a common financial year which ends on 31 December.
- 4.3 The profits and losses of the plantations have been taken in to the Rubber Research Institute surplus/deficit account and reflected in the balance sheet.
- 4.4 The project accounts have not been consolidated with the Rubber Research Institute accounts, since they are separate entities. However, the detail information of the projects have been shown separately and it has been reflected in the financial statements.

5. Non-Current Assets:

5.1 Lands

The Rubber Research Institute of Sri Lanka has ownership of all the lands except Galewatta, Kumarawatta (Monaragala) and Narampola (Alawwa)

5.2 Substation at Narampola (Alawwa) Kumarawatta (Monaragala)

5.2.1 Narampola (Alawwa)

The extent of this land is 106 Acres 02 Roods & 31 perches. This land was taken over on 14.12.2004 under MOU on a Rental agreement.

5.2.2 Kumarawatta (Monaragala)

The extent of the land is 50 acres and this was taken over from the JEDB on 19 September 2006 under MOU on 30 years Lease agreement.

The cabinet approval has been obtained to acquire these Lands and the ownership will be transferred by the Ministry of Plantation Industries (MPI) to RRB after completion of legal requirements with land Reform commission (LRC) and Janatha Estate Development Board (JEDB).

5.2.3 Profit and Loss - Narampola (Alawwa), Kumarawatta (Monaragala) Substations

- (i) Narampola Substation is established for the purpose of research and extension activities and it is still in developing stage.
- (ii) Kumarawatta (Monaragala) Substation has been established for Research and extension activities related to non-traditional Rubber growing areas including Northern and Eastern Provisions. RRI can't expect a profit from the substation as it is a small Land for research activities and cultivation.

6. Current Assets

6.1 Debtors & Other Receipts

The Surety Bond Debtors balance as at 31.12.2020 is Rs. **3,509,706.50** which has made up as follows.

Mr. H.H. Talgaswatta	-	38,402.56
Mr. S.M.C.E. Silva	-	1,635,005.85
Mr. Nalinda P Wickramasinghe	-	10,643.54
Mr. B.P. Weeraratna	-	<u>1,825,654.55</u>
Total		<u>3,509,706.50</u>

7. **Research & Development Expenditure:**
Research and development expenditure have been charged to departmental expenditure for the relevant period.
8. **New planting /replanting /crop diversification expenditure**
The above categories of expenditure have been capitalized in the accounts and depreciation will be made on maturity.
9. **Categorizing Expenditure against Budget Format.**
Laboratory Working expenses and Field Working expenses have been shown under Research and Development Expenditure in the Statement of Financial Performance. In the Budget Format, Laboratory working expenses and Field working expenses have been shown under Supplies and services respectively.

Other Operating Expenses are the value of services rendered from the estates (Dartonfield and Kuruwita) to the Rubber Research Institute except Rent for Narampola and Kumarawatta. These expenses are charged to the Rubber Research Institute from the Monthly accounts of Dartonfield and Kuruwita Estates. Labour Charges related to Institute activities have been charged to the relevant department expenditure votes.

RUBBER RESEARCH BOARD OF SRI LANKA
NOTES TO THE STATEMENT OF FINANCIAL POSITION AS AT 31ST DECEMBER 2020
NOTE 01 - LAND & BUILDINGS

ASSETS	Cost as at 01.01.2020 Rs.	Additional / correction during the year 2020 Rs.	Vehicles Sales Rubber Came into Tapping Rs.	Total as at 31/12/2020 Rs.	Accumulative Depreciation as at 01.01.2020 Rs.	Depreciation for the year 2020 Rs.	Depreciation for the Disposal	Accumulated Depreciation as at 31/12/2020 Rs.	Written down value as at 31/12/2020 Rs.
Road Development Df.	18,446,176.81			18,446,176.81	2,123,107.91	1,844,617.68		3,967,725.59	14,478,451.22
Land - Df.	1,010,704.74			1,010,704.74	-			-	1,010,704.74
- N'kele	357,805.89			357,805.89	-			-	357,805.89
- Galewatta	1,865,476.48			1,865,476.48	-			-	1,865,476.48
- Kuruwita	732,681.96			732,681.96	-			-	732,681.96
- Rathmalana	270,760.81			270,760.81	-			-	270,760.81
- Df. Estate	-			-	-			-	-
Capital Ex. Land productivity improvement in existing rubber cultiva	-			-	-			-	-
Note 26	-			-	-			-	-
Lease Land - Alawwa (55 years lease)	662,365.75			662,365.75	-			-	662,365.75
- Monaragala (99 years)	106,650.00			106,650.00	-			-	106,650.00
Buildings - Df. H.Q	104,458,789.11	4,510,018.67		108,968,807.78	12,022,974.92	2,648,438.92		14,671,413.84	94,297,393.94
- Auditorium	33,848,323.04			33,848,323.04	5,774,882.02	846,208.08		6,621,090.10	27,227,232.94
- Df. Estate	13,154,310.30	1,544,249.50		14,698,559.80	1,199,313.63	328,857.76		1,528,171.39	13,170,388.41
- N'kele	4,988,669.51	821,795.07		5,810,464.58	998,698.04	138,473.36		1,137,171.40	4,673,293.18
- Galewatta	846,682.19			846,682.19	193,471.77	21,167.05		214,638.83	632,043.36
- Kuruwita	7,355,170.94			7,355,170.94	1,320,123.74	183,879.27		1,504,003.01	5,851,167.93
- Rathmalana	50,316,770.38	6,341,901.28		56,658,671.66	6,251,096.63	1,227,394.10		7,478,490.72	49,180,180.94
- Alawwa	1,302,848.78			1,302,848.78	333,509.84	32,571.22		366,081.06	936,767.72
- Monaragala	14,999,115.52			14,999,115.52	3,766,048.78	374,977.89		4,141,026.67	10,858,088.85
Upgrading telecommunication	6,947,475.25	196,138.37		7,143,613.62	317,105.90	173,686.88		490,792.79	6,652,820.83
Intangible Assets									
Software	28,427,332.93	1,573,869.48		30,001,202.41	6,354,494.67	5,847,840.30		12,202,334.97	17,798,867.44
Solar Pannel - DF Estate	12,695,629.92			12,695,629.92	710,445.53	2,539,125.98		3,249,571.51	9,446,058.41
CCTV Camera	5,297,282.79	1,307,500.01		6,604,782.80	382,936.61	1,083,185.60		1,466,122.21	5,138,660.59
Surge Protection Device	4,799,742.00	572,400.00		5,372,142.00	927,433.29	1,034,720.51		1,962,153.80	3,409,988.20
Infrastructure, Plant and equipment									
Machinery & Tools - Df.	20,031,510.02	365,200.04	160,512.00	20,236,198.06	492,632.10	2,510,744.12	20,064.01	2,983,312.22	17,252,885.84
- N'kele	298,260.00	80,626.50	1,630.00	377,256.50	37,282.50	42,337.95	203.75	79,416.70	297,839.80
- Df. Estate	1,825,645.00	3,117,660.97	28,960.00	4,914,345.97	63,943.76	224,585.63	3,620.00	284,909.38	4,629,436.59
- Kuruwita	1,429,471.43	3,150.00	16,800.00	1,415,821.43	174,235.67	176,715.54	2,100.00	348,851.21	1,066,970.22
- Rathmalana	4,452,724.80		27,700.00	4,425,024.80	471,439.60	553,128.10	3,462.50	1,021,105.20	3,403,919.60
- Alawwa	207,500.00	112,500.00	11,450.00	308,550.00	25,937.50	38,568.75	1,431.25	63,075.00	245,475.00
Laboratory Equipments - Df.	72,287,285.98	11,561,377.32	1,410,655.00	82,438,008.30	12,788,590.35	16,259,176.88	282,131.00	28,765,636.23	53,672,372.07
- Rathmalana	57,587,116.04	44,040,586.00	772,925.00	100,854,777.04	11,464,750.07	13,691,498.86	154,585.00	25,001,663.93	75,853,113.11
- N'kele	8,571,454.00		170,310.00	8,401,144.00	1,708,342.67	1,680,228.80	34,062.00	3,354,509.47	5,046,634.53
Audio Visual Equipment	7,080,474.50	1,225,080.08	22,700.00	8,282,854.58	1,368,905.34	1,623,069.41	4,540.00	2,987,434.75	5,295,419.83
Effluent Treatment Plant	9,422,910.68			9,422,910.68	1,995,966.91	376,916.43		2,372,883.34	7,050,027.34
Motor vehicles - H.Q	58,592,969.00			58,592,969.00	11,718,593.80	11,718,593.80		23,437,187.60	35,155,781.40
- Df. Estate	2,210,205.00			2,210,205.00	441,100.76	442,041.00		883,141.76	1,327,063.24
- Kuruwita	900,000.00	111,500.00		1,011,500.00	180,000.00	199,795.07		379,795.07	631,704.93
- N'kele	4,750,000.00			4,750,000.00	950,000.00	950,000.00		1,900,000.00	2,850,000.00
- Rathmalana	30,965,000.00			30,965,000.00	6,193,000.00	6,193,000.00		12,386,000.00	18,579,000.00
Power & Water Supply - Df.	4,334,255.92	146,514.00		4,480,769.92	1,341,430.62	447,555.16		1,788,985.78	2,691,784.14

NOTE 01 - LAND & BUILDINGS

ASSETS	Cost as at 01.01.2020 Rs.	Additional / correction during the year 2020 Rs.	Vehicles Sales Rubber Came into Tapping Rs.	Total as at 31/12/2020 Rs.	Accumulative Depreciation as at 01.01.2020 Rs.	Depreciation for the year 2020 Rs.	Depreciation for the Disposal	Accumulated Depreciation as at 31/12/2020 Rs.	Written down value as at 31/12/2020 Rs.
- N'kele	132,038.73			132,038.73	41,225.24	13,203.87		54,429.11	77,609.62
- Kuruv	228,831.39			228,831.39	150,417.17	22,883.14		173,300.31	55,531.08
- Rathr	461,908.00			461,908.00	290,405.17	46,190.80		336,595.97	125,312.03
- Monar	1,695,132.00			1,695,132.00	1,273,589.22	169,513.20		1,443,102.42	252,029.58
- Alaw	90,685.00			90,685.00	68,133.60	9,068.50		77,202.10	13,482.90
- Df. Esta	340,229.76			340,229.76	1,771.06	34,022.98		35,794.04	304,435.72
Furniture & Fixtures & Office Equipment	52,308,222.15	5,021,846.04	1,138,020.00	56,192,048.19	9,516,817.48	10,589,347.43	227,604.00	19,878,560.91	36,313,487.28
- N'kele	6,165,391.46	105,167.51	82,435.00	6,188,123.97	1,221,284.19	1,234,319.21	16,487.00	2,439,116.40	3,749,007.57
- Kuruwita	2,581,145.00	148,120.00	68,335.00	2,660,930.00	516,229.00	513,020.65	13,667.00	1,015,582.65	1,645,347.35
- Rathmal	11,601,258.27	3,360,570.77	213,480.00	14,748,349.04	2,245,180.92	2,735,276.42	42,696.00	4,937,761.35	9,810,587.69
(vote No-01.07.06 +01.08.06) - Alaw	172,875.00	8,903.75	2,050.00	179,728.75	34,575.00	35,257.84	410.00	69,422.84	110,305.91
- Df. Esta	1,209,582.69	2,400.00	16,820.00	1,195,162.69	211,809.37	239,032.54	3,364.00	447,477.91	747,684.78
- Monar	1,248,250.00		18,200.00	1,230,050.00	249,650.00	246,010.00	3,640.00	492,020.00	738,030.00
Others Assets - Df. H.Q	2,301,351.09	334,954.80	14,170.00	2,622,135.89	134,776.31	237,512.38	1,417.00	370,871.69	2,251,264.20
- Df. Estate	26,490,990.00	13,900.00	122,800.00	26,382,090.00	2,643,470.51	2,637,875.07	12,280.00	5,269,065.58	21,113,024.42
- Rathmalana	1,173,807.77	17,161.11	1,650.00	1,189,318.88	28,505.21	117,832.12	165.00	146,172.34	1,043,146.54
- N'kele	82,277.14	40,575.00	460.00	122,392.14	8,136.53	8,294.08	46.00	16,384.61	106,007.53
- Kuruwita	67,000.00	142,640.00		209,640.00	6,581.64	9,940.68		16,522.32	193,117.68
- Alawwa	166,133.33		1,000.00	165,133.33	13,564.02	16,513.33	100.00	29,977.35	135,155.98
- Monaragala	491,784.61	505,424.00	17,670.00	979,538.61	46,561.51	48,828.84	1,846.75	93,543.60	885,995.01
Library Periodicals Journals & Sub etc.	5,169,816.25	175,234.00		5,345,050.25		1,045,433.23		1,045,433.23	4,299,617.02
Rubber Replanting Df & K'wita	36,053,853.18	32,940,000.31		68,993,853.49				-	68,993,853.49
Rubber in bearing Df & k'wita	23,681,650.00			23,681,650.00		1,184,082.50		1,184,082.50	22,497,567.50
Tea Replanting K'wita	3,722,591.87			3,722,591.87		186,129.59		186,129.59	3,536,462.28
Replanting Cinnamon K'wita & Df	717,437.39	969,319.77		1,686,757.16		35,871.87		35,871.87	1,650,885.29
Replanting Pepper	106,848.01			106,848.01				-	106,848.01
Earth Slip Project	139,543.30			139,543.30	62,238.75	5,581.73		67,820.48	71,722.82
Documentary film	3,723.33			3,723.33				3,723.33	-
	-			-				-	-
Total	776,441,904.19	121,418,284.35	4,320,732.00	893,539,456.54	112,860,440.18	96,874,142.09	829,922.26	208,904,660.01	684,634,796.53
2020.01.01 Accumulated Depreciation	=	112,860,440.18			2020 Total Depreciation	=			96,874,142.09
2020 year Depreciation	=	96,874,142.09			2020 Replanting Depreciation	=			1,406,083.96
Disposal of Assets	=	(829,922.26)			Transfer to the Estate A/C				
	Rs.	208,904,660.01						Rs.	95,468,058.13

NOTE (02) OTHER FINANCIAL ASSETS

NOTE 2B -I KURUWITA

Description	Rs. 2020	Rs. 2019
Young Budding Nursery 2013	258,718.26	0.00
2007 BUD Wood Nursery - KW	1,781.41	0.00
Bud Wood Nursery 2011	36,795.39	36,795.39
2014 Young Bud wood Nursery	29,208.23	29,208.23
2007 BUD Wood Nursery		1,781.41
Cinnamon Nursery	247,608.23	247,608.23
Replanting Cinnaman - Kuruwita		
Replanting Rubber - Kuruwita		
Replanting Expenditure - Kuruwita	22,546.26	
Sub Total	596,657.78	315,393.26

NOTE 2B -II DARTONFIELD ESTATE

Description	Rs. 2020	Rs. 2019
Pineapple Trial -DF	12,397.50	
G/W Young Budding Nursery 2014/2015		0.00
2018 Young Budding NS		0.00
Banana Trails - DF	43,117.50	
SOR-Rubber Replanting Expenditure		8,016,824.18
Paper Trails - DF	24,795.00	
Budwood Nursery NK		
Budwood Nursery - GW	94,040.20	94,040.20
Cinnamon Nursery	788,265.04	
2013-2014 Young Budding Nursery		258,718.26
DF - Tea Green leaf Expenditure	12,000.00	
Sub Total	974,615.24	8,369,582.64
Grand Total	1,571,273.02	8,684,975.90

Note 03

OTHER CURRENT ASSETS

Description	Schedule No.	RRI		K'wita Estate		Df. Estate		Total	
		Rs		Rs		Rs		Rs	
		2020	2019	2020	2019	2020	2019	2020	2019
Deposits	Schedule 04	709,539.57	754,944.57					709,539.57	754,944.57
Other Debtors	Schedule 05	1,286,278.99	1,286,278.99					1,286,278.99	1,286,278.99
General Debtors	433,136.69							-	-
		433,136.69	566,224.71					433,136.69	566,224.71
Debtors		157,278.90	4,752,954.70					157,278.90	4,752,954.70
Loan Receivable		4,818,808.92	4,722,437.14					4,818,808.92	4,722,437.14
Trade & Other Receivables	Schedule 07			6,197,214.93	1,036,439.37			6,197,214.93	1,036,439.37
Trade & Other Receivables	Schedule 07					12,780,679.88	10,231,366.60	12,780,679.88	10,231,366.60
Good In Transite A/C			824,676.82					-	824,676.82
Debtor's Clearance A/C		14,921,778.14	23,173,704.39					14,921,778.14	23,173,704.39
Less : Provision for bond debtors (Schedule 06)		(16,221,279.86)	(23,195,188.11)					(16,221,279.86)	(23,195,188.11)
(Inter Transaction A/C)								-	-
Control A/C - DF & RRISL		7,496,941.09				(7,496,941.09)		-	
Control A/C - DF & RRISL				1,687,564.12		(1,525,604.32)		161,959.80	
Control A/C - KW & RRISL C		(376,581.75)		376,581.75				-	
Control A/C - KW & RRISL NC		2,859,553.29		(2,859,553.29)				-	
Control A/C - DF & RRISL C		(98,822.25)				98,822.25		-	
		15,986,631.73	12,886,033.21	5,401,807.51	1,036,439.37	3,856,956.72	10,231,366.60	25,245,395.96	24,153,839.18

Note 04**INVENTORIES/STOCKS**

Location	Schedule No.	2020	2019
		Rs.	Rs.
RRI	Schedule 01	17,271,802.72	15,758,064.97
K'wita Estate	Schedule 02	199,528.29	351,520.23
Df Estate	Schedule 03	769,215.54	1,310,008.04
Total		18,240,546.55	17,419,593.24

Note - 04 A**WORKING PROGRESS**

Description	2020
	Rs.
Extension to DDRT Officer	118,111.18
Fixing Doors, Windows and Partition	1,118,311.50
Electrical Installation	343,228.77
Remodeling of Biochemistry dept	1,424,972.26
Hume pipe place & Interlock at Sport Club	255,310.30
Work Section Building 2	6,668,959.91
Renovation Works of ASD Field Office, Kiriella	316,659.00
Repair of Masons 100 kVA Generator	269,384.00
Renovation of Phase 2 and Construction of Store room	4,299,419.63
Renovation of Plant Pathology Laboratory & Plant House	948,260.45
Electrical Installation for Factory	709,878.69
Drain Repairing	54,611.00
BL - DF - Headqts	12,930,189.49
BL - RT - Office Lab	718,893.50
Developing Model Estate	3,926,800.09
White Root Desiases	1,006,946.25
LIH	6,135,059.95
Total	41,244,995.97

NOTE 05 - RECEIVABLES

Description	2020 Rs.	2019 Rs.
RDD / ASD / RRI Control A/C.	-	316,121.70
RDD		
Festival Advance		104,216.70
Travelling Advance	115,100.00	228,500.00
A.S.D.Building Complex	5,214,500.00	5,214,500.00
Special Salary Advance	4,400.00	4,400.00
Security Deposits	32,150.00	32,150.00
E T F		35,081.56
Insurance		(229,936.93)
Pre Payments T.Premaratne,Suranga Motors Ampara	150,000.00	150,000.00
Cheques and Cash Purchase Advance		220,704.24
Mobilization Advance & On Account Payment	890,809.51	19,028,570.64
Supplier and cash Advance A/C		
Receivable A/c 03.51.06	3,335.00	5,380.29
Cash Advance Payment - DF	1,245.00	4,009.71
Cash Advance-Kuruwita Estate	230.00	
Festival Advance Loan	107,966.70	
General Advance Payment (GAP)	415,868.00	
Samaranayake & Samaranayake-ARC	117,285.50	
On Account Payment		
Staff Advance Receivable	4,974.37	
Total	7,057,864.08	25,113,697.91

Note - 06

INVESTMENT

Description	2020	2019
	Rs.	Rs.
Bank Of Ceylon Agalawatta	200,000.00	200,000.00
C/29 200835		
National Savings Bank-City Branch	357,215.83	357,215.83
A/C No.1-0002-04-5806-06		
National Savings Bank-Matugama	1,857.20	1,690.97
FD No.2-0045-01-58658		
Total	559,073.03	558,906.80

Note -07 CASH AT BANK AND IN HAND

	Cash at Bank	Cash in Hand	2020 TOTAL Rs.	2019 TOTAL Rs.
Bank of Ceylon - Cor.Branch		-	-	36,676,147.36
A/C No.1837	73,758,866.18	-	73,758,866.18	-
Bank of Ceylon - Agalawatta		-	-	11,705,108.20
A/C No.335976	6,032,385.89	0.00	6,032,385.89	-
Bank of Ceylon - Agalawatta	6,035,737.27	-	6,035,737.27	5,836,674.19
		-		
Dartonfield Estate	3,224,282.33		3,224,282.33	1,915,432.91
A/C No.335978			0	-
Kuruwita Estate	2,858,219.31		2,858,219.31	753,297.18
A/C No.4320540			0	-
			-	
Fuel Coupons Imprest	219,500.00		219,500.00	197,500.00
Total	92,128,990.98	-	92,128,990.98	57,084,159.84

Note 08

Payables

Description	Schedule No.	RRI		K'wita Estate		Df. Estate		Total	
		Rs.		Rs.		Rs.		Rs.	
		<u>2020</u>	<u>2019</u>	<u>2020</u>	<u>2019</u>	<u>2020</u>	<u>2019</u>	<u>2020</u>	<u>2019</u>
Creditors	Schedule 08	14,642,933.34	23,119,624.07					14,642,933.34	23,119,624.07
Payables	Schedule 08, 09, 10	4,632,854.39	7,005,330.05	2,965,278.06	3,579,631.60	11,520,204.02	10,856,294.57	19,118,336.47	21,441,256.22
				(Schedule 09)	(Schedule 09)	(Schedule 10)	(Schedule 10)		
Accrued Expenses	Schedule 11	24,755,685.83	50,012,561.76			-		24,755,685.83	50,012,561.76
Total		44,031,473.56	80,137,515.88	2,965,278.06	3,579,631.60	11,520,204.02	10,856,294.57	58,516,955.64	94,573,442.05

PROVISION FOR AUDIT FEE

Note - 09

Description	2020 Rs.	2019 Rs.
Beyond 2019.01.01	0.00	-
Provision for 2019	2,589,553.96	3,182,598.05
Total	2,589,553.96	3,182,598.05

PROVISION FOR GRATUITY

Note - 10

Description	2020 Rs.	2019 Rs.
RRI	124,713,976.00	114,210,233.50
Kuruwita	6,771,800.00	6,379,800.00
Dartonfield	17,180,870.00	20,342,700.00
Provision for Gratuity Polgahawela	980,000.00	950,600.00
Provision for Gratuity Monaragala	1,607,200.00	1,430,800.00
Total	151,253,846.00	143,314,133.50

Note - 11

Description	Schedule No.	2020	2019
		Rs.	Rs.
Accumulated Fund	Schedule 12	45,044,234.46	45,044,234.46
Other Capital Grants		327,499,600.49	294,377,422.20
Treasury Grants Capital		735,069,762.28	623,369,762.28
Treasury Grants for Special Capital Projects		(137,013,160.48)	(42,775,418.12)
Treasury Grants -R & D expenditures for special capital projects			
Treasury Grants Cess		79,828,035.40	79,828,035.40
Plantation Crop Development Fund		6,300,000.00	6,300,000.00
Total		1,056,728,472.15	1,006,144,036.22

Note 12

Description	2020	2019
	Rs.	Rs.
Accumulated Surpluses / (Deficits)	(584,681,074.55)	(529,734,727.96)
Prior Year adjustment	790,401.85	(1,155,670.28)
	(583,890,672.70)	(530,890,398.24)
Deficit 2020 year	10,858,981.63	(53,790,676.31)
Disposal of Assets Surpluses / (Deficits)	(96,878.52)	-
Total	(573,128,569.59)	(584,681,074.55)

Note-13 - OTHER INCOME - 2020

DESCRIPTION	TOTAL RS.	
	2020 Rs.	2019 Rs.
Interest On Institute Loans	154,873.98	153,277.57
Sales Of Publication	363,660.00	85,600.00
Bus fare Recoveries	332,713.74	288,742.00
Sundry Receipts	2,378,680.59	1,676,307.35
Analytical Charges & Other Testing Charg	7,776.00	-
Effluent Treatment- B/C Dept.	37,050.00	86,650.00
Solar Income	2,506,086.00	-
Testing of Rubber - Rubber Technology	179,905.00	206,965.00
Testing of Rubber - RRP Dept.	316,100.00	249,100.00
Kuruwita Guest House Occupational Charges	2,800.00	2,750.00
Sale of Rejected Items	202,100.00	49,502.00
Soil & Foliar analysis Fee	153,315.20	274,118.30
Interest on Investments	227,263.41	430,189.41
Sale of Tapping Knives	-	-
Use of RRI Vehicles for Projects	-	297,681.26
Profit on Training Programmes	377,187.25	305,186.00
Guest House Income	35,139.00	48,040.00
Soil Foliar Survey	490,074.40	694,783.80
Waste Rubber of RRI Depts. Sold	-	-
Tapping Panel Making plants sale	23,900.00	100,375.00
Testing T.S.R.Samples	1,642,250.00	1,224,212.00
Testing and Analytical Fees Polymer Chemistry	482,050.00	576,250.00
Insurance claims Received Factory Fire	-	-
Auditorium Income	50,000.00	41,606.00
RRI Internal Timber Used	-	-
Sale of Bud wood Stumps	250	500.00
Claims Received from Insurance Corporation	-	-
Registration Suppliers	69,150.00	-
Testing fee Plant Pathology	-	-
Testing Fees - Plant Patho	-	-
Testing Fees - Plant Science	-	2,500.00
I.R.R.D.B.- Income	-	-
Other Sales	-	630,066.23
Symposium Registration Fees	590,000.00	7,720,200.00
Testing Of soil Samples	-	42,575.00
Sales	274,600.95	-
Total	10,896,925.52	15,187,176.92

Note -14 PERSONAL EMOLUMENTS

EXPENDITURE STATEMENT - 2020

Research Departments	Emoluments	P.F.	E.T.F.	Medical Fund	Over Time	House Rent	Transport Allowance	Fuel Allowance	Total Rs.
Plant Science	17,646,129.18	2,440,278.83	488,055.76	3,115,025.54	268,688.51	69,060.00	600,000.00	197,280.00	24,824,517.82
Plant Pathology	9,424,425.01	1,330,052.61	266,010.52	1,641,929.89	315,808.74	55,258.71	600,000.00	197,280.00	13,830,765.48
Genetics & Plant Breeding	14,791,672.19	2,097,932.93	407,270.32	2,756,572.88	866,046.10	51,270.97	600,000.00	197,280.00	21,768,045.39
Soils & Plant Nutrition	12,374,018.32	1,774,804.86	354,960.96	1,882,251.76	112,873.41	53,810.00	600,000.00	197,280.00	17,349,999.31
Raw Rubber & Chemical Analysis	7,953,370.67	1,193,297.74	225,345.39	1,011,304.28	36,326.62	48,590.00			10,468,234.70
Bio-Chemistry & Physiology	6,416,646.97	850,704.44	170,140.87	1,113,814.57		18,800.00	600,000.00	197,280.00	9,367,386.85
Adaptive Research Unit	4,831,171.21	682,451.15	136,490.22	824,837.00			600,000.00	197,280.00	7,272,229.58
Rubber Technology	9,598,015.37	1,299,294.84	259,858.94	933,631.21	91,982.20	69,909.33	550,000.00	180,840.00	12,983,531.89
RRPD & CE Dept	6,480,742.71	1,036,434.63	184,220.52	1,071,555.85	149,872.14	45,999.03	50,000.00	16,440.00	9,035,264.88
Bio Metry	5,270,135.53	685,459.00	137,091.80	500,524.57	120,281.19	23,001.33	600,000.00	197,280.00	7,533,773.42
RRI New Advisory Services Dept	20,144,437.31	3,162,513.65	553,544.91	3,320,460.29	3,354.00	237,805.20	562,903.23	140,500.65	28,125,519.24
Training Center	1,071,119.90	147,448.79	29,489.76	177,964.76	25,504.82	2,280.00			1,453,808.03
Polymer Chemistry	6,319,292.25	873,405.25	174,681.05	1,314,019.30	12,567.97	41,950.00			8,735,915.82
Agriculture Economics	2,378,121.95	246,718.18	49,343.63	320,007.67	32,133.22	26,280.00			3,052,604.65
SUB TOTAL	124,699,298.57	17,820,796.90	3,436,504.65	19,983,899.57	2,035,438.92	744,014.57	5,362,903.23	1,718,740.65	175,801,597.06
Other Departments									
Library & Publication Unit	3,296,720.47	489,024.82	97,804.97	801,494.55	213,614.74	15,840.00			4,914,499.55
Director's Office	7,887,324.08	800,124.30	160,024.86	629,262.44		6,720.00	1,450,000.00	738,719.55	11,672,175.23
Internal Audit	2,068,225.18	268,779.78	53,755.96	400,899.80	35,469.08	14,280.00			2,841,409.80
Board Office	3,530,420.72	483,086.01	59,152.89	347,364.15	36,876.98	15,022.84			4,471,923.59
Administration	27,429,563.33	3,838,919.58	728,564.19	5,175,551.60	2,049,896.89	153,004.58			39,375,500.17
Finance (Accounts)	13,428,612.10	1,896,282.95	357,344.66	2,712,872.73	827,505.94	56,007.20	600,000.00	261,644.44	20,140,270.02
Stores	1,933,044.48	279,283.34	55,856.66	439,871.40	77,120.38	16,220.00			2,801,396.26
Maintenance (Work Section)	29,870,045.99	4,443,850.55	863,776.13	6,611,949.20	3,262,879.70	143,665.32			45,196,166.89
PP&MD-Audio Visual Unit -Em	1,359,685.79								1,359,685.79
SUB TOTAL	90,803,642.14	12,499,351.33	2,376,280.32	17,119,265.87	6,503,363.71	420,759.94	2,050,000.00	1,000,363.99	132,773,027.30
Grand total	215,502,940.71	30,320,148.23	5,812,784.97	37,103,165.44	8,538,802.63	1,164,774.51	7,412,903.23	2,719,104.64	308,574,624.36
Less : Computer Difference									(10,233.43)
									308,564,390.93

DARTONFIELD ESTATE EXPENDITURE

Note 14A

Wages, Salaries & Employee Benefits	2020		2019	
Salaries & Wages etc	7,820,422.19		7,679,989.39	
EPF	4,694,523.08		5,938,143.83	
ETF	1,122,220.32		1,505,301.12	
Medical	1,346,749.08		1,260,558.35	
L/Wages	26,676,285.50		20,233,519.09	
Holiday pay	3,848,323.84		3,270,210.21	
Attendance Bounds	124,100.00		125,850.00	
Paid Holiday				
Total		45,632,624.01		40,013,571.99
Supplies & Consumables Used				
Tools	-		36,709.00	
Rain Guard	2,150,717.10		2,287,682.36	
Stimulation	-		59,202.00	
Tapping Utensils	-		85,250.00	
Chemicals	-		352,810.51	
Packing Materials	172,600.15		1,166.00	
Total		2,323,317.25		2,822,819.87
Depreciation & Amortization Expenses				
Fixed Assets	3,906,414.96		(3,459,993.02)	
Repenting	1,107,520.58		1,219,659.64	
Total		5,013,935.54		(2,240,333.38)
Maintenance of Property, Plant & Equipment				
Supervisory Vehicle	-		303,522.48	
Stationery & Communication	296,514.08		766,289.22	
Bungalows	27,145.00		713,278.35	
Lines	36,689.07		132,062.83	
Miner Building Up-Keep	138,033.68		23,944.35	
Weeding	1,396,391.23		1,871,726.62	
Marking	-		201,923.76	
Tapping Panel Treatment	-		9,900.00	
Latex(Transports)	-		477,401.38	
Fuel	269,135.50		292,928.93	
Factory Up-Keep	-		38,207.92	
Machinery Up-keep	14,147.19		60,251.70	
Factory Sundries	98,351.33		42,456.70	
Transport of Produce	119,356.25		182,755.95	
Cleaning -DF Estate	178,494.00		-	
Effluent Tank - DF	17,866.92		-	
Repair & Maintenance of Office Equipment	1,800.00		-	
Vehicle Maintenance - DF	97,034.34		-	
Production Expenses	1,051,830.48		-	
Total		3,742,789.07		5,116,650.19
Other Expenses				
Contingencies				
Welfare & Sports	167,035.00		57,933.81	
Audit Fee	243,387.99		211,641.73	
DE-Sanitations – Cost of sweepers Eel Co	-		428,995.69	
Electricity - Estate	121,135.59		-	
Field Work & Cultivation Ex -DF	1,221,263.58		-	
Miscellaneous Expenses -DF	138,563.29		-	
Newspaper -DF Estate	157,295.00		-	
Plucking - DF	847,325.88		-	
Postage Charges - DF	5,802.00		-	
Traveling - DF	30,406.25		-	
Water Supply Expenses -DF Estate	7,000.00		-	
Stationery And Printing Charges - DF	163,720.54		-	
Telephone -DF	40,067.95		-	
Other Expenses	3,240.00		1,073,759.32	
Total		3,146,243.07		1,772,330.55
Finance Costs				
Legal	90			
Commission Cash Transport/Insurance	387,877.96		471575.06	
Rates & Tax	8,516.57		-	
Insurance	144,111.37		5692.98	
Bank Charges - DF estate	43,050.00		-	
Total		583,645.90		477,268.04
Total Revenue expenditure		60,442,554.84		47,962,307.26

KURUWITA SUB STATION

Note 14 B

Wages, Salaries & Employee Benefits

Description	2020 Rs.		2019 Rs.	
Emolument	4,192,533.78		3,101,283.93	
EPF	1,868,797.91		1,557,568.44	
ETF	447,009.58		389,392.11	
Medical	623,933.92		584,105.64	
L/Wages - Tapping/other sundries	12,208,431.50		12,657,337.96	
Overtime pay / Holiday pay	886,426.71		1,072,880.91	
Attendance bonus	43,053.67		45,012.50	
Total		20,270,187.07		19,407,581.49
Supplies & Consumables Used				
Tools	-		11,450.40	
Rainguard	-		999,951.62	
Stimulation	-		51,464.65	
Tapping Utensils	-		61,335.00	
Production Expenses	310,755.09		-	
Rainguard Expenditure	611,761.49		-	
Fuel	239,239.00		-	
Packing Materials	9,963.00		17,920.00	
Chemical etc	-		287,587.06	
Tapping Exp	23,025.00			
Total		1,194,743.58		1,429,708.73
Depreciation				
Fixed Assets	1,106,234.35		(1,061,368.25)	
Replanting	298,563.38		195,925.89	
Total		1,404,797.73		(865,442.36)
Maintenance of Property, Plants & Equipment				
Supervisory Vehicle	-		693,378.58	
Stationery & Communication	8,980.00		730,883.69	
Bungalows	3,975.00		198,913.79	
Lines	-		192,770.87	
Minor Building upkeep	67,826.00		139,042.49	
Weeding	1,157,719.57		733,910.35	
Marking	-		86,500.38	
Tapping panel treatment	-		34,720.00	
Latex transport	-		54,405.00	
Fuel	-		99,899.39	
Repair & Maintenance of Office Equipment	27,680.00		-	
Vehicle Maintenance	31,070.00		-	
Machinery upkeep	41,208.00		60,685.19	
Factory Expenses	1,264,089.38		49,637.29	
Transport of Produce	-		79,136.51	
Total		2,602,547.95		3,153,883.53
Other Expenses				
Contingencies	-		87,037.51	
Welfare	43,614.00		24,440.00	
Audit fee	75,548.07		65,693.97	
Advertisement	11,016.00		-	
Electricity	321,191.59		-	
Field Work And Cultivation Expenses	174,224.00		-	
Labour Gratuity Exp	548,800.00		-	
Land Maintenances	145,722.00		-	
Miscellaneous Expenses	67,254.00		-	
News Papers	7,920.00		-	
Postage	1,500.00		-	
Telephone	48,250.67		-	
Transport Expenses	327,269.00		-	
Travelling	32,595.00		-	
Water Supply Expenses	25,571.00		-	
Other Expenses	-		139,945.03	
Total		1,830,475.33		317,116.51
Finance Costs				
Legal	31,428.00		-	
Commission on Cash	131,556.82		124,080.39	
Bank Charges - Kuruwita	4,000.00		-	
Insurance	41,041.42		52,259.19	
Total		208,026.24		176,339.58
Grand Total		27,510,777.90		23,619,187.48

MONARAGALA SUB STATION

Note 14 C

Description	2020		2019	
	Rs.		Rs.	
Emolument	5,864,432.06	6,772,664.02	5,028,962.16	5,973,214.54
EPF	793,497.81		828,196.98	
ETF	114,734.15		116,055.40	
Supplies & Other Consumables used	602,651.57	722,620.57	220,198.11	1,086,223.62
Other Expenses	119,969.00		866,025.51	
Total	7,495,284.59		7,059,438.16	

POLGAHAWELA SUB STATION

Note 14 C

	2020		2019	
	Rs.		Rs.	
Emolument	4,041,069.94	4,515,760.69		-
EPF	379,752.60			
ETF	94,938.15			
Supplies & Other Consumables used	969,368.72	1,040,468.72	169,689.50	262,858.89
Other Expenses	71,100.00		93,169.39	
Total	5,556,229.41		262,858.89	

Note-15 - TRAVELLING

Description	2020 Rs.	2019 Rs.
RESEARCH DEPARTMENTS	Travelling & Subsistence	
Plant Science	725,384.00	1,296,489.00
Plant Pathology	162,352.00	497,554.00
Genetics & Plant Breeding	968,159.00	1,263,430.00
Soils & Plant Nutrition	410,158.00	537,290.00
Raw Rubber & Chemical Analysis	55,250.00	60,628.00
Bio-Chemistry & Physiology	62,292.00	-
Adaptive Research Unit	36,450.00	282,705.05
Rubber Technology	101,709.00	222,112.55
RRPD & CE Dept	245,335.27	343,814.11
Bio Metry	37,574.08	39,608.00
Polymer Chemistry	45,914.35	106,750.50
Agriculture Economics	3,500.00	24,000.00
Sub Total	2,854,077.70	4,674,381.21

OTHER DEPARTMENTS	2020 Rs.	2019 Rs.
Library & Publication Unit	13,750.00	32,875.00
Director's Office	104,560.00	144,931.00
Internal Audit	59,221.00	87,969.00
Board Office	43,165.00	55,685.00
Administration	339,877.68	477,516.53
Finance (Accounts)	168,469.00	222,560.00
Stores	52,600.00	68,400.00
Maintenance (Work Section)	1,979,597.50	2,906,417.00
RRI New Advisory Services Dept	1,443,908.28	2,109,423.80
Training Centre	7,498.00	8,494.00
Sub Total	4,212,646.46	6,114,271.33
Grand Total	7,066,724.16	10,788,652.54

Note -16 - SUPPLIERS AND CONSUMABLES

RESEARCH DEPARTMENTS **OTHER EXPENSES**

Description	2020 Rs.	2019 Rs.
Plant Science	201,713.68	397,914.75
Plant Pathology	19,562.27	254,302.20
Genetics & Plant Breeding	19,799.43	260,617.21
Soils & Plant Nutrition	37,122.26	401,739.92
Raw Rubber & Chemical Analysis	195,050.05	1,128,695.21
Bio-Chemistry & Physiology	31,743.68	92,369.78
Adaptive Research Unit	62,604.50	248,245.29
Rubber Technology	85,134.15	45,170.47
RRPD & CE Dept	115,600.66	502,673.92
Bio Metry	15,194.96	15,807.94
Polymer Chemistry	256,005.77	522,810.28
Agriculture Economics		2,250.00
SUB TOTAL	1,039,531.41	3,872,596.97

OTHER DEPARTMENTS

Library & Publication Unit	46,820.54	53,414.53
Director's Office	35,361.05	56,057.13
Internal Audit	3,614.95	12,952.69
Board Office	54,208.86	448,244.90
Administration	396,393.50	2,880,277.48
Finance (Accounts)	16,567.50	21,685.56
Maintenance (Work Section)		
RRI New Advisory Services Dept	523,218.91	315,545.52
Training Centre	403,884.90	442,600.93
Stores	60,314.26	44,950.07
Electronic Repair Unit		
SUB TOTAL	1,540,384.47	4,275,728.81
L.P gas for Bungalows	395,583.70	409,430.27
Fuel & Lubricants	3,845,153.22	7,116,055.19
Stationery and Office Requisites	700,950.28	479,897.77
Medical Expenses	517,181.40	596,802.83
SUB TOTAL	5,458,868.60	8,602,186.06
GRAND TOTAL	8,038,784.48	16,750,511.84

DEPRECIATION OF NON CURRENT ASSETS

Note-17

CATEGORY OF ASSETS	Percentage	Rs.	
Description		2020 Rs.	2019 Rs.
Buildings	2.50%	5,801,967.65	4,314,463.24
Intangible Assets	20.00%	5,847,840.30	5,635,378.91
Furniture, Fittings & Office Equipment	20.00%	15,592,264.09	13,995,545.97
Power & Water Supply	10.00%	742,437.65	671,689.64
Machinery & Tools	12.50%	3,546,080.08	1,265,471.12
Lab Apparatus	20.00%	31,630,904.54	25,961,683.09
Motor Vehicles	20.00%	19,503,429.87	19,482,694.56
Library Books	20.00%	1,045,433.23	2,005,589.63
Documentary Film	12.50%		182.84
Earth Slip Project	4.00%	5,581.73	5,581.73
Other assets	10.00%	3,076,796.50	2,881,595.74
Upgrading telecommunication	2.50%	173,686.88	
Effluent Treatment Plant	4.00%	376,916.43	376,916.45
Audio Visual Equipment	20.00%	1,623,069.41	1,368,905.34
Road Development	10.00%	1,844,617.68	1,072,642.86
Solar Pannel - DF Estate	20.00%	2,539,125.98	710,445.53
CCTV Camera	20.00%	1,083,185.60	382,936.61
Surge Protection Device	20.00%	1,034,720.51	927,433.29
Rubber in bearing Df & k'wita	5.00%	1,184,082.50	1,147,987.35
Tea Replanting K'wita	5.00%	186,129.59	195,925.89
Replanting Cinnamon K'wita & Df	5.00%	35,871.87	71,672.29
Total		96,874,142.09	82,474,742.10
Less:			
Replanting Depreciations - DF		1,107,520.58	(1,415,585.53)
Replanting Depreciations - KW		298,563.38	
Dartonfield Estate - Depreciation		3,906,414.96	(3,459,993.02)
Kuruwita Estates - Depreciation		1,106,234.35	(1,061,368.25)
		90,455,408.81	76,537,795.29
Less: Amortization			-
		90,455,408.81	76,537,795.29

Note-18 -**MAINTENANCE**

Description	2020 Rs.	2019 Rs.
Office & General Building Repair & Maintenance	3,992,071.25	947,291.70
Maintenance of Auditorium	12,533.70	110,589.40
Maintenance of Bungalows	2,006,579.73	5,787,185.13
Bungalow Premises & Compounds	-	2,861,133.06
Maintenance of Plant & Machinery	47,050.00	841,318.22
Furniture, Fixtures & Fittings	37,690.00	166,390.00
Institute General Building Premises & Compounds	4,561,823.13	-
RRI Ratmalana Building Premises Upkeep-Maintenance	7,927,137.13	10,732,589.28
Maintenance Tools	1,100.00	5,965.00
Maintenance of Computer (Note 32A)	1,658,546.16	3,592,509.82
Computer Network	719,869.68	465,343.50
BO-R.R.I Ratmalana Maintenance	40,175.00	90,911.00
BO-RRI Photocopier Maintenance	145,461.72	350,772.50
OPERATIONAL EXPENDITURE VEHICLES.		
Operational Expenditure Vehicle	157,670.00	5,821,208.75
Total	21,307,707.50	31,773,207.36

Note-18 -**RESEARCH DEPARTMENTS**

Description	2020 Rs.	2019 Rs.
Plant Science	58,069.04	71,642.92
Plant Pathology	41,524.84	71,366.27
Genetics & Plant Breeding	39,190.32	52,917.74
Soils & Plant Nutrition		65,476.54
Raw Rubber & Chemical Analysis	59,200.00	176,949.90
Bio-Chemistry & Physiology	6,699.99	40,915.30
Adaptive Research Unit	92,570.00	51,970.10
Rubber Technology	14,750.00	62,280.99
RRPD & CE Dept	14,900.00	94,534.00
Bio Metry	151,191.50	444,840.26
Polymer Chemistry	45,500.00	70,362.54
Agriculture Economics	18,700.00	22,125.00

OTHER DEPARTMENTS

Library & Publication Unit		341,840.72
Director's Office	173,399.99	314,392.64
Internal Audit		33,124.65
Board Office	76,450.00	265,895.53
Administration	272,602.68	788,873.40
Finance (Accounts)	437,726.88	416,143.39
Maintenance (Work Section)	59,962.56	87,469.69
RRI New Advisory Services Dept	60,062.56	44,161.08
Training Centre		
Stores	36,045.80	21,934.68
Audio Visual Unit		53,292.48
TOTAL	1,658,546.16	3,592,509.82

ADMINISTRATION - GENERAL CHARGES - 2020

Note-19 -

CONTRACTUAL SERVICES	2020 Rs.	2019 Rs.
Legal Expenses	63,851.00	365,097.00
Audit Fees	1,305,055.85	1,523,445.87
IRRDB Expenses		33,663.00
Entertainment Expenses	105,361.00	178,408.54
Entertainment Expenses	187,412.00	331,119.67
Insurance General Covers(Excluding vehicles)	1,003,533.25	1,986,877.98
Welfare and Recreation	293,405.64	332,900.78
BO-Fees for Staff Medical Examini Consul	2,000.00	
Bank Charges		68,104.65
Security Charges - RRI	1,479,677.49	2,030,209.67
Postage	110,575.00	191,944.00
Telephone	6,983,549.02	7,668,350.01
Advertisements	595,512.00	869,426.25
Sundries & Utility Services	761,074.44	200,070.28
Staff Training & Development	80,704.49	4,896,324.37
Fees For Interview Panels	16,250.00	173,482.00
Provident Fund Expenses-RRI Component		
Public Relations	22,288.69	18,506.55
Honorarium to Members Attending AMCOM	34,269.00	39,225.00
Honorarium to Members Attending for Board	523,542.00	640,340.00
General Working Expenses	360,742.89	
Gratuity for the Year	22,448,038.50	24,118,967.50
Staff Gratuity Polgahawela	29,400.00	(30,520.00)
Staff Gratuity Monaragala	176,400.00	100,100.00
Power Supply & Maintenance	10,079,451.49	9,819,086.15
Water Supply & Maintenance	1,205,228.19	1,399,857.93
I.R.R.D.B.(International Rubber Resea	57,750.00	
Revenue Licenses, Insurance Covers, Fitness fees &	277,790.17	336,120.20
External Vehicles Hired	20,767.00	1,414,877.53
Rent & Taxes	697,559.70	48,402.53
Inland Revenue Stamp Duty	2,385.00	3,900.00
Sundry Expenses	450,542.20	859,172.99
RRI/TRI/CRI Symposium		9,515,966.95
Telephone Allowance- Staff	146,975.94	
General Expenses BO	97,230.50	62,771.75
Library & Publication Unit-Working Expenses	19,016.00	1,453,974.22
Guest House – Hostel RRI D/F & Kuruwi	584,315.90	2,700,129.57
Subscriptions	71,670.00	117,310.00
BO-P.F. Maintenance	40,870.00	45,805.00
Administration Sundries		496,816.65
Bad Debtors & Doubtful Debtors	1,278,018.00	(332,308.30)
General Expenses DO	19,247.00	18,572.00
General Expenses OI	4,000.00	10,311.00
NRC Project	-	161,000.00
Rathmalana Stocks A/C Adjusment A/C	82,214.84	173,614.70
Stocks Adjusment A/C	131,425.90	556,860.05
AE-Working Expenses	1,350.00	6,950.00
ARU-Working Expenses	600.00	4,967.00
Working Exp BM	29,665.00	79,295.84
Working Exp G & PB	22,615.41	10,136.00
Working Exp LIB	605,894.75	240,596.83
Working Exp NAS	593,723.74	404,733.25
contractual Services for the Research Support		
Total	53,102,948.99	75,344,962.96

EXPENDITURE -RESEARCH AND DEVELOPMENT

Note -20 Research Departments

Description	Laboratory Working	Field Working	Total	Laboratory Working	Field Working	Total
	Rs.			Rs.		
	2020			2019		
Plant Science	143,932.12	2,154,075.65	2,298,007.77	310,945.60	2,432,514.38	2,743,459.98
Plant Pathology	869,311.53	1,217,014.39	2,086,325.92	2,229,006.24	619,844.24	2,848,850.48
Genetics & Plant Breeding	438,230.95	2,323,875.62	2,762,106.57	878,657.34	4,532,617.47	5,411,274.81
AEU-Field Experiments 29.01.05		1,012.50	1,012.50			-
Soils & Plant Nutrition	42,392.16	506,357.20	548,749.36	256,234.58	619,494.06	875,728.64
Raw Rubber & Chemical Analysis	424,137.55	127,916.91	552,054.46	278,385.76		278,385.76
Bio-Chemistry & Physiology	732.23	640,987.98	641,720.21	30,042.33	820,248.49	850,290.82
Adaptive Research Unit	7,840.00	64,186.75	72,026.75	70,610.00	377,618.04	448,228.04
Rubber Technology	320,092.48	153,673.13	473,765.61	262,583.74	5,000.00	267,583.74
RRPD & CE Dept	45,799.55	86,718.75	132,518.30	324,107.47	71,950.00	396,057.47
Bio Metry		107,850.00	107,850.00		4,754.14	4,754.14
Polymer Chemistry	68,358.64	10,687.62	79,046.26	128,699.94	1,000.00	129,699.94
Advisory Services Dept.		291,794.75	291,794.75			
Negenahira Navodaya	305,413.60		305,413.60	633,485.26		633,485.26
Northern Province Expenses	236,179.17		236,179.17	751,802.21		751,802.21
SUB TOTAL	2,902,419.98	7,686,151.25	10,588,571.23	6,154,560.47	9,485,040.82	15,639,601.29
NSF Expenditure						
EDB Project (Tyre Center) - Ex	318,507.90		318,507.90	70,284.68		70,284.68
NSF Grant No. RG/2015/BT/01-EX			-	294,756.50		294,756.50
N.S.F. Grant RG/2016/AG/01- Expenditures	312,450.98		312,450.98	1,727,675.78		1,727,675.78
NSF Grant RG/2017/AG/01- Expenditures	19,362.57		19,362.57	1,965,023.83		1,965,023.83
ASD - UNDP Joint Project - EX	129,510.61		129,510.61	4,296,426.30		4,296,426.30
New Leaf Disease	751,825.12		751,825.12			
SUB TOTAL	1,531,657.18	-	1,531,657.18	8,354,167.09	-	8,354,167.09
Vote 23.02.15 Pest & Diseases	3,134,182.54	-	3,134,182.54	8,551,994.99	-	8,551,994.99
Vote 03.63G 60Million Project		-	-	44,137,436.17	-	8,369,978.98
Vote 03.63H Developing A Model Estate		-	-	63,393,114.41	-	44,028,830.61
Vote 03.63K Modification Of Fertilizer Recomm	295,797.83	-	295,797.83	8,369,978.98	-	17,077,259.91
03.63L Finite Element Analysing Center		-	-	44,028,830.61	-	-
Vote 03.63M Accreditation Of RRCA		-	-	17,077,259.91	-	-
SUB TOTAL	3,429,980.37	-	3,429,980.37	185,558,615.07	-	78,028,064.49
Vote 38.02.17 Carban Market	2,081,403.32	-	2,081,403.32	1,630,379.07	-	1,630,379.07
22.01.17 Intercropping	11,012,476.03		11,012,476.03	10,573,478.53	5,620,331.14	10,573,478.53
Vote 36.01.17 Low Intensity Harvesting	21,317,399.16	-	21,317,399.16	16,210,932.68	-	16,210,932.68
Vote 23.02.17 'White Root Desiases	8,195,977.31	-	8,195,977.31	188,301.71	-	188,301.71
SUB TOTAL	42,607,255.82	-	42,607,255.82	28,603,091.99	5,620,331.14	28,603,091.99
TOTAL	50,471,313.35	7,686,151.25	58,157,464.60	228,670,434.62	15,105,371.96	130,624,924.86

Note -21 OTHER OPERATING EXPENSES

Description	2020	2019
	Rs.	Rs.
Medical Centre Labor	855.00	239,530.54
Sanitation		
Roads, Fences & Boundaries	661,159.88	1,490,313.96
Watchmen & Gate Watchers	3,537,501.44	5,879,332.44
Total	4,199,516.32	7,609,176.94

DARTONFIELD GROUP ESTATE WORKING ACCOUNT FOR THE YEAR ENDED 2020

Note 22

Description	2020 Rs.		2019 Rs.	
Sales of Rubber		46,436,814.55		39,169,929.61
2020.01.01 Stock	4,654,190.00			4,922,980.00
Purchase	-			
	4,654,190.00		141,129.63	44,092,909.61
2020.12.31 Stock	6,574,825.00	1,920,635.00		(4,654,190.00)
Gross Profit		48,357,449.55	268,790.00	39,438,719.61
Add :-				
Sundry Receipts	65,150.00		-	
Rubber Replant Subsidy	3,661,791.88		242,372.00	
Tea Green Leaf Sale	1,423,300.00		167,547.63	
Other Receipts	200,494.50		-	
Rain Guard Subsidy	1,721,675.00		-	
Fine (penalty)	16,210.00		-	
Intercrop Subsidy	553,877.50		-	
Raw Scrap income -	3,184,952.50		-	
Over Provision of Gratuity	387,854.98		-	
Sales OF Fire Wood - DF	254,225.00	11,469,531.36	-	141,129.63
		59,826,980.91		39,579,849.24
Less :				
Expenses				
Wages, Salaries and employee benefits (Note 14A)	45,632,624.01		40,013,571.99	
Supplies and Other consumables used (Note 14A)	2,323,317.25		2,822,819.87	
Depreciation and amortization expenses (Note 14A)	5,013,935.54		(2,240,333.38)	
Maintenance of property, plant and equip (Note 14A)	3,742,789.07		5,116,650.19	
Other expenses (Note 14A)	3,146,243.07		1,772,330.55	
Finance Costs (Note 14A)	583,645.90	60,442,554.84	477,268.04	47,962,307.26
Other Expenditure Estate (Projects) (Note 14A)		-		-
Other Expenditure Projects				
Tea Green Leaf Expenditure				
DE-Sanitations – Cost of sweepers Eel Co			428,995.69	
1980/93 Rubber Field Ex.		-		428,995.69
Surplus for the period		(615,573.93)		(8,811,453.71)

Kuruwita Estate Working Account for the Year Ended 2020

Note 23

Description	2020		2019	
		Rs.		Rs.
Revenue				
Sales of Latex & Scrap		25,054,571.12		20,699,322.98
2020.12.31 Stock		741,786.50		
		25,796,357.62		
Other Revenue				
<u>Add :-</u>				
Sundry Receipts	101,472.00		6,089,190.00	
Rubber Replanting Subsidy	1,110,980.00			
Sundry Income	45,153.00		183,971.00	
Sales of Rubber Scrap	1,449,051.60			
Tea Green Leaf Income	1,267,268.31			
		3,973,924.91		6,273,161.00
Total Revenue		29,770,282.53		26,972,483.98
Less :				
Expenses				
Wages, Salaries and employee benefits (Note 14B)	20,270,187.07		19,407,581.49	
Supplies and consumables used (Note 14B)	1,194,743.58		1,429,708.73	
Depreciation and amortization expenses (Note 14B)	1,404,797.73		(865,442.36)	
Maintenance of Property, Plants & Equip (Note 14B)	2,602,547.95		3,153,883.53	
Other expenses (Note 14B)	1,830,475.33		317,116.51	
Finance Costs (Note 14B)	208,026.24	27,510,777.90	176,339.58	23,619,187.48
Rubber Replanting Kuruwita			189,510.65	
Cinnamon New planting Expenditure-KW		-	500,960.21	690,470.86
Surplus for the Period		2,259,504.63		2,662,825.64

KUMARAWATTA ESTATE WORKING ACCOUNT FOR THE YEAR ENDED 2020

Note 24

Description	2020 Rs.	2019 Rs.
Sales of Income	959,178.38	
Rubber Re-Planting Subsidy		-
<u>Less :-</u>		
Wages, Salaries and employee benefits	6,772,664.02	5,973,214.54
Supplies & Other Consumables used (Note 14C)	602,651.57	(220,198.11)
Other Expenses	119,969.00	(866,025.51)
Nursery Project Monaragala		(10,687.50)
Loss for the Year Rs.	7,495,284.59	4,876,303.42

NARAMPOLA ESTATE WORKING ACCOUNT FOR THE YEAR ENDED 2020

Note 25

Description	2020 Rs.	2019 Rs.
Rubber Sales	4,291,722.75	229,180.08
Other Sales	30,375.00	-
	4,322,097.75	229,180.08
<u>Less :-</u>		
Wages, Salaries and employee benefits	(4,515,760.69)	-
Supplies & Other Consumables used (Note 14C)	(969,368.72)	(169,689.50)
Other Expenses	(85,922.41)	(93,169.39)
Rs.	(1,248,954.07)	(33,678.81)

NSF GRANTS OF SCHEDULES TO THE ACCOUNTS FOR THE YEAR ENDED 31.12.2020

Note 26

Description	Votes No.					
	03.30X	03.30I	03.30U	03.30Y	42.01.15	Total
Opening Balance	1,805,865.52	356,001.00	386,761.71	2,593,853.39	9,980,107.00	15,122,588.62
Add :						-
Fund Received	519,424.00			198,000.00		717,424.00
						-
	2,325,289.52	356,001.00	386,761.71	2,791,853.39	9,980,107.00	15,840,012.62
Less :						
Adjustment for the year	2,040,126.76	-	386,761.71	2,182,386.40	4,425,936.91	9,035,211.78
						-
	2,040,126.76	-	386,761.71	2,182,386.40	4,425,936.91	9,035,211.78
Balance as at 31.12.2019	285,162.76	356,001.00	-	609,466.99	5,554,170.09	6,804,800.84

NSF GRANTS OF SCHEDULES TO THE ACCOUNTS FOR THE YEAR ENDED 31.12.2020

Note 26B

Description	Vote 23.02.15 Pest & Dieases	Vote 03.63G 60Million Project	Vote 03.63H Developing A Model Estate	Vote 03.63K Modification Of Fertilizer Recomm	03.63L Finite Element Analysing Center	Vote 03.63M Accreditation Of RRCA	Vote 03.63 P EDB Project (Tyre Center)	Total
Opening Balance	7,033,558.87	65,995,804.47	76,704,452.99	26,890,166.82	49,772,590.00	18,000,000.00	25,000,000.00	269,396,573.15
Add :								-
Fund Received	7,620,000.00		15,200,000.00	1,500,000.00			23,151,271.09	47,471,271.09
	14,653,558.87	65,995,804.47	91,904,452.99	28,390,166.82	49,772,590.00	18,000,000.00	48,151,271.09	316,867,844.24
Less :								
Expenditure -R&D	11,824,991.61	14,814,428.17	31,338,621.05	2,402,916.81	7,344,264.61	548,327.00	388,792.58	68,662,341.83
Expenditure -Capital (Differed)			24,753.60				1,789,699.98	1,814,453.58
Expenditure -Total	11,824,991.61	14,814,428.17	31,363,374.65	2,402,916.81	7,344,264.61	548,327.00	2,178,492.56	70,476,795.41
Balance as at 31.12.2019	2,828,567.26	51,181,376.30	60,541,078.34	25,987,250.01	42,428,325.39	17,451,673.00	45,972,778.53	246,391,048.83

RUBBER RESEARCH BOARD OF SRI LANKA

SCHEDULE TO THE STATEMENT OF FINANCIAL PERFORMANCE AS AT 31ST DECEMBER 2020

INVENTORIES/ STOCKS - RRI

SCHEDULE 01

	2020	2019
	Rs.	Rs.
Unsold Stock - Dartonfield	6,574,825.00	4,654,190.00
Unsold Stock - Kuruwita	741,786.50	
Stock - Rathmalana	1,051,960.34	1,152,728.86
Stationary	535,584.59	605,380.83
Stock - General	7,313,673.87	8,192,246.86
Stock in obsolete	489,004.07	489,004.07
Non Moving Stock	434,249.35	434,249.35
Monaragala Stock	125,794.00	160,854.00
polgahawela Stock	4,925.00	69,411.00
Total	17,271,802.72	15,758,064.97

SCHEDULE 02 - KURUWITA ESTATE STOCK

Fertilizer	2020		2019	
	Qty.(kg)	Rs.	Qty.(kg)	Rs.
Fomic acid			35	11,639.15
L.P.Gas	1	1,524.00	1	1,524.00
Polythene			496.9	159,642.92
Poly bags	10000	43,411.20	10000	43,411.20
Tapping Knives	1	565.00	1	565.00
Timber	160.91	37,042.17	160.91	37,042.17
Petrol	20	2,740.00	20	2,922.32
Equi Broom			1	133.54
Sulphur	750	66,000.00		
Urea	150	2,786.93	150	2,786.93
M.O.P	150	2,786.93	150	2,786.93
Dolomite	3900	34,240.24	500	43,897.75
U 709			1000	21,666.67
Cinnamon Mixture	400	8,431.82	1000	21,079.55
Firewood			7	2,422.10
Total		199,528.29		351,520.23

SCHEDULE 03 - STOCK VALUE - DARTONFIELD ESTATE

Item	2020		2019	
	Qty (Kg)	Value (Rs)	Qty (Kg)	Value (Rs)
Formic Acid	35	1,407.28		
Dolomite		-		
Glyphosate	17	62,799.18		
Sodium bi Sulphate	25	7,515.47		
RU 465 N.P.K.		-		
Tar	2835	167,268.59	2835 Ltrs	167,268.59
Coir Brooms				
China clay	100	16,686.52	100 Kg	16,686.52
Poly Bags	28750	71,105.43	28750 Nos	71,105.43
Poly bags 26 x 36	4800	103,680.00		
Etharal	45	103,378.77		
Fire Wood		-	16 Yrds	28,660.21
Eckel Brooms		-		
Polythene rain guard	237 Kg	79,180.20	2725 Kg	860,341.87
Timber 3" x 4"				
Timber 3" x 5"				
Timber				
Timber 2" x 4"				
Timber 2" x 2"				
Timber 1" x 9"	1,467.7 Ft	51,803.25	1,467.7 Ft	51,803.25
Timber 1 1/8" x 4"				
Timber 2" x 1"				
Timber 2" x 2.5"				
Timber 1" x 1/8"				
Timber 2"x 1 1/2"				
Gutter Box				
Gutter (Color)				
U.709	450	21,770.85		
Rain guard sealent	30	82,620.00	505 Kg	58,941.80
LDPE 600X300Polythene				
Fertilizer			1233	55,200.37
Total		769,215.54		1,310,008.04

SCHEDULE 04**DEPOSITS**

Description	2020 Rs.	2019 Rs.
Telecom	6,000.00	6,000.00
Electricity	90,500.00	90,500.00
Post Master General	4,922.57	50,327.57
New Bambalapitiya Service Station	4,000.00	4,000.00
Ceylon Oxygen Co. Ltd.	113,316.00	113,316.00
Tender	2,000.00	2,000.00
Lanka Filling station-Narahenpita	15,000.00	15,000.00
Leo Freight Services(Pvt) Ltd	3,801.00	3,801.00
M.P.C.S. Matugama (Fuel)	300,000.00	300,000.00
M.P.C.S. Moratuwa (Fuel)	50,000.00	50,000.00
S.P.Lanka Petroleum (Pvt) Ltd	70,000.00	70,000.00
B.K.S. Filling Station,Moratuwa	50,000.00	50,000.00
Samaranayake & Samaranayake		
Total	709,539.57	754,944.57

SCHEDULE 05		
Description	2020 Rs.	2019 Rs.
OTHER DEBTORS		
Mr.Thurul Warnakula	936,278.34	936,278.34
Mr.D.E.D.E.I.N.Perera	350,000.65	350,000.65
	1,286,278.99	1,286,278.99
TRADE DEBTORS		
General Debtors	433,136.69	566,224.71
SUNDRY DEBTORS		
Provident Fund Control A/C RRI	100,043.65	(226,902.09)
Interest Receivable	-	11,132.88
Handy Craft Project	57,235.25	57,235.25
Fund Receivable from Model Estate Project	-	4,115,698.66
Other Receivables	-	795,790.00
Total	157,278.90	4,752,954.70
LOAN RECEIVABLES		
	2,020.00	2019
Motor Car / Motor Car Repair Loan	27,500.00	76,250.00
Motor Cycle Loan	20,833.25	29,166.55
Personal/Distress/Study Loan	67,500.00	238,580.96
New Personal Loan	4,595,562.67	4,307,614.95
Staff Medical Fund Loan	107,413.00	(35,327.00)
Loan Receivables - Disaster Loan		106,151.68
Total	4,818,808.92	4,722,437.14
Note		
Bond Debtors	Balance as at 31.12.2020	Balance as at 31.12.2019
H .H. Thalgawatta	38,402.56	38,402.56
B.P.Weera rathna	1,825,654.55	1,825,654.55
SMCE Silva	1,635,005.85	1,635,005.85
Nalinda P Wicramasinghe	10,643.54	10,643.54
G.V.L.Nilmini	-	-
Total	3,509,706.50	3,509,706.50

SCHEDULE 06**DOUBTFUL DEBTORS**

Rs

Period of outstanding	Description	Balance	Provision Made	Provision
Up to 2015	Other Debtors	1,286,278.99	100%	1,286,278.99
	General Debtors	433,136.69	Nil	
	General Debtors (Staff)	109,069.75	Nil	
Less than 01 Year	General Debtors	59,612.32	Nil	
	Debtors	157,278.90	Nil	
2015 to 2019	General Debtors	264,454.62	5%	13,222.73
	Debtors	4,752,954.70	Nil	-
Up to 2015	Debtors	14,921,778.14	100%	14,921,778.14
Total		21,984,564.11		16,221,279.86

KURUWITA ESTATE TRADE & OTHER RECEIVABLE

TRADE & OTHER RECEIVABLE

SCHEDULE 07

Description	2020	2019
	Rs.	Rs.
Check Roll Debts	19,578.39	35,959.84
Festival Advance (Staff)	-	127,400.00
Deposit A/c	21,788.00	21,788.00
Postage	313.00	313.00
St.Joachime Estate	165,716.59	76,840.28
Sundry Debtors	9,176.49	9,176.49
Electricity Bills Receivables	5,435.76	6,743.44
Book Allowance	400.00	400.00
Advisory Service	117,768.40	32,453.22
G&PB Dept	148,288.74	110,657.74
P.S. Dept VOTE 99	554,299.86	375,204.64
P.S. Dept VOTE 20 - KW	67,722.18	-
P.S.DEPT - Perrenial crop	87,094.85	69,760.38
P.S.DEPT Density trial	135,205.61	50,440.61
PAYMENT ADVANCE	3,230.00	3,230.00
P.P. Dept	55,599.71	90,782.74
P.S. Dept Vote No 4	32,535.70	24,340.33
SOILS & PN Dept	16,311.52	948.66
J.D & SONS	4,221,145.13	-
Rain Gard Subsidy receivabla	524,205.00	-
Festival Advance - Kuruwita	1,400.00	-
Personal Loan - Kuruwita	10,000.00	-
	6,197,214.93	1,036,439.37

DARTONFIELD ESTATE
TRADE & OTHER RECEIVABLE

Description	2020	2019
	Rs.	Rs.
Check Roll debtors	70,278.68	53,787.06
Deposit A/c (Df)	2,690.00	2,690.00
J.D. & Sons	148,806.38	-
National Institute of Plantation Management	66,066.14	66,066.14
Postage Stamp	140.00	140.00
Pry Month Rubber Industries	6,100.00	6,100.00
Tamil Festival Advance	-	12,300.00
Vogen Estate	13.57	125,034.95
Festival Advance Christmas	400.00	18,809.09
Factory chemical Balance	57,339.30	26,226.91
Co-Operative Society	16,125.00	16,125.00
Special Salary advance	46,189.36	46,189.36
Special Festive Advance	4,550.00	4,550.00
Kuruwita Sub Station	-	2,132,040.85
Festival Advance 18/19 (Df)	765.37	354,763.88
Payment in advance	12,000.00	70,000.00
Festival Advance -Deepawali	-	562,000.00
Other Receivable	795,790.00	-
Festival Advance - Sinhala	8,300.00	2,400.00
Recevable A/c	-	2,088,776.48
Funaral Funds	200.00	200.00
Elhena Tea Factory	166,050.00	65,420.00
Polgahawela Sub Station	1,677,899.27	1,105,710.09
JD & SONS (PVT) LTD	-	3,472,036.79
Festival Adv Sinhala -DF	73.98	-
Festival Advance Christmas 19/20 -DF	17,000.00	-
Festival Advance Christmas 20/21 -DF	30,000.00	-
Festival Advance Deepawali 20/21 -DF	576,000.00	-
Festival Advance Sinhala -DF	2,750.00	-
Model Estae Project Recevable	884,485.60	-
Festival Advance Tamil 19/20-DF	1,001.56	-
Receivables -DF	8,189,665.67	-
	12,780,679.88	10,231,366.60

CREDITORS 2020

SCHEDULE 08

Description	2020 Rs.	2019 Rs.
Creditors Ledger Control A/C (C L C)	1,002,909.39	6,151,641.71
<u>SUNDRY CREDITORS</u>		
Biometry Project - Climate Change on Rubber	5,637.68	5,637.68
Canteen Deposits	13,500.00	13,500.00
Carbon Market Project	118,108.57	118,108.57
Centre for Poverty Analysis	1,841.25	1,841.25
Contract Deposits	15,350.00	15,350.00
Divineguma B461	1,063,933.42	1,063,933.42
G.S.I.Mapping of Tea & Rubber Lands on Galle Dis.	155,000.00	155,000.00
Humate Plus Experiments	22,101.50	22,101.50
I.R.R.D.B.Plant Breeding Workshop	294,552.18	294,552.18
Insurance Claim Received	19,285.71	19,285.71
Intercropping Research (Sadaharitha Plantation)	87,243.75	87,243.75
Medical Fund Reserve RRI Staff	1,104.50	709.00
Moratuwa University	1,025,768.00	1,025,768.00
National Science Foundation NSF/RAP/2001/RRI/01	705.96	705.96
National Workers Congress	67,497.50	67,497.50
NSF - SIDA/98/EP01	95,014.85	95,014.85
Payee Tax	282,590.56	412,240.56
Plant Science Intercropping Unit (Essex U.K)	21,731.55	21,731.55
Ministers Visit	328,819.09	-
Postgraduate Institute of Peradeniya	24,640.00	24,640.00
Provident Fund Account - RDD	-	242,328.00
R.D.D.Kegalle	23,318.75	23,318.75
RDD (Salary Arrears)	92,837.57	92,837.57
RDD Nursery - Gampaha	45,000.00	45,000.00
RDD Staff Payments & Recoveries Control A/C	1,621.72	1,621.72
Receipt in Adv(Welfare)	595.00	595.00
Receipt in Advance (stamp)	271,645.00	271,645.00
Receipt-in -Advance A/C (J.I C.A)	208,297.09	208,297.09
Ru: Ban: Intercropping Programme Ecology UK (D F I D)	542,618.53	542,618.53
Staff Fire Wood A/C	10,813.24	10,813.24
Tender Deposits	2,864,399.69	4,262,480.81
Vitex Project	9,288.79	9,288.79
White root Diseases Research Project Sweden	25,717.80	25,717.80
Sundry Creditors	848,814.26	2,694,065.04
Creditors Clearance A/C	4,455,765.03	4,455,765.03
Staff Creditors	303,527.13	345,390.23
Sloar Assisted Sheet Rubber Dryer	275,000.00	275,000.00
Receipt In Advance - Sundries	16,338.28	16,338.28
Total	14,642,933.34	23,119,624.07
<u>PAYABLE</u>		
Abetment - Payable A/C	2,670.00	6,650.00
Retention Payable A/C	4,624,491.19	6,992,986.85
Lease Rental Payable A/C Kumarawatta, Narampola	5,693.20	5,693.20
Payable	4,632,854.39	7,005,330.05

SCHEDULE 09 -KURUWITA - PAYABLES

Description	<u>2020</u> <u>Rs.</u>	<u>2019</u> <u>Rs.</u>
Check Role Wagers - Kuruwita	1,346,640.00	1,057,580.00
Sri Lanka Telecom Ltd	7,242.71	4,699.84
EPF Payable	411,667.81	385,508.52
ETF Payable	56,136.54	52,569.38
Holiday Pay	704,680.00	703,170.00
Attendance Bonus	43,053.17	45,012.50
Dartonfield Group	-	704,446.05
Ceylon Electricity Board	32,362.52	30,139.17
L.K.S.Rubber Stores	-	31,060.00
Palawela Rubber Stores	35,300.00	10,250.00
Prasad Hardware	7,528.00	10,213.00
Kuruwita M.P.C.S	44,842.00	45,515.00
Vishwa Shakthi Welfare	-	38,400.00
Accrued expenditure	20,751.45	20,751.45
Un paid coins A/C	51,863.86	51,217.62
Sundry Creditors	50,360.00	29,080.00
Palanda Hardware	-	19,156.00
Personal Bank Loan	125,040.00	173,800.00
Nidahas Sewaka Sangamaya	-	120,810.00
Chamanex PLC	-	44,453.07
New kuruwita Traders	1,200.00	1,800.00
Society - Kuruwita	26,610.00	-
Total	2,965,278.06	3,579,631.60

DARTONFIELD ESTATE

SCHEDULE 10 - PAYABLES

Description	Rs. 2020	Rs. 2019
Attendance Bonus	124,100.00	131,800.00
Agalawatta Auto Service	15,120.00	23,150.00
C.P.M.S.U.	2,100.00	14,300.00
C.S.C.& W.U.	-	570.00
Chanlo Hardware	8,265.00	30,655.00
Check Roll Debts	4,683,780.00	5,029,490.00
Commission on Cash Transport	145,187.72	115,156.49
E.P.F.	1,467,974.76	1,486,396.52
E.T.F.	200,178.39	202,690.47
L.J.E.W.U.	6,900.00	32,232.00
Holiday Pay	2,209,141.12	2,113,532.52
Janatha Fertilizer Enterprises	298,577.50	298,577.50
Kovil Fund - Dartonfield	3,500.00	18,000.00
Kovil Fund - Galewatta	28,700.00	25,400.00
National Savings Bank	5,025.00	21,300.00
New Paper Agent	1,090.00	3,410.00
NUW	466.66	1,200.00
PND Construction Pvt Ltd	8,050.00	8,050.00
Poly pac secco Ltd.	688,781.28	688,781.28
Fund Recevable from Model Estate Project	466,953.68	-
Welfare Society	5,400.00	15,800.00
Unpaid Wages	260,862.35	226,343.96
Refundable Deposits	42,796.00	42,796.00
RRI Canteen	13,490.00	13,490.00
Samaranayaka & Samaranayaka	500.00	500.00
Sri Lanka Nidahas Sewaka San	750.00	4,650.00
State Mortgage Bank	80,290.00	80,290.00
Sundry Creditors	170,167.41	41,540.00
Unpaid coins	3,877.34	3,736.86
Vishwashakthi Welfere	23,900.00	44,400.00
Bus Fair deduct	1,950.00	-
Wijegunawardana & Sons	18,235.00	59,530.00
Chemenex PLC	140,065.44	32,559.10
Personal Loan Staff	2,766.87	2,766.87
Welfare Society GW	9,200.00	43,200.00
Checkroll - Polgahawela	310,440.00	-
Narampola EPF Payable	59,595.80	-
Narampola ETF Payables	8,126.70	-
Narampola Union	3,900.00	-
	11,520,204.02	10,856,294.57

Schedule 11**Accrued Expenses**

Description	Rs.	Rs.
	2020	2019
Accrued Expenses	3,830,862.51	4,828,925.52
Suppliers Payable A/C	3,709,001.50	7,362,977.08
Contract Payable A/C	16,527,106.69	37,027,564.96
Other Paybles	66,100.00	6,631.00
B.O.C.-Agalawatta-ARC	26,832.71	26,832.71
Cancelled Cheque - Payble A/C	12,306.00	12,306.00
Cost of Living Payble A/C -2006-2011	-	480,860.00
Dialog Axiata PLC-ARC	4,489.55	4,489.55
E.P.F.-ARC	2,861.42	2,861.42
Kanrich Finance Ltd	9,000.00	9,000.00
Mr.L.P.P.Vitharana-ARC	1,800.00	1,800.00
Mr.R.A.D.Ranawake-ARC	15,799.82	15,799.82
Mrs.W.D.D.Prasadini-ARC	3,000.00	3,000.00
Newchatel Estate-Neboda-ARC	229,513.70	229,513.70
Receipt in Advance - Insurance	317,011.93	-
	24,755,685.83	50,012,561.76

Schedule 12 **OTHER CAPITAL GRANTS**
Other Capital Grants

Accumulated Fund	Value as at 31.12.2019 Rs.	Value as at 31.12.2020 Rs.
O.D.A. Grant	5,606.79	5,606.79
Government Grant	1,556,097.28	1,556,097.28
Australian Grant	165,221.00	165,221.00
World Bank Grant	4,739,779.82	4,739,779.82
UNDP Grant	2,571,866.95	2,571,866.95
UNICEF Grant	10,000.00	10,000.00
CRI /TRI Grant	334,058.64	334,058.64
NARESA Grant	1,345,912.39	1,345,912.39
UNDP Research Grant	2,510,441.46	2,510,441.46
Tea Board Grant	445,343.40	445,343.40
SRRP I Grant	12,624.52	12,624.52
ARP Project	4,578,055.64	4,578,055.64
CARP Grant	54,738.94	54,738.94
Treasury Grant (Motor Vehicles)	15,375,000.00	15,375,000.00
Medicinal Plant Project Grant	15,624.46	15,624.46
NERESA Grant	5,600.00	5,600.00
SRRP II - Grant	7,644,391.73	7,644,391.73
Treasury Grant (Capital)	8,893,721.84	8,893,721.84
N.S.F. Grant	1,487,616.70	1,487,616.70
D.F.I.D. Grant	49,151.93	49,151.93
Staff Grant Comfort room	10,272.93	10,272.93
European Union Grant	9,693.90	9,693.90
Centre for Poverty	2,221.03	2,221.03
Environment Project Phase II	3,489.70	3,489.70
Climate Change Project	3,445.16	3,445.16
3rd Symposium Grant	24,621.87	24,621.87
A.F.National Research Council	329,781.12	329,781.12
Divineguma	545,240.32	545,240.32
International Foundation for Science	73,536.00	73,536.00
Agricultural Research	12,542,595.30	12,542,595.30
Special Project Other Grant	8,958,000.00	8,958,000.00
NSF and Other Grants (Total)- Note 38A	6,804,800.84	6,804,800.84
Special Capital Project - MPI- Note 38B	246,391,048.83	246,391,048.83
	327,499,600.49	327,499,600.49

***Labour rates and break down of cost of production from 2016 to 2020 (Rs/Kg) in
Dartonfield estate***

	2016	2017	2018	2019	2020
1. Labour rate	687.50 up to Sept. and 805 from Oct.	805.00	805.00	805.00 up to Jan. and 855.00 from Feb.	855.00
2. Cost of production	241.13	280.55	268.43	330.91	300.90
2.1 Tapping cost	116.46	122.27	115.63	139.94	138.17
2.2 Manufacturing	32.35	34.47	33.08	35.35	38.94
2.3 General charges	74.43	97.29	98.10	124.18	94.87
2.4 Field & cultivation cost	17.89	26.02	21.62	31.44	28.92
3. N.S.A.	234.84	319.00	255.44	276.22	333.73
4. Profit per kg	(6.29)	38.45	(12.99)	(54.69)	32.83

***Labour rates and break down of cost of production from 2016 to 2020 (Rs/kg) in
Kuruwita estate***

	2016	2017	2018	2019	2020
Labour rate	687.50 up to Sept. and 805 from Oct.	805.00	805.00	805.00 up to Jan. and 855.00 from Feb.	855.00
Cost of production	179.27	250.01	279.36	337.71	292.36
Tapping cost	89.65	99.08	108.80	134.74	137.41
Manufacturing	21.49	32.65	36.33	33.11	37.12
General chargers	54.48	92.38	97.16	135.40	89.49
Field & cultivation cost	13.65	25.90	37.07	34.47	28.35
N.S.A	217.11	294.18	244.89	263.54	311.69
Profit per kg.	37.84	44.17	(34.47)	(74.17)	19.33

My No: PLA/C/RRB/20/01

Date; 07 December 2021

Chairman
Rubber Research Board of Sri Lanka

Report of the Auditor General on the Financial Statements and Other Legal and Regulatory Requirements of the Rubber Research Board of Sri Lanka for the year ended 31 December 2020 in terms of Section 12 of the National Audit Act, No. 19 of 2018

1. Financial Statements

1.1 Qualified Opinion

The audit of the financial statements of the Rubber Research Board of Sri Lanka for the year ended 31 December 2020 comprising the statement of financial position as at 31 December 2020 and the statement of financial performance, statement of changes in equity and cash flow statement for the year then ended, and notes to the financial statements, including a summary of significant accounting policies, was carried out under my direction in pursuance of provisions in Article 154 (1) of the Constitution of the Democratic Socialist Republic of Sri Lanka read in conjunction with provisions of the National Audit Act No. 19 of 2018 and Finance Act No. 38 of 1971. My report to Parliament in pursuance of provisions in Article 154 (6) of the Constitution will be tabled in due course.

In my opinion, except for the effects of the matters described in the basis for Qualified Opinion section of my report, the accompanying financial statements give a true and fair view of the financial position of the Board as at 31 December 2020, and of its cash flows for the year then ended in accordance with Sri Lanka Public Sector Accounting Standards.

1.2 Basis for Qualified Opinion

- (a) Although a sum of Rs. 4,237,430 had been indicated in the financial statements as the nominal value of 431.78 hectares of lands owned by the Board, the lands had not been revalued and the fair value of the lands had not been included in the financial statements.
- (b) Although the value of closing stocks should be valued at the lower of cost or net realizable value and indicated in the financial statements in terms of paragraph 15 of the Sri Lanka Public Sector Accounting Standards No. 09, the value of closing stock had been indicated in the

financial statements on the book value amounting to Rs.7,316,611 without considering the net realizable value of the stocks.

I conducted my audit in accordance with Sri Lanka Auditing Standards (SLAuSs). My responsibilities, under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of my report. I believe that the audit evidence I have obtained is sufficient and appropriate to provide a basis for my qualified opinion.

1.3 Other Information included in the Annual Report 2020 of the Board

Other information means the information that was obtained by me prior to the date of this audit report and included in the Annual Report - 2020 of the Board, but not included in the financial statements and in my audit report prepared in relation to those financial statements. Management is responsible for the other information.

My opinion on financial statements does not cover other information and I do not express any kind of assurance or opinion on it.

In relation to my audit on the financial statements, my responsibility is to read the other information identified above when such information is available and to consider in reading so as to whether other information is materially inconsistent with the financial statements or according to my knowledge obtained during the audit or otherwise.

If I conclude that there are material misstatements in the other information based on the other information obtained by me prior to the date of this audit report and based on the activities carried out by me, I should report that matters. I have nothing to report in this regard.

1.4 Responsibilities of Management and Those Charged with Governance for the Financial Statements

Management is responsible for the preparation of financial statements that give a true and fair view in accordance with Sri Lanka Public Sector Accounting Standards, and for such internal control as management determine is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is responsible for assessing the Board's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Board or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the Board's financial reporting process.

As per Section 16 (1) of the National Audit Act No. 19 of 2018, the Board is required to maintain proper books and records of all its income, expenditure, assets and liabilities, to enable annual and periodic financial statements to be prepared of the Board.

1.5 Auditor's Responsibilities for the Audit of the Financial Statements

My objective is to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes my opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with Sri Lanka Auditing Standards will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with Sri Lanka Auditing Standards, I exercise professional judgment and maintain professional scepticism throughout the audit. I also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for my opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Board's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by the management.
- Conclude on the appropriateness of the management's use of the going concern basis of accounting and based on the audit evidence

obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Board's ability to continue as a going concern. If I conclude that a material uncertainty exists, I am required to draw attention in my auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify my opinion. My conclusions are based on the audit evidence obtained up to the date of my auditor's report. However, future events or conditions may cause the Board to cease to continue as a going concern.

- Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

I communicate with those charged with governance regarding, among other matters, significant audit findings, including any significant deficiencies in internal control that I identify during my audit.

2 Report on Other Legal and Regulatory Requirements

2.1 National Audit Act, No. 19 of 2018 includes specific provisions for following requirements.

2.1.1 I have obtained all the information and explanation that are required for the audit and as far as appears from my examination, proper accounting records have been kept by the Board as per the requirement of section 12 (a) of the National Audit Act, No. 19 of 2018.

2.1.2 The financial statements presented is consistent with the preceding year as per the requirement of section 6 (1) (d) (iii) of the National Audit Act, No. 19 of 2018.

2.1.3 The financial statements presented includes all the recommendations made by me in the previous year as per the requirement of section 6 (1) (d) (iv) of the National Audit Act, No. 19 of 2018.

2.2 Based on the procedures performed and evidence obtained were limited to matters that are material, nothing has come to my attention.

2.2.1 to state that any member of the governing body of the Board has any direct or indirect interest in any contract entered into by the Board which are out of the normal cause of business as per the requirement of section 12 (d) of the National Audit Act, No. 19 of 2018.

- 2.2.2 to state that the Board has not complied with any applicable written law, general and special directions issued by the governing body of the Board as per the requirement of section 12 (f) of the National Audit Act, No. 19 of 2018 except for;

Reference to Laws, Rules / Provisions	Non -Compliance
(a) Section 4:7 of Chapter XV of the Establishments Code of the Democratic Socialist Republic of Sri Lanka	A balance totalling to Rs. 3,509,706, recoverable to the Board for a period from 29 to 03 years from 04 officers, who had violated Conditions of the Bond after obtaining paid leave and gone abroad for studies had not been recovered from the relevant scholarship holders.
(b) Assets Management Circular No. 01/2018 of 19 March 2018 of the Secretary of the General Treasury	Although a period of 01 year to 07 years had passed after removing 07 vehicles, which were old for a period of 39 to 30 years and of which the estimated value was Rs.4,900,000, from the usage, action had not been taken to dispose of those vehicles.

- 2.2.3 to state that the Board has not performed according to its powers, functions and duties as per the requirement of section 12 (g) of the National Audit Act, No. 19 of 2018.

- 2.2.4 to state that the resources of the Board had not been procured and utilized economically, efficiently and effectively within the time frames and in compliance with the applicable laws as per the requirement of section 12 (h) of the National Audit Act, No. 19 of 2018.

2.3 Other Matters

- (a) Although office buildings had been constructed by the Board by incurring a sum of Rs.16,301,964 in Sub Centres namely, Kumarawatte of Monaragala and Narammala Watte of Polgahawela, those lands have not yet been legally transferred to the Board.
- (b) Nineteen (19) debtor balances of the Board amounting to a total value of Rs. 5,883,524 outstanding for more than 05 years had been written

off from the books without obtaining the approval of the Board of Directors and the approval of the General Treasury. This writing off had not been disclosed even by a note in the financial statement.

- (c) The Board had planned to implement 07 special projects during the period of 2016-2022 and had allocated provision amounting to Rs. 199.95 million for that purpose. Provision amounting to Rs. 54.65 million had been allocated for the year under review to implement those projects and the performance of 03 projects, for which Rs. 5.63 million had been allocated had not been submitted as per the Performance Report.
- (d) There had been 43 vacancies related to research activities of the Board even by 30 October 2020 as 10 Posts of Principal Research Officer, 16 Posts of Senior Research Officer, 10 Posts of Research Officer, 02 Posts of Senior Advisory Officers, 02 Posts of Advisory Officers and 03 Posts of Research Officers. Therefore, it was an impediment to the conduct of research activities, which is the primary objective of the Board.

W.P.C. Wickramaratne
Auditor General