



Ministry of Sustainable Development and Wildlife
Department of National Botanic Gardens
Annual Performance Report
2015





Department of National Botanic Gardens

Annual Performance Report 2015

**Department of National Botanic Gardens
P.O.B.14,Peradeniya**

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1. Introduction

Department of National Botanic Gardens is the pioneer institution with regard to the botanic activities in Sri Lanka. It provides a vast contribution for ex-situ conservation of plants education based on plants, implementation of research and technological programmes to develop floriculture in Sri Lanka.

The main Botanic Gardens including the Royal Botanic Gardens Peradeniya (1821), Hakgala Botanic Gardens (1861), Henarathgoda Botanic Gardens, Gampaha (1876) were established by the British and apart from that Medicinal Plant Gardens, Ganewatta was established in 1950s, Mirijjawila Dry Zone Botanic Gardens, Hambantota and Seethawaka Wet Zone Botanic Gardens, Avissawella were opened to the public in 2013 and 2015 respectively as new Botanic Gardens designed with local expertise.

More than 4500 plant species have been conserved in the Botanic Gardens under the Department of National Botanic Gardens and rare plants, endangered plants from forests, endemic plants only in Sri Lanka, have also been conserved in these Botanic Gardens. Besides the Botanic Gardens, the Medicinal Plant Garden, Ganewatta has contributed to conserve medicinal plants in Sri Lanka.

The National Herbarium of the Department of National Botanic Gardens carry out plant authentications work and research programmes in plant taxonomy and other aspects of botanical sciences. The Floriculture Development and Research Unit focuses on floriculture research as well as support and encourage viable ventures for floriculture promotion in the country via floriculture development activities. The Education and Training Centre offers training and educational programmes including short term courses one year and two year duration diploma courses. Botanic Gardens of Sri Lanka also provide an leisure where plants from around the world depict the diversity and beauty of the plant kingdom, share knowledge and expertise in conservation, biodiversity and floriculture.

1.2 .Vision

To become scientifically and aesthetically fine Botanic Gardens in the Tropics.

1.3 Mission

Provide opportunity for public to study sustainably conserve and admire plant resources in national and manmade environment.

1.4 Main functions

1. Planning and implementation of ex-situ conservation strategies for the conservation of Sri Lankan plant diversity.
2. Carry out activities to disseminate authentic information and technical expertise on plants and plant related industries of Sri Lanka using educational and communication strategies.
3. Conduct diverse research and implement technologies to develop floriculture industry in Sri Lanka.
4. Management and development of National Botanic Gardens at high standards.
5. Prepare development plans for the establishment of new botanic gardens in appropriate places.
6. Plan and implement research and technical programmes needed to popularize Amenity Horticulture in Sri Lanka.
7. Provide technical advice to conserve Sri Lankan plants of historic importance.
8. Maintaining the health of the sacred Bo-tree (Sri Maha Bhodhi) at Anuradhapura.

1.5 Staff Details

Approved Cadre for the Department is 749 and 648 officers are in active service for the date of 2015.12.31. A brief description is as follows;

1.5.1

Category	Salary Method	Employees/ Designation	Approved Cadre	Actual Cadre
Senior Level	SL – 3 SL- 1	Sri Lanka Scientific Service Sri Lanka Administrative Service Sri Lanka Accountants' Service Sri Lanka Engineering Service Sri Lanka Architects Service	33	15
Tertiary level	MN – 7 MN – 6	The Administrative officer Sri Lanka Technical Service- Special Grade Government Translators- Government Translator's Service	09	05
Secondary level	MN – 4 MN – 3 MN – 1 MT – 1	Programme Assistant /Development Officer Agriculture Monitoring Officer Agriculture Instructor Garden Development Assistant Research Assistant Technical Officer Public Management Assistant Service Assistant Charge Collector Audio Visual Assistant Information Technology Assistant Garden Forman	186	113
			Sri Lanka Technical Service	
Primary Level	PL – 1 PL – 2 PL – 3	Unskilled Semi Skilled Skilled	521	515
Total			749	648

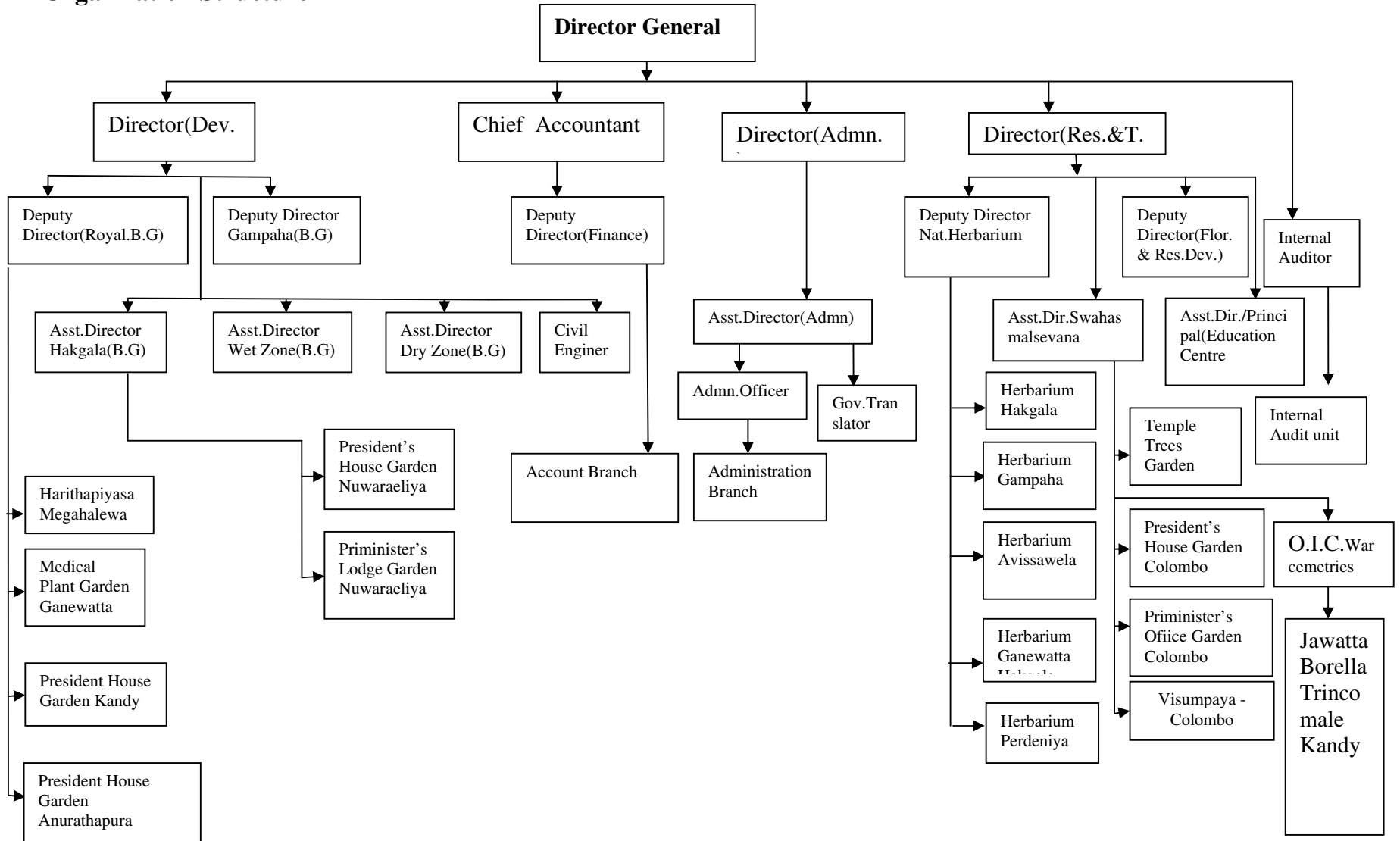
1.5.2. Senior Staff of the Department

Designation	Name of the Officer
Director General	Dr.D.H.P. Peramunugama
Director (Development)	Mr.K.N.Yapa
Director (Research and Technology Transfer)	Dr(Mrs)Shelomi A Krishnaraja
Director (Administration)	Mrs.I.W.M.C.K.Illangakoon
Chief Accountant	Mr.W.T.U.De Mel
Civil Engineer	Mr.A.L.M. Mahir
Deputy Director	Mrs.N.T.Liyanage
Assistant Director (Administration)	Mr.Y.M.Y.Yapa Bandara
Administrative Officer	Mr.N.W.U.R.Jayalath

1.5.3. Other Senior Staff of the Department

Designation	Name of the Officer
Deputy Director , Royal Botanic Gardens, Peradeniya	Dr.(Mrs.)A.M.A.S.Attanayake
Deputy Director (Floriculture Research)	Mrs.Chandirika Jayaweera
Assistant Director (Garden Assistant's office, Narahenpita)	Mrs.R.S.W.Gomaz
Research Officer/ Deputy Director (National Herbarium)	Mrs.R.A.S.W.Ranasinghe
Assistant Director (Seethawaka Wet Zone Botanic Gardens)	Mr.P.D.S.Wijerathna

1.6 Organization Structure



(Admn.) :-Administration, (Dev.):-Development, (B.G.):- Botanic Garden, (Res.&T.T) :- Research & Technology Transfer, (Flor.& Res.Dev.):-Floriculture Research & Development,

1.7 Institutes and units under the Department

Royal Botanic Gardens, Peradeniya

Being established in 1821 the Royal Botanic Gardens, Peradeniya plays a key role in conservation of plants and in the education of the people on plants while contributing to the economic and environmental development in Sri Lanka.

The 61.25 hectares garden situated near Kandy is popular as a place for education, botanical research, ecology and horticulture as well as for recreation.

National Herbarium

The National Herbarium is the place where dried herbarium specimens of the flora of Sri Lanka and many other specimens of exotic and cultivated plant species are preserved for systematic studies. Nearly 160,000 herbarium specimens are conserved at appropriate conditions for reference purposes. About 3,500 books, periodicals and a historical collections of botanical illustrations related to flora are also found in this herbarium.

The collection of plant specimens at the Herbarium serve for variety of purposes such as Taxonomic Research, Bio Diversity Research and Plant Identifications.

Henerathgoda Botanic Gardens, Gampaha

Henerathgoda Botanic Gardens, Gampaha established in 1876 for introduction of rubber to Sri Lanka, posses an array of botanical and horticultural attractions with a rich history. It is situated in Gampaha and the total extent is 43 acres. This garden consists of an important plant collection of about 2000 plant species of Sri Lanka and from other countries.

Floriculture Research and Development Unit

The Floriculture Research and Development Unit is mandated to conduct research programmes related to floriculture and also contribute to the development of the sector in Sri Lanka.

The unit actively engages in providing training programmes, on-site advisory services, information on investment opportunities in the sector and providing assistance in the form of materials, equipment and quality planting materials for growers towards the development of the sector.

Ganewatta Medicinal Plant Gardens

Medicinal Plant Gardens, Ganewatta is situated in the North Western Province in Kurunegala District. This 52 acres garden is home to a wide range of medicinal plant

Ganewatta Medicinal Plant Gardens engages in cultivating and trade in medicinal plants while conserving the rare species which are not easily available and demonstrating systematic plantation of medicinal plants.

Mirijjawila Dry Zone Botanic Gardens

The Mirijjawila Dry Zone Botanic Gardens is the first botanic gardens in Sri Lanka designed by the local experts after 130 years. The garden is 300 acres in extent. It is located in the Hambantota District in Southern Province.

The main purposes of the garden are to conserve Dry and Arid Zone plants ex-situ, to conduct studies on plants and promote economic development in the area.

Seethawaka Wet Zone Botanic Gardens

This botanic garden is situated near Avissawella and development started during 2008. The Botanic Garden is 105 acres in extent and was opened to the public in March, 2015 with the purposes of ex-situ conservation of wet lowland plants.

Suwahas Mal Sevana, Colombo

Located in the strategic place like Narahenpita it is a key unit of the department involved in marketing of floriculture products of growers organized under the “Suwahas Mal” National Floriculture Development Programme.

Presidential Gardens of His Excellency the President and the Honourable Prime Minister.

The Department maintains the Residential gardens of His Excellency the President in Colombo, Kandy, Nuwara-Eliya, Anuradhapura and residential gardens of Honourable Prime Minister in Colombo and Nuwara-Eliya

Commonwealth War Graves

Commonwealth war cemeteries located in Kandy, Jawatte, Borella and Trincomalee for commemoration of military service members of commonwealth countries who died in the First World War and the Second World War are managed by the Department.

Haritha Piyasa Meegallawa

Meegallawa Haritha Piyasa is situated in the North –Western province about 60 miles away from Kurunegala and currently in extent 6 acres. It is under development and will operate as a training centre to provide training for the internal staff as well as for local communities on floriculture and will also operate as a plant propagation centre.

Hakgala Botanic Gardens

Botanic Garden at Hakgala, established in 1861, is the second largest Botanic garden in the island.

The flora of the gardens is distinctly sub tropical and consists of representatives of the indigenous, montane flora mix together with those introduced from other consists, systematically planted in various sections of the gardens.

2. Achievements in year 2015

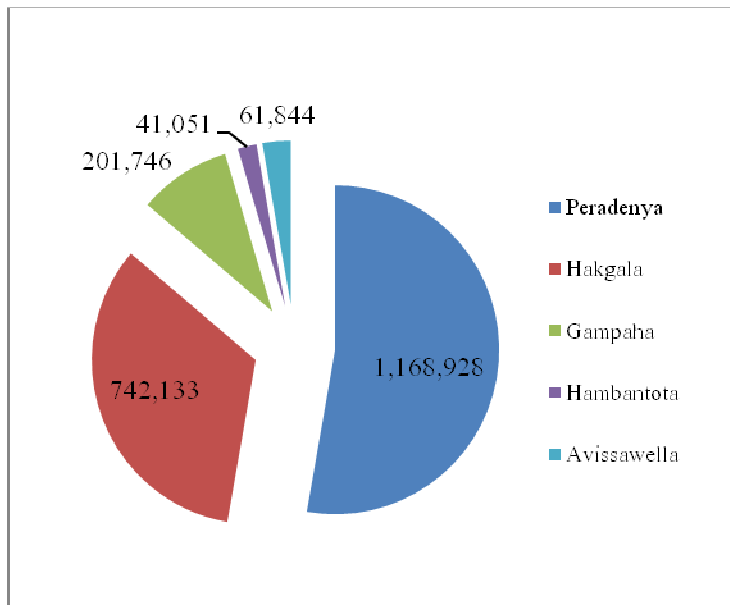
2.1 Visitation

All units attached to the Department of National Botanic Gardens were maintained at high standards during the year 2015.

The total amount of the visitors to the Botanic Gardens is 2,623,255 during this year. Among these visitors 2,215,702 are locals and 407,553 are foreigners.

The number of local visitors to the botanic gardens in 2015 shows 18% increase and foreign visitors to the botanic gardens shows a 17% increase when compared to the year 2014.

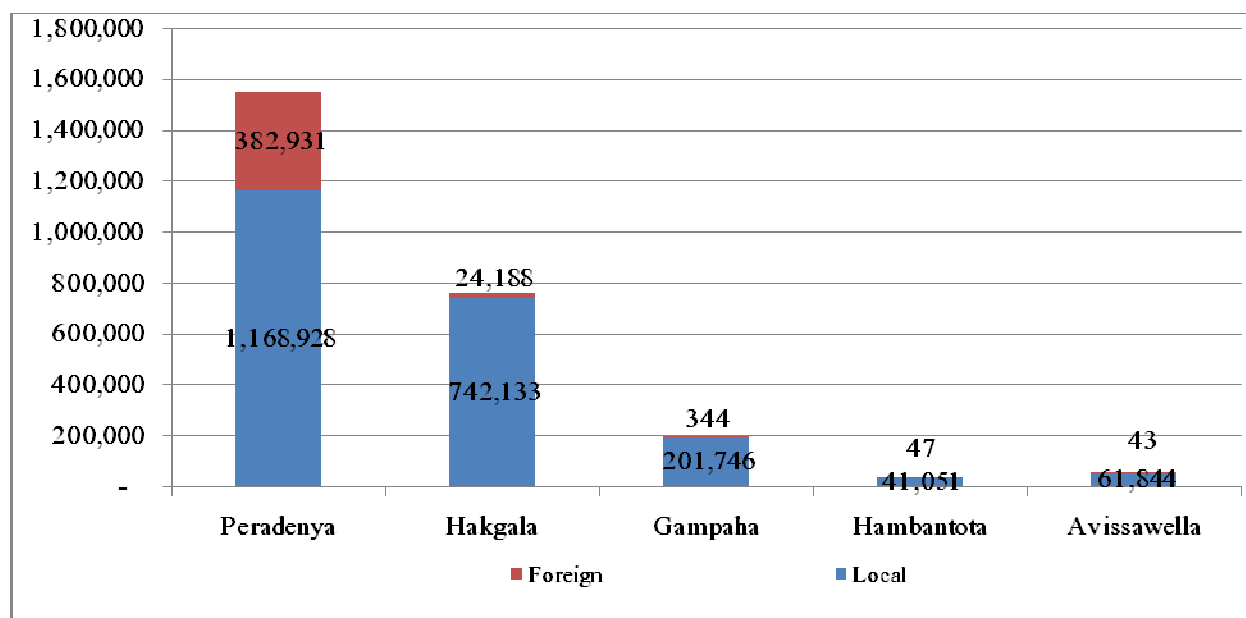
2.2. Total visitor arrivals to the gardens during year 2105



2.2. Visitations to the Botanic Gardens from 2011 upto 2015

Description	Year				
	2011	2012	2013	2014	2015
Local visitors	1,862,222	1,931,914	1,783,069	1,893,522	2,215,702
Foreign visitors	236,763	259,545	293,454	345,468	407,553
Total	2,098,985	2,191,459	2,076,523	2,238,990	2,623,255

2.3. Total Foreign and Local visitors to the Botanic Gardens in 2015



2.4. Visitor Information at the Botanic Gardens in 2015

Visitor Category	Peradeniya	Hakgala	Gampaha	Mirijjawila	Seethawaka	Total
Local Adults	859,664	537,803	183,520	25,459	51,331	1,657,777
Local Children	299,705	196,624	17,149	13,727	8,024	535,229
Senor Citizens	9,559	7,706	1,077	1,865	2,489	22,696
Total Local Visitors	1,168,928	742,133	201,746	41,051	61,844	2,215,702
Foreign Adults	358,071	21,825	314	42	33	380,285
Foreign Children	18,544	2,015	12	1	3	20,575
Foreign Students	6,316	348	18	4	7	6,693
Total Foreign Visitors	382,931	24,188	344	47	43	407,553
Total Number of Visitors	1,551,859	766,321	202,090	41,098	61,887	2,623,255

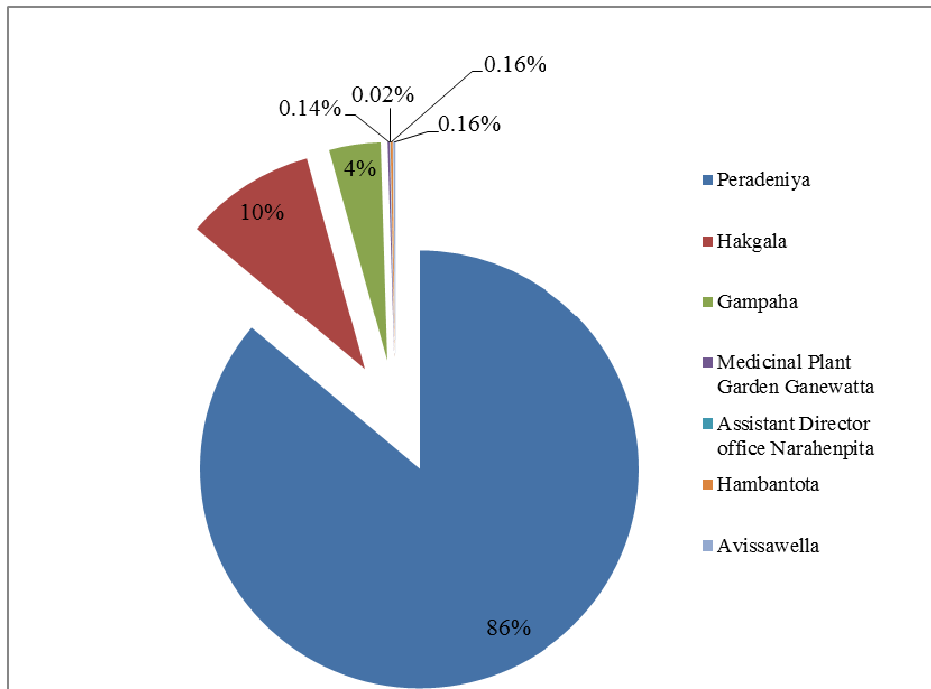
3. Revenue

The total revenue earned from admission fees, plants sales etc, is Rs. 568.4 million (revenue earned from visitors to the gardens is Rs.523.6 Mn, plant sales and other sources is Rs.44.8 Mn.) Revenue of the Botanic Gardens shows 18% increase when compared to the last year.

3.1. Total Revenue from visitations to the Department of National Botanic gardens from year 2011 to 2015

Description	Year				
	2011	2012	2013	2014	2015
Revenue from local visitors(Rs.Mn.)	75.1	77.6	73	75.9	88.5
Revenue from foreign visitors(Rs.Mn.)	253.9	279	314.9	369.8	435.1
Total (Rs.Mn.)	329.0	356.6	387.9	445.7	523.6

3.2. Total revenue of the Botanic Gardens and allied Units in 2015 (%)



3.3. Total Revenue of the Department as Units

Unit	Total Revenue (Rs.)
Royal Botanic Gardens, Peradeniya	479,036,738.72
Botanic Gardens Hakgala	59,194,023.30
Botanic Gardens , Gampaha	19,174,752.50
Medicinal Plant Gardens, Ganewatta	1,530,132.50
Dry Zone Botanic Gardens ,Hambantota	3,261,651.06
Wet Zone Botanic Gardens , Avissawella	5,966,821.00
“Suwahas Mal Sevana” Plant Nursery, Battaramulla	241,345.00
Total	568,405,464.08

4. Financial Progress

Development activities were carried out as scheduled in Botanic Gardens and allied units, achieving a financial progress of 97% in 2015.

4.1 Expenditure Description in 2015

Description	Total Provision (Rs.Mn.)	Total Expenditure (Rs.)	%
Capital Expenditure	369.3	349.2	95%
Recurrent Expenditure	337.211	334.8	99%

4.2. Recurrent Expenditure

Object Code	Object detail	Provision 2015 (Rs.)	Total Expenditure 2015 (Rs.)	Net expenditure	Balance Provision (Rs.)	%
RECURRENT EXPENDITURE						
	Personal Emoluments	280,301,000.00	277,185,027.16	276,810.084	3,490.916	99%
1001	Salaries & wages	115,337,000.00	114,537,071.73	114,214.054	1,122.946	99%
1002	Over time and Holiday pay	5,000,000.00	4,150,794.66	4,150.251	849.749	83%
1003	Other Allowances	159,964,000.00	158,497,160.77	158,445.779	1,518.221	99%

Object Code	Object detail	Provision 2015 (Rs.)	Total Expenditure 2015 (Rs.)	Net expenditure	Balance Provision (Rs.)	%
RECURRENT EXPENDITURE						
	Traveling expenses	1,850,000.00	1,768,474.44	1,767.090	82.910	95%
1101	Domestic	1,500,000.00	1,419,494.19	1,418.110	81.890	94%
1102	Foreign	350,000.00	348,980.25	348.980	1.020	100%
	Supplies	7,860,000.00	7,893,835.69	7,841.186	18.814	100%
1201	Stationary and office requisites	700,000.00	699,385.06	699.385	0.615	100%
1202	Fuel	3,210,000.00	3,245,955.70	3,193.306	16.694	100%
1203	Diets and uniform	250,000.00	249,146.20	249.146	0.854	100%
1205	Other	3,700,000.00	3,699,348.73	3,699.349	0.651	100%
	Maintenance Expenditure	3,250,000.00	3,064,578.26	3,045.616	204.384	94%
1301	Vehicles	2,000,000.00	1,845,074.24	1,826.112	173.888	91%
1302	Plant Machinery and Equipment	600,000.00	570,996.48	570.996	29.003	95%
1303	Building and Structures	650,000.00	648,507.54	648.507	1.492	100%
	Services	42,550,000.00	43,449,784.84	41,925.191	624.809	99%
1401	Transport	900,000.00	694,087.00	694.087	205.913	77%
1402	Postal & communication	1,600,000.00	1,581,358.39	1,564.037	35.963	98%
1403	Electricity & Water	5,400,000.00	6,536,351.52	5,029.479	370.521	93%
1404	Rents & Local Taxes	700,000.00	699,949.05	699.949	0.051	100%
1405	Other Services	33,950,000.00	33,938,038.88	33,937.639	12,361.12	100%
	Transfers	1,400,000.00	1,400,000.00	1,400.000	0.00	100%
1506	Property Loan Interest	1,400,000.00	1,400,000.00	1,400.000	0.00	100%
Total Recurrent expenditure		337,211,000.00	334,761,700.39	334,761,700.39	4,421,833.06	99%

4.3. Capital Expenditure

Sub Project	Object Code	Object Details	Provision 2015 (Rs.)	Total Expenditure 2015 (Rs.)	Net Expenditure	Balance Provision (Rs.)	%
		Rehabilitation of Building and structures	4,350,000.00	4,091,327.19	4,091,327.19	258,672.81	94.1%
0	2001	Building and Structures	3,000,000.00	2,895,710.53	2,895,710.53	104,289.47	96.5%
0	2002	Plant, Machinery and Equipment	550,000.00	493,635.66	493,635.66	56,364.34	89.8%
0	2003	Vehicles	800,000.00	701,981.00	701,981.00	98,019.00	87.7%
		Acquisition of Capital Assets	8,650,000.00	7,753,138.25	7,753,138.25	896,861.75	89.6%
0	2102	Furniture and Office Equipment	600,000.00	580,409.75	580,409.75	19,590.25	96.7%
0	2103	Plant, machinery and	550,000.00	541,582.75	541,582.75	8,417.25	98.5%
0	2104	Buildings and structures	5,000,000.00	4,145,539.24	4,145,539.24	854,460.76	82.9%
0	2105	Land and land Improvements	2,500,000.00	2,485,606.51	2,485,606.51	14,393.49	99.4%
		Capital Transfers					
0	2201	Botanic Garden Trust Fund	100,000,000.00	100,000,000.00	100,000,000.00	0.00	100.0%
0	2401	Training and Capacity Building	300,000.00	237,260.00	237,260.00	62,740.00	79.1%
		Special Projects					

Sub Project	Object Code	Object Details	Provision 2015 (Rs.)	Total Expenditure 2015 (Rs.)	Net Expenditure	Balance Provision (Rs.)	%
1	2105	Ganewatta Medicinal Plant Garden and Gampaha Botanic Garden	35,000,000.00	34,907,638.53	34,907,638.53	92,361.47	99.7%
2	2105	Floriculture Development Programme	30,000,000.00	33,183,755.55	29,954,076.29	45,923.71	99.8%
3	2105	Dry Zone Botanic Gardens, Ham bantota	130,000,000.00	117,750,585.29	117,750,585.29	12,249,414.71	90.6%
4	2105	Wet Zone Botanic Garden, Avissawella	40,000,000.00	36,716,776.88	36,670,172.63	3,329,827.37	91.7%
6	2105	Floriculture Promotion Programmes	5,000,000.00	5,015,170.70	4,898,575.70	101,424.30	98.0%
7	2105	Haritha Piyasa Training Centre, Meegallewa	7,000,000.00	6,999,425.17	6,984,910.39	15,089.61	99.8%
8	2105	Botanical Survey	1,000,000.00	1,005,811.79	997,311.79	2,688.21	99.7%
9	2105	Establishing new Botanic Garden in Northern Province	3,000,000.00	0.00	0.00	3,000,000.00	0.0%
10	2105	Floriculture and Dayata Kirula exhibition activities	5,000,000.00	5,003,316.33	4,977,431.96	22,568.04	99.5%
Total			369,300,000.00	352,664,205.68	349,222,428.02	20,077,571.98	94.6%

4.4. Provision and Expenditure Allocated to the Department for 2015

Programme	Government consolidated provision allocated in 2015 (Rs.Mn.)	Government consolidated provision expenditure in 2015 (Rs.Mn.)	Provision allocated under Botanic Gardens trust fund in 2015 (Rs.Mn.)	Expenditure under Botanic Gardens trust fund in 2015 (Rs.Mn.)
Development of Royal Botanic Gardens, Peradeniya	7.5	7.04	32.25	26.15
Development of Gampaha Botanic Gardens	23.415	22.94	5.5	5.11
Development of Hakgala Botanic Garden	2.85	2.95	8.83	6.76
Development of Medicinal Plant Garden, Ganewatta	12.5	12.34	0.00	0.00
Development of Haritha Piyasa Training Centre, Meegallewa	7	6.99	0.00	0.00
Education and Training	0.3	0.24	1.1	1.04
Herbarium and Plant Taxonomic Research	1.03	1	0.35	0.33
National floriculture Development, Promotion and exhibition Programme	40	39.83	0.00	0.00
Seethawaka Wet Zone Botanic Gardens, Avissawella	40	36.67	16	15.66
Mirijjawila Dry Zone Botanic Gardens, Hambantota	130	117.75	0.00	0.00
Establishing new Botanic Garden in Northern Province	3	0.00	0.00	0.00
Enhancement activities of the Head office	1.705	1.5	35.97	33.59
Total	269.3	249.2	100	88.64

5. Physical Progress of the Development Activities at the Botanic Gardens in 2015

5.1 Mirijjawila Dry Zone Botanic Gardens, Hambantota

Approved Provision : Rs. 130.Mn

Expenditure : Rs. 117.7Mn

Construction activities of two new toilet complex were carried to enhance the infrastructure and public facilities at the garden and 90% of construction activities have been completed. Upgrading roads with laying interlocks were carried out in some sections to improve the internal road system and 60% of activities scheduled for this year has been completed.

Apart from this, drinking water facilities were also established to enhance drinking water facilities for visitors.

Construction of plant house are in progress with the aim of enhancing the knowledge of the public specially on Dry Zone plants, familiarizing these plants among them and for their conservation and to exhibit shade loving and rare plants 60% of the development activities at outdoor Cactus House has also been completed.

New tickets counter with a fence has been established to facilitate visitors and to control illegal entrance to the garden.

Construction of security office has been completed to facilitate the security officers of the garden and four security huts have also been constructed for security purposes.

Construction of staff utility building with all the



Attractive scene of the garden



New entrance ticket counter with a fence has been constructed in the front entry part of the garden

facilities to accommodate workers and the technical officers in one premises is being carried out and 50 % percentage of construction activities have been completed.

Construction activities of two new quarters other than existing quarters were carried out. Construction of laboratory to enhance the floriculture development activities of the garden were carried out and 30% activities have been completed.

Apart from this, establishment activities of the electric Fence which was initiated in 2014 has been completed during this year.

Field development activities have been carried out to enhance the physical features of the garden. New machineries and equipment have been purchased for gardening and landscape activities, at the garden. foot paths avenues, shrub gardens were developed for enhancement of the garden features. Enhancement of living collection of the garden and upgrade facilities of the floriculture extension office have been carried out.



Construction outdoor cactus house



Construction of capacity building of the staff

Distribution of shade nets and planting materials among the growers of the area to empower the growers have been carried out and technical knowledge also provided through various workshops and training sessions to develop Floriculture in the area.

5.2 . Seethawaka Wet Zone Botanic Gardens, Avissawella.

Approved Provision :Rs. 40 Mn from capital expenditure and Rs. 16 Mn from Botanic Gardens Trust Fund.

Expenditure: Rs. 52.3Mn

Seethawaka Wet Zone Botanic Gardens Avissawella was opened to the public by the Hon. Minister Naven Dissanayake, Minister of Sports and Tourism on 25th March 2015.

After opening to the public maintenance and enhancement at public facilities were carried out at high standards and new facilities were also developed.

Construction activities of the view point have been carried out and 80% were completed. It facilitates the viewing the scenic beauty of the entire garden from higher elevation.

Construction activities of the new toilet have been completed to facilitate the visitors. Paddle boats were also introduced at the lake for entertainment of the visitors. Renovation activities of all buildings of the garden have been carried out. The necessity of the field office and store area was fulfilled by purchasing and establishing three modified containers in the garden.

Water supply system was established in the Rose Garden at the upper area of the garden and establishment of the fence has been completed.

Tenders have been awarded to the Building Department to develop two old buildings as official quarters in the newly



Attractive scene of the Garden



Garden was opened to the public

acquired area and construction activities are being carried out. the Road was upgraded and developed by filling the earth and paving with interlocks.

Establishing of Japanese Garden to enhance the landscape features of the garden is being carried out and construction activities have been planned for constructing of two summer houses. Road sign boards were established around the garden.

New machineries, equipment and garden instruments were purchased for garden landscaping activities , efficient maintenance of the garden.

Five acres of the Arboretum was maintained at high standards with the good maintenance .

5.3 Herbarium and Plant Taxonomic Research

Approved Provision: Rs. 1.03Mn from capital
Allocations. Rs. 0.35Mn from Botanic Gardens
Trust Fund Expenditure :Rs. 1.30Mn

Three day workshop was conducted on Lichen at Royal Botanic Gardens, Peradeniya from 5th to 7th of March, 2015 for promotion of the plant Taxonomy Research among young researcher. The workshop organized by the Herbarium



Three days workshop on Lichen

was conducted by Dr.Pat Wolseley of the Natural Science Museum in London , Dr. A. Aptroot of Herbarium in Netherland, Prof. Marcela Caceres from the Field Museum in Chikago and Dr. Gothami Weerakoon from University of Peradeniya and Dr. Ananda Jayalal from University of Sabragamuwa in the collaboration with Dilma Conservation Programme.

Workshops were also conducted on Bio Diversity conservation, as well as Herbarium Techniques and Management with the participation of 100 students at Mirijawila Dry Zone Botanic Gardens and the other were conduct for 100 Students and 20 students from Kandy, 100 students and 16 students from Kurunegala as well as 115 students and 20 teachers from the Matale District at the Education and Training Centre of Royal Botanic Gardens. School children were educated on Bio Diversity and its importance and the contribution of the Herbarium towards Bio Diversity conservation.

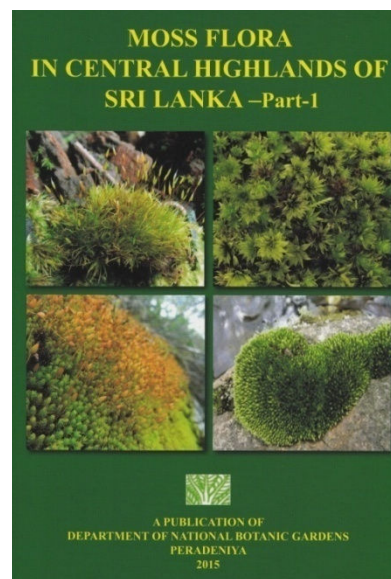


Conducting lectures and training Programmes for School children related on Bio Diversity and Plants

Apart from the above workshops, lectures and training programmes were carried out on Herbarium Technique and management, Bio Diversity and plants for school children and 611 individuals from public and private sectors.

Plant conservation activities were also carried out during this year targeting threatened plants in Dry and Wet Zone under the botanical survey programme. Apart from this, plant exploration activities were carried out in Namunukula, Pidurutalagala and Thotupola Mountain ranges targeting collection of plants of higher altitudes.

23 field explorations were carried out under the Botanical survey programme and 954 flowering plant specimens, 36 ferns specimens and 73 Mosses plant specimens were collected. Threatened plant specimens were identified of which 34 endangered plants, 49 near threatened plants and 41 threatened plants were identified. Plant conservation activities were also carried out with plant ex-situ conservation activities and collected specimens were kept at National Herbarium for future reference.



“Moss Flora in Central Highlands of Sri Lanka”

“Moss Flora in Central Highlands of Sri Lanka” was published in this year and “Wild Flowers of Sri Lanka” is being printed for publication. Illustrations / common names, conservation methods and habitats 250 specimens are included in this book on wild flowers. Editing activities of the book “Common Wayside Trees of Sri Lanka” were carried out during this year. It consists of scientific information of illustrations, common names, conservation methods and habitats of wayside trees. Information of both those books are available in with translations Tamil and Sinhala Languages. 12 handouts were printed and published on threatened plants in Sri Lanka, Mosses, Algae, Ferns, Gymnosperms, lower plants and invasive plants.

Activities are being carried out to adding accession numbers to illustrations and specimens kept in National Herbarium to facilitate verifying of specimens and for studies .

Maintenance activities were carried out for herbarium specimens and library collection.

5.4 National Floriculture Programme

Approved provision: Rs. 40 Mn

Expenditure : Rs. 39.8 Mn

The Floriculture Development Programme was carried out to empower lower and middle level nurserymen (growers) in the floriculture sector and to uplift their economic standards.



Conducting an exhibition

Many activities carried out to increase farmer organizations up to 155 and 19 new farmers organizations were established during this year. 11,901 people were trained on cultivation of Anthuriums, Orchids, Roses, Gerbera, Cut greens and Tissue Culture.

08 workshops were conducted to enhance the technical and their skills of the growers attended these training programmes.

154 small scale exhibitions and 15 district level large exhibitions were conducted to enhance the marketing capabilities of the growers in the floriculture industry. 1,345 nurseries were also visited to provide on- site advice.

New hybrids of Anthurium and orchids were published as a “Catalogue on Anthurium Hybrids. Information related to books of the cultivation of Anthurium and Orchid was edited books and reprinted.



Providing on site advices to growers

New plants varieties were introduced to growers with distribution of high quality imported Orchid and Gerbera mother plants at concessionary prices.

UV treated polythene and shade nets are also being purchased to distribute among growers. Research programmes were carried out to enhance the floriculture sector in the country and many experiments are being carried out for solving the problem faced by the growers .

02 hybrids of Orchids and 05 hybrids of Anthuriums are being processed at various stages in the laboratory and in the fields. for multiplication and release to the public.

Growing areas and plant nurseries in the floriculture section were upgraded and materials were purchased for development of floriculture sections at all the Botanic Gardens. Plant house of the Hakgala and Gampaha Botanic Gardens were also upgraded to enhance the quality of plants produced. The roof of the Orchid House and orchid plants nursery were also upgraded at R.B.G. Pradeniya.

5.5 Education and Training

Approved provision :Rs. 0.3 Mn Capital Allowance and as Rs. 1.1 Mn from Botanic Gardens Trust Fund.

Expenditure

Facilities of Education and training centre at Royal Botanic Gardens, Peradeniya. 55 teenagers were trained under the three months certificate programme on new floriculture methodology and garden Landscaping.

Recruitments for Certificate of National Vocational Qualified (NVQ- level 3,4) was carried out and 15 candidates were registered, in addition, 2,560 candidates were trained on nursery management, plant identification ,plant surgery, floral arrangements ,post harvest technology, garden landscaping and related subjects.



Training session on garden landscaping for students of Three Months Certificate Programme

5.6 Royal Botanic Gardens, Peradeniya

Approved Provision :- Rs. 7.5Mn from Capital Allocations and Rs. 32.3Mn from garden Trust Fund

Expenditure: Rs.33.93Mn

Construction activities are being carried out to establish a view point close to the river at the southern part of garden as to develop the area and to provide visitors with a new experience.

Internal road system of the garden, culverts and drainage system were renovated to provide a new look to the garden. Officers' quarters were upgraded and the toilet system in the Arboratum and dining hall was renovated to



Attractive sevenery of garden



Construction activities of the toilet system in Arboratum

enhance the out look of the gardens. The Circuit Bungalow of the garden was also renovated with the modern equipment installed. Additionally the roof of the Plant Sales Centre was renovated.

Ticket counter at Gannoruwa side of the Garden was renovated for opening to reduce the congestion at the main gate.

New machinery, equipment and garden tools were purchased for efficient maintenance of the garden landscape, foot paths and avenues newly developed areas and prevailing machinery and equipment were upgraded to maintain the garden's beauty.

5.7 Botanic Gardens-Gampaha

Approved Provision: Rs. 23.4Mn from capital Allowances and Rs. 5.5Mn from Garden Trust Fund.
Expenditure: Rs. 28.05Mn



Boat yard after the renovation

Building in the garden, quarters, Plant House ,boundary wall around the garden, summer houses, shade house ,boat yard were renovated and two new boats were added to the lake.

Construction activities were carried out in car park by laying the interlocks.

Construction activities were carried to construct a toilet in the play ground area and construction of welfare canteen was completed. Summer house was also added to the garden.

A tender was awarded to build a new officer's quarters and construction activities are being carried out. A tender was also awarded to SLR & DC to develop the 40 feet edge of the Attanagala Oya close to the garden and construction activities are being carried out.

Land development activities and other maintenance activities are carried out to upgrade the quality of the garden. New machinery, equipment and garden tools were purchased for garden landscaping activities and maintenance of footpaths and avenues at high standards.

5.8 Hakgala Botanic Gardens

Approved provision: Rs. 2.85Mn from capital Allowances and Rs. 8.83Mn from Botanic Gardens Trust Fund

Expenditure: Rs..9.71 Mn

Buildings, Quarters Plant House Summer Houses , Circuit Bungalow of the garden were renovated to upgrade the outlook of the garden.

A tender was awarded to carry out extension activities of the office premises as the prevailing office premises do not have sufficient space for the staff. Since existing ticket counter is very old and provides fewer facilities to visitors: a tender was awarded to carry out construction activities of the new entrance.

Land development activities and other maintenance activities were carried out to upgrade the quality of the garden.

New machinery, equipment, garden tools were also purchased for efficient maintenance of garden landscape , foot paths, avenues, and existing machineries and equipment were upgraded for maintenance of the garden at high standards.



Land development activities of the Medicinal Garden



Land development activities of the Shrub Garden

5.9. Development of Ganewatta Medicinal Plant Garden

Approved provision:**Rs. 12.5Mn**

Expenditure: Rs. 12.34Mn

Upgrade the outlook of the garden and maintained the garden at high standards.

A tender was awarded to carry out construction activities of the auditorium under the second phase which was initiated in 2014.



Scenery of the Medicinal Wild Garden

Establishment of Anthuriums and Orchid

cultivation activities are being carried out to popularize the floriculture in the area.

Planting programmes were conducted and nearly 25,000 plants were produced. Hein Araththa(*Alpinia calcarata*), Sudu Hadun (*Santalum album*) and Niyagala (*Gloriosa*) were planted to enhance the plant collection . 40 rare medicinal plants were also added to the garden.

New machinery, equipment, garden tools were purchased for efficient maintenance of the garden landscaping, footpaths, avenues, and existing machineries and equipment were upgraded for maintenance of the gardens at high standards .

5.10. Meegallawa Haritha Piyasa Training Centre

Approved provision:-Rs. 7 Mn

Expenditure :-Rs. 6.99 Mn

Tender was awarded to North Western Engineering Dept. to carry out renovation activities of the field office building no.04. Planting programme was conducted and land development

activities were carried out to beautify of the training centre premises. Planting and nursery maintenance activities were carried out for Anthuriums and Orchids.

6. Management of the Other Units under the Department

6.1. Residential Gardens of the His Excellency the president in Temple Trees, Colombo-01, Kandy , Nuwara-Eliya , Anuradhapura and residential gardens of the Honorable Prime Minister in Colombo and Nuwara-Eliya were maintained at high standards.

Development activities were carried out at both residential gardens of H. E. the President and the Hon. Prime Minister's to beautify the gardens and enhance standards of the gardens as planned. .

6.2 Sri Maha Bodhiya in Anuradhapura

Maintaining the health of the sacred Bo-Tree in Anuradhapura and activities related to it were carried out during this year as well. as well. 31 sapling Bo-Trees were planted for protection of the sacred Bo-Tree.



Maintaining the health of the Bo-Tree

6.3. War Cemeteries

The commonwealth war cemeteries at Kandy, Jawatta ,Borella, and Trincomalee were maintained at high standards.



War cemetery at Jawatta

6.4. Botanic Gardens Trust Fund

Botanic Garden Trust Fund was set up by Cabinet approval of 7th of February ,1996 for developing Botanical Gardens and its welfare considering a cabinet memorandum submitted by the Minister of Agriculture, Land and Forest Resources on 15th of December 1995.

25% out of the annual income from ticket sale at Botanical Gardens is allocated to the Trust Fund to improve Botanical Gardens and its welfare, which is the main income source at this fund.

Main objective of the fund is to provide financial assistance for development activities at Botanical Gardens and extend financial assistance for recurrent activities when necessary the objectives at the Trust Fund are,

- Promoting Botanical Gardens in Sri Lanka within the country and in other foreign countries.
- Implementing significant programmes on education and plant conservation.
- Improving facilities and activities leading to broad base scientific know-how of scientists attached to the Botanical Gardens as well as extending financial assistance to purchase equipment needed.
- Formulating an extensive programme on plant collection.
- Providing financial assistance for improving technical, education and training activities as towards the development of the Botanical Gardens.
- Undertaking any urgent construction to facilitate scientists and special delegates visiting the Botanical Gardens.
- Covering recurrent expenditure for any given specialized programme.

Development activities of the gardens are carried out with the financial assistance of the Garden Trust Fund and contributed. to keep the gardens at high standards during the year 2015

Annual capital allowances of the Garden Trust Fund is RS. 100 Mn. for the year 2015 and Rs.. 88.6mn (89%) allocated for the development of the Botanical Gardens.

7. Internal Transfer, Salary Increments and Other Activities during the year 2015

7.1 Recruitment – Gazette Notification

Designation	Vacancies Existed	Received Applications	Recruitments
Garden Forman	10	675	08
Bungalow Keeper	02	225	02
Bungalow Keeper Assistant	04	130	*
Lorry Cleaner	02	19	*
Mason	02	03	*
Budder	03	17	02
Motor Mechanic	01	28	01
Electrician	02	77	02
Carpenter	04	18	03
Label writer	02	25	03
Total	32	1217	21

*Recruitments will be held in 2016.

7.2. Retirements during the year 2015

Designation	Amount
The Director General	01
Agriculture Instructor	01
Management Assistant	02
Labourer	04
Total	08

7.3. Transfers during the year -2015

Designation	From the Department	To the Department
Management Asst. Service	02	05
K.K.S	02	05
Driver	01	02
Total	05	12

8. Training Programmes

8.1. Departmental Programmes

Serial No.	Programme	Date	Target Group
1.	Induction training programme for new recruitments of PL-2 in 2015	2015.05.21/ 22	Electricians, Label Writers, Motor Mechanic, Budder, Carpenters
2.	Disciplinary procedure and Financial Regulations - 104 supervision	2015.06.11/12	Unit Heads, Staff Grade offices with all the staff
3.	Programme for Anti-Narcotic Day	2015.07.22	All the staff of the Head Office
4.	Workshop for Garden Forman	2015.12.07/08	Garden Formans
5.	Attitude Development Training programme	2015.08.07	All the staff of Gampaha Botanic Gardens
Training programmes conducted by the Education and Training Centre			

8.2. Trainings at other Institutions

Serial No	Programme	Date	Participants	Category
1.	Transport Management	2015.01.30	01	Management Assistant
2.	Internal Auditing	2015.04.23/24	01	Development Officer
3.	Loss, damage and cancellation from the book	2015.05.11/12	01	-Do-
4.	Positive Attitudes and Skill Development	2015.05.29	01	Management Assistant
5.	Duties and Responsibilities of the Accounts Clerk	2015.09.28/29	04	Management Assistant and Development Officer
6.	Minimizing Audit problems in Government Sector	2015.10.01/02	03	Management Assistant and Development Officer
7.	Positive Attitudes and personal motivation	2015.10.06	01	Management Assistant

8.	Recruitment Procedure		01	Management Assistant
9.	Procurement Planning Arrangement	2015.10.13	03	Management Assistant and Development Officer

9. Activities Planned for 2016

Project Name	Provisions (Rs.Mn)	
	From Capital Allocation	From Botanic Garden Trust Fund
Existing Botanic Gardens and Management of other Programmes		
Mirijjawila Dry Zone Botanic Gardens		
Cactus House, Plant House, Completion and Establishing of Staff utility Building	15	0
Constructions of building for Floriculture experiments	8	0
Upgrade the internal road system	5	0
Construction of new entrance to attract more tourists for the garden	8	0
Construction of two quarters	11	0
Construction of canteen	5	0
Completion of construction of protective fence of the garden	5	0
Renovation of buildings	4	0
Purchasing of office equipment	1	0
Purchasing of machinery and new equipment	21.5	0
Enhancement of planting programme and living collection, conducting ex –situ conservation programmes	10	0
Labeling all the plants, fixing descriptive labels for specialized plants	2	0
Guided tours programmes for tourists , conducting educational programmes for school children and for the public	3	0
Required Total Provision	98.5	0.00
Seethawaka Ilukowita Wet Zone Botanic Gardens		
Completion of construction of a view point	1	0
Construction of Bonsai House	5	0

Project Name	Provisions (Rs.Mn)	
	From Capital Allocation	From Botanic Garden Trust Fund
Establishing two summer houses	2	0
Establishment of drinking water system	2	0
Renovation of buildings	0.85	0
Purchasing of new instruments	1.3	0
Purchasing of office equipment	0.3	0
Enhancement of planting programme and living collection, conducting Ex-Situ conservation programmes and construction of Herbarium	2	0
Labeling all the plants, fixing descriptive boards to specialized plants	1	0
Guided tours programmes for tourists to enlighten them about the garden, conducting educational programmes for school children and the public and upgrade the information center	1	0
Construction of a canteen	2.55	0
Construction of plant sales center	2	0
Completion of construction of protective fence of the garden	2	0
Upgrade the internal road system	2	0
Required Total Provision	25	0.00
Gampaha Botanic Garden		
Completion of establishing Orchids House and construction of a section for Bonsai cultivation	0	9
Renovation of Buildings	0.5	0
Purchasing of new instruments	1	0
Purchasing of office equipment	0.3	0
Establishment of two new toilets	0	2
Enhancement of planting programme and living collection, conducting ex – situ conservation programmes	1	0
Guided tours programmes for tourists, conducting educational programmes for school children and the public and establishment of information centre.	1	0
Labeling all the plants, fixing descriptive labels for plants	1	0
Upgrade the internal road system	2	0
Construction of two quarters	6	0
Establishment of drinking water taps and benches for visitors	0.5	0
Required Total Provision	13.3	11
Development of Medicine Plant Garden Ganewatta		

Project Name	Provisions (Rs.Mn)	
	From Capital Allocation	From Botanic Garden Trust Fund
Renovation activities of the buildings	1	0
Purchasing of new machineries	1.4	0
Publishing handouts on medicinal plants	0	0.5
Enhancement of planting programme and living collection, conducting ex –situ conservation programmes upgrading Herbarium	2	0
Guided tours programmes for tourists	0	1
Conducting educational programmes for the public and establishment of information centre		
Labeling all the plants, fixing descriptive boards to plants	0.6	0
Establishment of two summer houses (40'*30')	0	2
Establishment of drinking water system	2	0
Construction of sales centre with local medicinal value foods	4	0
Upgrade the Herbarium	0.2	0
Land Development and widening medicinal cultivation	2	0
Required Total Provision	13.2	3.5
Hakgala Botanic Gardens		
Reconstructing the entrance and completion of modernization of office premises	0	15
Construction of a canteen	0	5
Establishment of two summer houses with lavatories (40'*30')	1.5	2.5
Renovation of buildings, quarters, vehicles and instruments	1.5	0
Purchasing of new instruments, office equipment	0.6	0
Construction of quarters	0	4
Upgrade the internal road system	0	2.5
Enhancement of planting programme and living collection, conducting ex – situ conservation programme	0	1
Guided tours for tourists , Conducting educational programmes for school children and the public establishment of information centre	0	2

Project Name	Provisions (Rs.Mn)	
	From Capital Allocation	From Botanic Garden Trust Fund
Labeling all the plants, fixing descriptive labels for specialized plants	0	1
Required Total Provision	3.6	33
Royal Botanical Gardens - Peradeniya		
Completion of establishing the plant house and construction of a section for Bonsai Cultivation	0	3
Completion of establishing a view point close to the river at the southern part of the garden	0	2
Establishment of drinking water taps and benches for visitors	0	1
Renovation activities of cafeteria - First Phase	0	2
Restructuring the Circuit Bungalow – First Phase	1	0
Renovation activities of buildings, quarters, machineries and office equipment	2.6	0
Purchasing of new machineries and office equipments	0.4	0
Upgrading internal road system	0	7
Construction of a quarters	0	05
Planting programme and enhance the living collection and conducting ex – situ conservation programme	0	2
Guided tours for tourists to enlighten about the garden, conducting educational programmes for school children and the public and establishment of information centre	0	1
Labeling all the plants, specialized plants , fixing descriptive labels for animals can be seen and special places	0	1
Foreign Training for the staff	0	5
Required Total Provision	4	29
Education and Training Centre		
Conducting three months certificate course on Garden Landscaping	0	0.5
Recruitment of students for One year Diploma Programme providing National Vocational Qualification – Level 04 (NVQ Level 04)as Landscaping Development Assistant	0	0.5
Training Programmes	0.2	0
Required Total Provision	0.2	1
Floriculture Development		
Research and Development activities	0	6
Publishing Handouts, News/ Letters related to floriculture.	0	1
Organizing Training programmes and Floral exhibition to building the capacity of the growers	0	1
Purchasing mother plants to upgrade the quality of the	0	3

Project Name	Provisions (Rs.Mn)	
	From Capital Allocation	From Botanic Garden Trust Fund
planting materials		
Participating at meetings and field visits to inspect plant nursery management, providing instruction and other assistance to growers	0	5
Providing assistance to the growers by supplying materials.	0	6
Upgrading plant nurseries and growing areas	0	3
Required Total Provision	0.00	25
National Herbarium		
Research activities,	0	1
Publishing handouts related on plant conservation, endemic plants, endangered plants, bio diversity and bio diversity conservation	0	1
Up grading National Herbarium	0	4
Required Total Provision	0.00	6
Meegallawa Haritha Piyasa Training Centre		
Renovation of buildings	3	0
Purchasing of new furniture	1	0
Upgrading plant nurseries and growing areas	1	0
Required Total Provision	5	0.00
Garden Assistant's Office - Narahenpita		
Upgrading office premises for providing information to public in Colombo and its environment	0	1.5
Required Total Provision	0.00	1.5
Establishing Botanical researches and educational activities in Delft island.	0	10
Head Office		
Upgrading facilities of the Head Office	0	5
Required Total Provision	162.8	125
Conducting New Programmes		
Establishing new Botanical Garden in Shri pada area	20	0
Floriculture development and promotion activities in Northern and Eastern provinces.	15	0
Establishing new Botanic Garden in Northern Province	10	0
Construction of a Hostel at Royal Botanic Gardens	0	15

Project Name	Provisions (Rs.Mn)	
	From Capital Allocation	From Botanic Garden Trust Fund
Establishing a new car park for Royal Botanic Gardens	50	0
Acquisition of Laksala Institute at Royal Botanic Gardens to establish an information center.	0	2
Attaching a new wing for National Herbarium	0	15
Botanical research and educational activities for Delft island	0	10
Preparing a publication on botanical illustrations by Mr. De Alwis	0	4
Renovation of the Suspension Bridge at Royal Botanic Gardens	0	10
Total expenditure to implement new programmes	95	56