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Ministry of Sustainable Development, Wildlife
and Regional Development
Department of National Botanic Gardens

වාර්ෂික කාර්යසාධන වාර්තාව 2017 වරුදාණ්ත මුණ්ණෙර්ණ අර්චිකර්ක 2017 Annual Performance Report 2017

ජාතික උද්භිද උද්‍යාන දෙපාර්තමේන්තුව, කු.පෙ.14, පේරාදෙණිය
තේසිය තාවරවියල් පුර්කාකර්කර් ත්‍රිණෙකර්කර්, ත.ටෙ.14, පේරාතර්ණ.
Department of National Botanic Gardens, P.O. B. 14, Peradeniya



Department of National Botanic Gardens

Annual Performance Report 2017

Department of National Botanic Gardens

P.O. Box 14, Peradeniya

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1.Introduction

Department of National Botanic Gardens is the pioneer institution for botanical activities in Sri Lanka. Its contribution to ex-situ conservation of plants, education and implementation of research and technological programmes to develop floriculture in Sri Lanka is immense and varied.

Main Botanic Gardens including the Royal Botanic Gardens Peradeniya (1821), Hakgala Botanic Gardens (1861) and Henarathgoda Botanic Gardens, Gampaha (1876) were established by the British While the 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 by local experts.

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

The National Herbarium of the Department of National Botanic Gardens carry out plant authentication 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 supporting and encouraging 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 as well as one and two year duration diploma courses. Botanic Gardens of Sri Lanka also provide an opportunity for leisure where plants from around the world depict the diversity and beauty of the plant kingdom moreover they share knowledge and expertise in conservation, biodiversity and floriculture.

1.1 .Vision

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

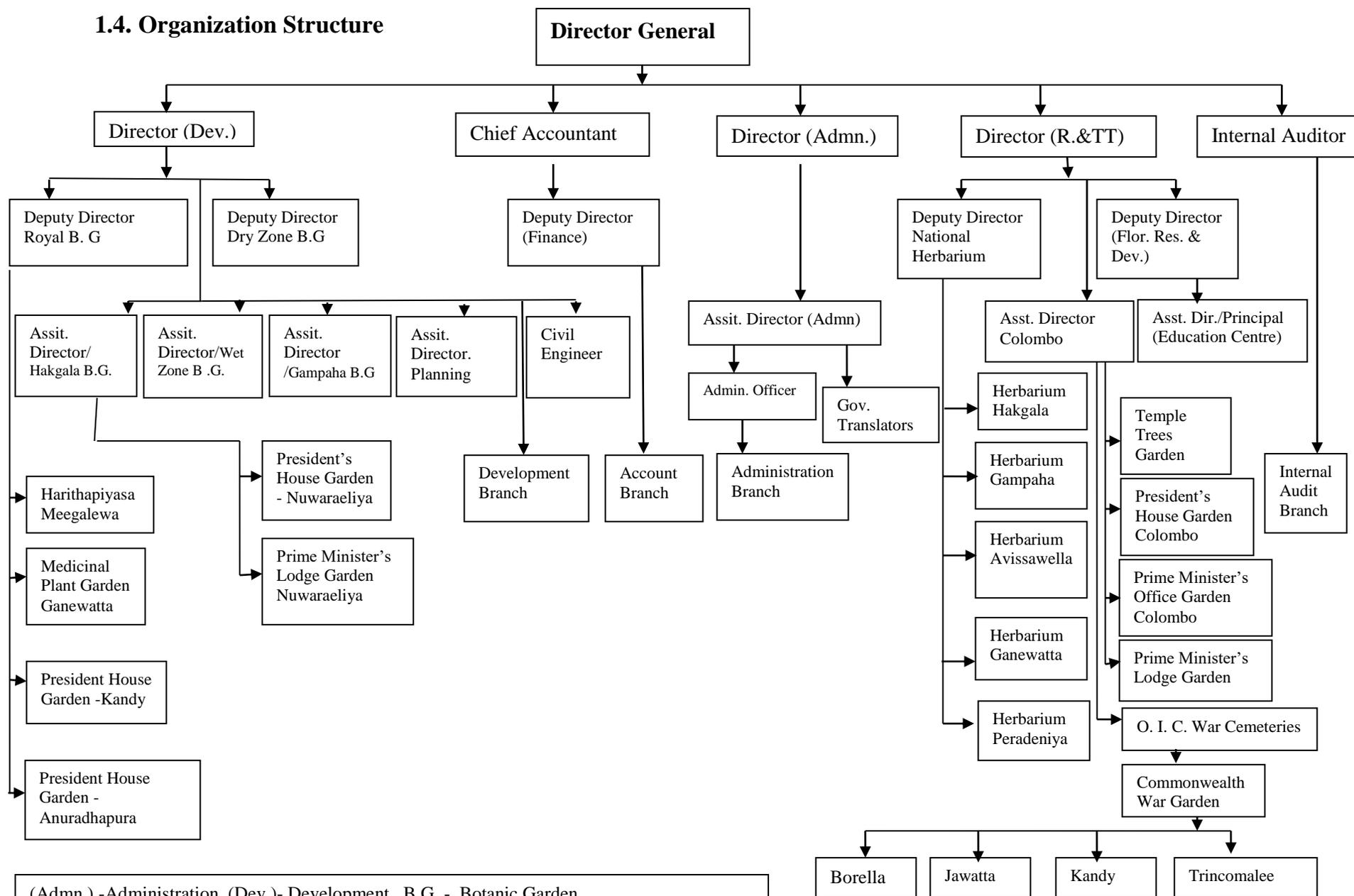
1.2 Mission

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

1.3 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 and maintain the health of the sacred Bo-tree (Sri Maha Bhodhi) at Anurathapura.

1.4. Organization Structure



(Admn.) -Administration, (Dev.)- Development, B.G. - Botanic Garden
 (Flor. Res. & Dev.) - Floriculture Research & Development, (Res.&T.T) - Research & Technology Transfer, O.I.C.- Officer in charge, Assit. – Assistant, Dir.- Director

1.5 Staff Details

Approved cadre for the Department is 974 of which 630 are in active service as of 31.12.2017. A brief description is as follows;

1.5.1 Staff details of the department as at end of 31.12.2017

Category	Salary Method	Service/ 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	34	16
Tertiary level	MN – 7 MN – 6	The Administrative officer Sri Lanka Technical Service-Special Grade Government Translator-Government Translator's Service	10	04
Secondary level	MN – 4 MN – 3 MN – 2 MN – 1 MT – 1	Agriculture Monitoring Officer Programme Assistant Development Officer Agriculture Instructor Garden Development Assistant Research Assistant Technical Officer Public Management Assistant Service Assistant Charge Collector Information Technology Assistant Garden Forman	189	130
Primary Level	PL – 3 PL – 2 PL – 1	Skilled Semi Skilled Unskilled	741	480
Total			974	630

1.5.2. Senior Staff of the Department

Designation	Name of the Officer
Director General	Mr. K. N. Yapa
Director (Research and Technology Transfer)	Dr. (Ms.) Shelomi A. Krishnaraja
Director (Development)	Mrs. H.C. P. Jayaweera
Director (Administration)	Mrs. I. W. M. C. K. Illangakoon
Chief Accountant	Mr. W. T. U. de Mel
Internal Auditor	Mrs. N. T. Liyanage
Accountant	Mr. D.M. Weerasekara
Civil Engineer	Mr. A.L.M. Mahir
Assistant Director (Administration)	Mr. Y. M. Y. Yapa Bandara
Assistant Director (Planning)	Mr. H.G. Jayasekara
Administrative Officer	Mrs. H.R.M.A.M. Rathnayaka

1.5.3. Other Senior Staff of the Department

Designation	Name of the Officer
Deputy Director , Royal Botanic Gardens	Dr.(Mrs.) A. M. A. S. Attanayake
Deputy Director /Floriculture Research	Mr. M.M.D.J. Senarathna
Assistant Director /Gampaha Botanic Gardens)	Mrs. M.C. Wickramasinghe
Assistant Director / Assistant Director's Office, Narahenpita	Mrs. R. S. W. Gomaz
Deputy Director /National Herbarium	Dr. (Mrs.) R. A. S. W. Ranasinghe
Assistant Director / Seethawaka Wet Zone Botanic Gardens	Mr. P. D. S. Wijerathna

1.6 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 education of people on plants while contributing to the economic and environmental development in Sri Lanka.

The 61.25 hectares garden situated near Kandy is popular for botanical research, horticulture as well as for recreation.

National Herbarium

The National Herbarium is 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 historical collections of botanical illustrations related to the local flora are also found in this herbarium.

The collection of plant specimens at the Herbarium serves a variety of purposes such as Taxonomic and Biodiversity Research as well as Plant Authentication.

Hakgala Botanic Gardens

The Botanic Garden at Hakgala, was established in 1861 and the flora of the gardens is distinctly sub-tropical. It consists of representatives of the indigenous, montane flora mixed together with those introduced from other countries, systematically planted in various sections of the gardens.

Floriculture Research and Development Unit

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

The unit actively engages in providing training programmes, on-site advisory services, and information on investment opportunities in the sector and providing assistance in the form of material for infrastructure development and marketing as well as quality plants to uplift this sector.

Henerathgoda Botanic Gardens, Gampaha

Henerathgoda Botanic Gardens, Gampaha was established in 1876 for introduction of rubber to Sri Lanka and possess an array of botanical and horticultural attractions with a rich history.

It is situated in Gampaha with a total extent of 17.4 hectares. This garden consists of an important plant collection of about 2000 plant species of Sri Lanka and other countries.

Mirijjawila Dry Zone Botanic Gardens

The Mirijjawila Dry Zone Botanic Gardens is the first botanic gardens in Sri Lanka designed by local experts after 130 years. The garden is 121.4 hectares in extent. It is located in the Hambantota District of the Southern Province and was opened to public in November 2013.

The main purposes of the gardens are to conserve dry and arid zone plants ex-situ, conduct studies on plants and promote economic development in the area.

Seethawaka Wet Zone Botanic Gardens

This botanic garden is situated near Avissawella and its development was initiated in 2008. It is 42.5 hectares 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 capital city of Colombo at 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 Hon. Prime Minister

The Department maintains the Residential gardens of His Excellency the President in Colombo, Kandy, Nuwara-Eliya, Anuradhapura and residential gardens of Hon. 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 and Second World Wars 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 its current extent is 2.42 hectares. It is under development and will operate as a training centre to provide training for internal staff as well as for local communities on floriculture and will also operate as a plant propagation centre.

Ganewatta Medicinal Plant Gardens

Medicinal Plant Gardens, Ganewatta is situated in the North Western Province in the Kurunegala District. This 21.04 hectares garden is home to a wide range of medicinal plants.

Ganewatta Medicinal Plant Gardens engages in cultivation and trade of medicinal plants while conserving rare species and demonstrating systematic plantation of medicinal plants.

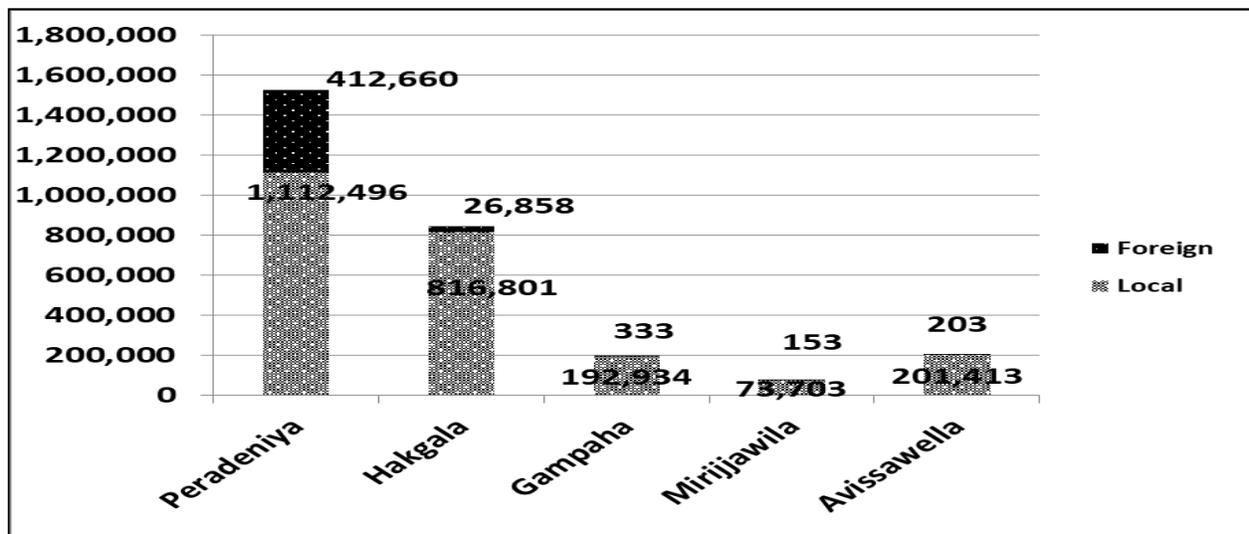
2. Visitor arrivals at the Botanic Gardens and its revenue details during 2017

2.1 Visitations

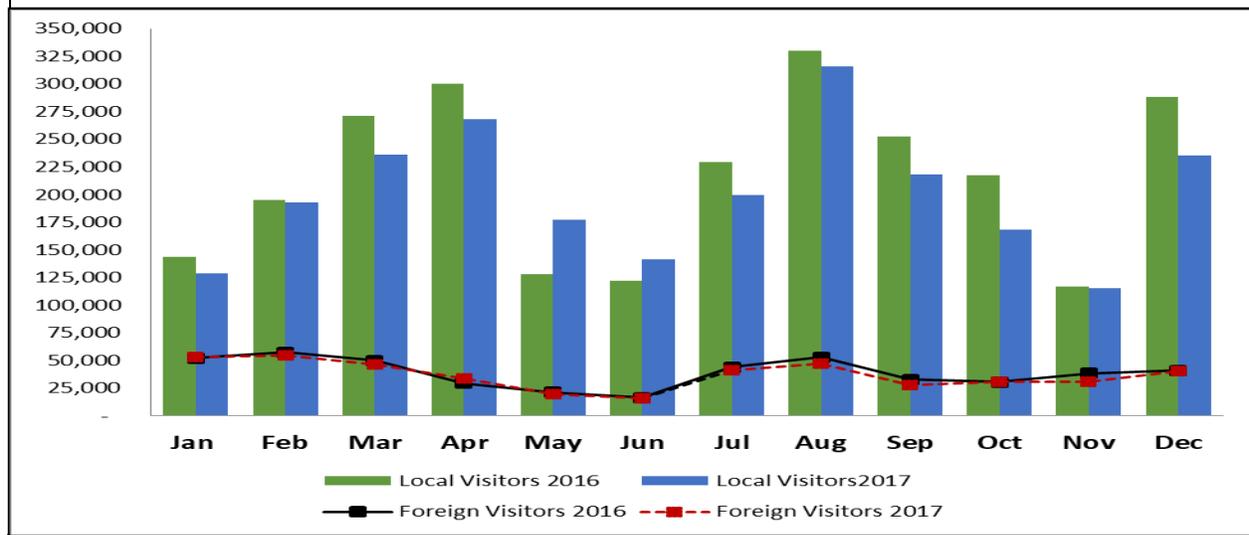
All units attached to the Department of National Botanic Gardens were maintained at high standards during 2017.

The total amount of visitors to the Botanic Gardens was 2,837,554 during this year. Among these visitors 2,397,347 were locals and 440,207 were foreigners.

2.2. Visitor arrivals to the gardens during year 2107



Local and Foreign visitors at Botanic Gardens



Comparison of visitor arrivals at Gardens in 2016 and 2017

2.3. Visitations to the Botanic Gardens from 2013 to 2017

Description	Year				
	2013	2014	2015	2016	2017
Local visitors	1,783,069	1,893,522	2,215,702	2,593,252	2,397,347
Foreign visitors	293,454	345,468	407,553	465,405	440,207
Total	2,076,523	2,238,990	2,623,255	3,058,657	2,837,554

2.4. Visitor Information at Botanic Gardens in 2017

	Peradeniya	Hakgala	Gampaha	Mirijjawila	Seethawaka	Total
Local Adults	823,715	578,629	172,642	41,544	163,460	1,779,990
Local Children	276,517	221,274	19,556	29,363	32,610	579,320
Senior Citizens	12,264	16,898	736	2,796	5,343	38,037
Total Local Visitors	1,112,496	816,801	192,934	73,703	201,413	2,397,347
Foreign Adults	386,141	16,898	315	138	184	403,676
Foreign Children	19,958	23,814	12	9	5	43,798
Foreign Students	6,561	1,860	6	6	14	8,447
Total Foreign Visitors	412,660	26,858	333	153	203	440,207
Total Number of Visitors	1,525,156	843,659	193,267	73,856	201,616	2,837,554

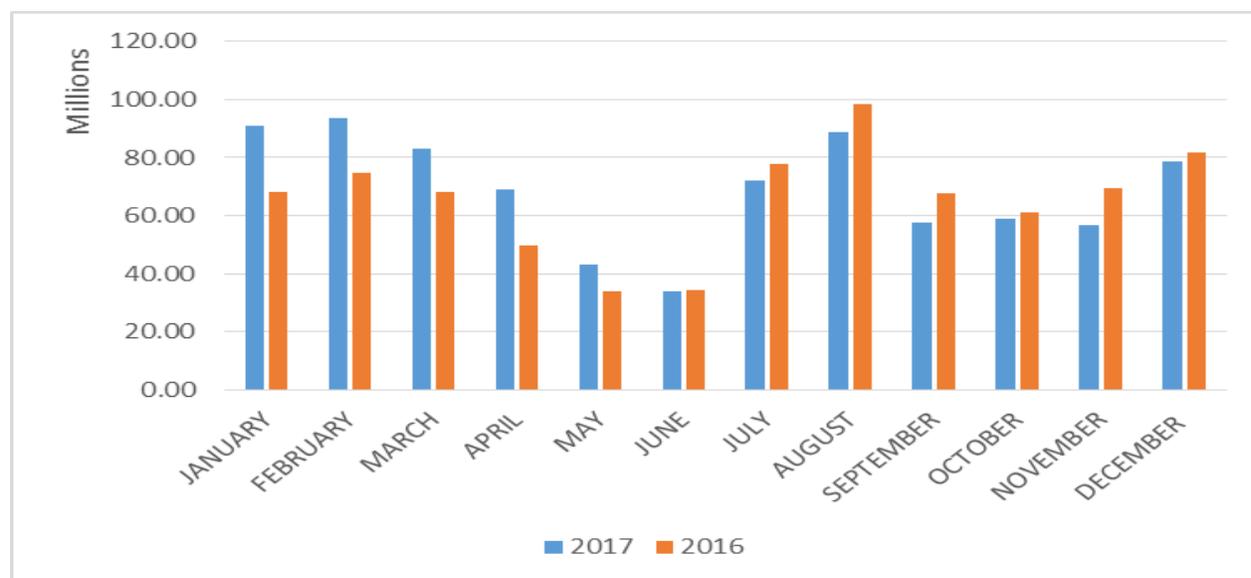
3. Revenue

The total revenue earned from admission fees, plant sales etc., was Rs. 849 million (revenue earned from visitors to the gardens was Rs.753 Mn while plant sales and other sources yielded Rs.96 7Mn.) Revenue of the Botanic Gardens showed an 8% increase compared to the last year.

3.1. Total Revenue from visitations to the Department from year 2013 to 2017

Description	Year				
	2013	2014	2015	2016	2017
Revenue from local visitors (Rs. Mn.)	73.0	75.9	88.5	115.4	113
Revenue from foreign visitors (Rs. Mn.)	314.9	369.8	435.1	594.3	640
Total (Rs. Mn.)	387.9	445.7	523.6	709.7	753

3.2. Monthly comparison of the Department Total Revenue



4. Financial Progress

Development activities were carried out as planned in all Botanic Gardens and allied units, achieving a financial progress of 99 % in 2017.

4.1 Provisions, Expenditure and progress in 2017

Description	Total Provision (Rs. Mn.)	Total Expenditure (Rs. Mn.)	Percentage (%)
Capital Expenditure	300.05	297.36	99.1
Recurrent Expenditure	364.69	358.28	98.2
Total	664.74	655.64	98.6

4.2. Budgetary allocations and Expenditure for programmes/projects at the Department- 2017

Programme	Capital Allocations for 2017 (Rs.Mn.)	Expenditure under capital allocation 2017 (Rs.Mn.)	Allocations under Botanic Gardens Trust fund for 2017 (Rs.Mn.)	Expenditure under Trust Fund (Rs.Mn.)	Total Allocations (Rs. Mn.)	Total Expenditure (Rs. Mn.)	%
Development of Royal Botanic Gardens, Peradeniya	2.579	2.560	28.310	28.195	30.889	30.755	99.6
Development of Gampaha Botanic Gardens	16.55	15.334	17.250	17.232	33.80	32.566	96.3
Development of Hakgala Botanic Garden	3.941	3.929	35.911	35.890	39.852	39.819	99.9
Development of Medicinal Plant Garden, Ganewatta	9.25	9.236	0.710	0.707	9.960	9.943	99.8
Development of Haritha Piysa Training Centre, Meegallewa	6	5.982	0.0	0.0	6	5.982	99.7

Programme	Capital Allocations for 2017 (Rs.Mn.)	Expenditure under capital allocation 2017 (Rs.Mn.)	Allocations under Botanic Gardens Trust fund for 2017 (Rs.Mn.)	Expenditure under Trust Fund (Rs.Mn.)	Total Allocations (Rs. Mn.)	Total Expenditure (Rs. Mn.)	%
Education and Training	0.5	0.496	2.250	2.247	2.750	2.743	99.7
Herbarium and Plant Taxonomic Research	0.0	0.0	4.850	4.841	4.850	4.841	99.8
National floriculture Development, Promotion and exhibition Programme	10	9.985	24.626	24.612	34.626	34.597	99.9
Seethawaka Wet Zone Botanic Gardens, Avissawella	25.45	25.260	2.403	2.403	27.853	27.663	99.3
Mirijjawila Dry Zone Botanic Gardens, Hambantota	74.2	73.205	0.0	0.0	74.20	73.205	98.7
Activities at the Head office	1.58	1.572	33.690	33.671	35.270	35.243	99.9
Total	150.05	147.559	150.0	149.798	300.05	297.357	99.1

4.3. Recurrent allocations and Expenditure- 2017

Object code	Object Detail	Budget Allocations 2017 (Rs.)	Net expenditure (Rs.)	Balance (Rs.)	% of total expenditure from total provisions
	Personal Emoluments	300,500,000.00	294,284,298.37	6,215,701.63	97.9%
1001	Salaries and Wedges	162,200,000.00	160,227,973.78	1,972,026.22	98.8%
1002	Over time and Holiday pay	8,300,000.00	8,295,440.12	4,559.88	99.9%
1003	Other Allowances	130,000,000.00	125,760,884.47	4,239,115.53	96.7%
	Travelling Expenses	2,180,000.00	2,177,689.60	2,310.40	99.9%

Object code	Object Detail	Budget Allocations 2017 (Rs.)	Net expenditure (Rs.)	Balance (Rs.)	% of total expenditure from total provisions
1101	Domestic	1,700,000.00	1,700,000.00	-	100.0%
1102	Foreign	480,000.00	477,689.60	2,310.40	99.5%
	Supplies	11,773,000.00	11,751,528.58	21,471.42	99.8%
1201	Stationery and office requisites	1,100,000.00	1,098,845.43	1,154.57	99.9%
1202	Fuel	5,673,000.00	5,652,714.50	20,285.50	99.6%
1203	Diets and uniform	500,000.00	499,994.26	5.74	100.0%
1205	Other	4,500,000.00	4,499,974.39	25.61	100.0%
	Maintenance Expenditure	3,150,000.00	3,128,783.54	21,216.46	99.3%
1301	Vehicles	2,200,000.00	2,189,726.73	10,273.27	99.5%
13 02	Plant Machinery and Equipments	600,000.00	589,061.19	10,938.81	98.2%
1303	Buildings and structures	350,000.00	349,995.62	4.38	100.0%
	Services	45,567,000.00	45,423,757.35	143,242.65	99.7%
1401	Transport	1,550,000.00	1,548,804.00	1,196.00	99.9%
1402	Postal and Communication	2,820,000.00	2,819,923.35	76.65	100.0%
1403	Electricity and Water	5,000,000.00	4,858,306.66	141,693.34	97.2%
1404	Rents and Local Taxes	277,000.00	276,723.34	276.66	99.9%
1405	Other Services	35,920,000.00	35,920,000.00	-	100.0%
	Transfers	1,520,000.00	1,511,464.70	8,535.30	99.4%
1506	Property loan interest	1,520,000.00	1,511,464.70	8,535.30	99.4%
	Total	364,690,000.00	358,277,522.14	6,412,477.86	98.2%

4.4. Capital allocations and Expenditure -2017

Sub Project	Object Code	Object Details	Budget Allocations (Rs.)	Net Expenditure (Rs.)	Balance Allocation (Rs.)	% of total expenditure from total allocations
		Rehabilitation of Building and structures	4,100,000.00	4,072,715.66	27,284.34	99.3%
0	2001	Building and Structures	3,000,000.00	2,986,456.23	13,543.77	99.5%
0	2002	Plant, Machinery and Equipment	600,000.00	596,037.38	3,962.62	99.3%
0	2003	Vehicles	500,000.00	490,222.05	9,777.95	98.0%
		Acquisition of Capital Assets	4,000,000.00	3,988,673.85	11,326.15	99.7%
0	2102	Furniture and Office Equipment	800,000.00	795,420.00	4,580.00	99.4%
0	2103	Plant, machinery and Equipment	500,000.00	493,258.39	6,741.61	98.7%
0	2104	Buildings and structures	2,700,000.00	2,699,995.46	4.54	100.0%
0	2201	Capital Transfers (Botanic Garden Trust Fund)	150,000,000.00	149,797,566.10	202,433.90	99.9%
0	2401	Training and Capacity Building	500,000.00	495,900.00	4,100.00	99.2%
		<i>Special Projects</i>				
		Ganewatta Medicinal Plant Garden and Gampaha Botanic Garden	25,800,000.00	24,569,671.49	1,230,328.51	3.88
1	2102	Furniture and Office Equipment	1,000,000.00	982,099.68	17,900.32	98.2%
1	2103	Plant, machinery and Equipment	1,600,000.00	1,596,162.95	3,837.05	99.8%
1	2104	Buildings and structures	12,400,000.00	11,193,181.95	1,206,818.05	90.3%
1	2105	Land and land improvements	10,800,000.00	10,798,226.91	1,773.09	100.0%

Sub Project	Object Code	Object Details	Budget Allocations (Rs.)	Net Expenditure (Rs.)	Balance Allocation (Rs.)	% of total expenditure from total allocations
2	2105	Floriculture Development	10,000,000.00	9,984,784.83	15,215.17	99.8%
		Dry Zone Botanic Gardens, Hambantota	74,200,000.00	73,205,401.71	994,598.29	98.7%
3	2102	Furniture and Office Equipment	200,000.00	158,267.25	41,732.75	79.1%
3	2103	Plant, machinery and Equipment	1,000,000.00	967,214.10	32,785.90	96.7%
3	2104	Buildings and structures	44,000,000.00	43,095,051.73	904,948.27	97.9%
3	2105	Land and land improvements	29,000,000.00	28,984,868.63	15,131.37	99.9%
		Wet Zone Botanic Gardens, Avissawella	25,450,000.00	25,259,850.54	190,149.46	3.92
4	2102	Furniture and Office Equipment	1,300,000.00	1,294,830.84	5,169.16	99.6%
4	2103	Plant, machinery and Equipment	1,300,000.00	1,230,023.75	69,976.25	94.6%
4	2104	Buildings and structures	5,000,000.00	4,887,601.23	112,398.77	97.8%
4	2105	Land and land improvements	17,850,000.00	17,847,394.72	2,605.28	100.0%
7	2105	Haritha Piyasa Training Centre, Meegallewa	6,000,000.00	5,981,508.35	18,491.65	99.7%
Total			300,050,000.00	297,356,072.53	2,693,927.47	99.1%

5. Progress of Development and other activities at Botanic Gardens in 2017

5.1 Royal Botanic Gardens, Peradeniya

Approved Budget : Rs. 2.529 Mn. from capital allocations and Rs. 28.31 Mn. from Trust Fund *

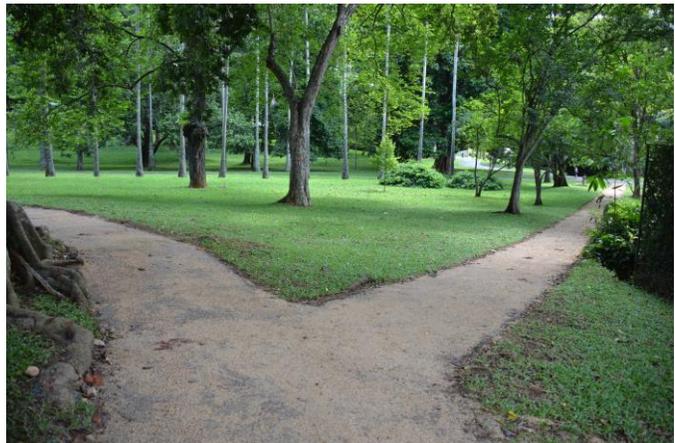
Expenditure 2017 : Rs. 30.775 Mn.

*Allocations have been revised

- Interior construction and planting activities are being carried out at the newly constructed plant conservatory to display shade loving plants and rare plants for public with the aim of awareness creation on plants. It will be opened for public to the public in April, 2018.
- Internal road network and drainage systems were upgraded and renovation of buildings were also carried out to enhance the appearance of the gardens.
- Main roads of the gardens were also improved by carpeting in order to upgrade standards of the garden.
- A mechanism for Solid Waste Management in the garden is being established and necessary materials including bins were purchased and structures were established for implementing the mechanism.



Interior construction at the Conservatory

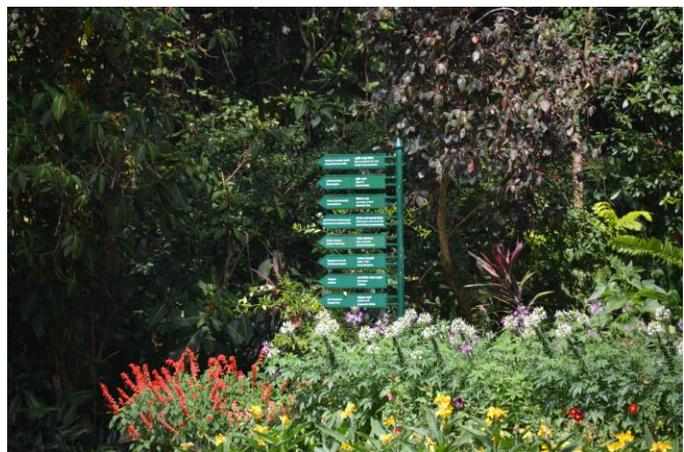


Development of Roads

- Construction of a new officer quarters was completed and exiting quarters of officers were also renovated.
- Plant conservation activities were also carried out by enhancing the living collection, and adding new plant species and plant collections. 142,127 plants were also produced.
- Plant labeling was carried out to improve the living collection of the gardens and disseminate information on scientific and other related data of plants to visitors. Descriptive boards, memorial tree labels and signage boards were established.
- Four sections (O, P, H and B) of the garden were revised and plants in these sections were listed. Establishing plant collections which attract more birds and butterflies were also carried out.
- Information materials such as brochures, flyers and posters were prepared and displayed in required areas to disseminate information among visitors. Guided tours to provide information about the garden and its collections were implemented for visitors at the gardens and 40 tours were conducted for 1733 visitors.



Established Bin structures for solid waste management



Established signage boards at the garden

5.2. Henerathgoda Botanic Gardens, Gampaha

Approved Budget	: Rs.16.55 Mn. from capital allocations and Rs. 17.25 Mn. from Trust Fund*
Expenditure 2017	: Rs. 32.566 Mn.

*Allocations have been revised

- Renovation activities of buildings, quarters, plant house, wall around the garden, summer houses, shade houses and boat yard were carried out to enhance the outlook of the garden. Land improvement and other maintenance activities were also carried out to enhance quality and standards of the garden.



Construction activities of the Orchid house

- A new garage for parking of the garden's vehicles and machineries was established and a new toilet system was also established for the public use in the gardens.
- A utility building was established to provide facilities for workers and keeping equipment and machineries.



Rehabilitated protective wall

- Plant conservation activities were carried out while adding new plant species to the living collection to enhance collections. Plant production activities were carried out and 56,875 plants were produced. Plant labels were also fixed on

trees to provide information on plants to visitors.

- Informational materials such as leaflets and display boards were prepared to provide information on plants to visitors.

- Construction of the Orchid House is being carried out by the State Engineering Corporation to attract more visitors to the garden by diversifying their experience and also as a conservatory. 90% of activities were completed during 2017. In addition a Bonsai collection was



Established Flower structures at the gardens

established and opened to the public.

- The garden land is being eroded due to intense bank erosion of the stream (Attanagalu Oya) that flows along one boundary of the garden and actions were taken to conserve the bank and the land of the garden.
- Flower structures of different designs were established in the gardens for beautification of the garden.

5.3 Hakgala Botanic Gardens

Approved Budget : Rs.3.941Mn. from capital allocations and Rs. 35.911 Mn. from Trust Fund *

Expenditure 2017 : Rs. 39.819 Mn.

*Allocations have been revised

- Renovation activities of buildings, quarters, plant houses, summer houses and the circuit bungalow were carried out to enhance the outlook and maintain quality of the garden.
- Construction of a new quarters complex for officers with 4 quarters was carried out to enhance staff facilities and phase 1 of the construction was completed.
- A new toilet complex was established and new toilet sewage management system was also introduced to maintain toilet sewage efficiently and effectively. This sewage management system was introduced in collaboration with the University of Peradeniya and 02 new sewage pits were constructed.



Development activities near new entrance



Established new solid waste management centre

- A solid waste management system at the garden was strengthened by establishing a waste management centre for collecting, storing, and sorting waste collected in the garden.



Land improvement activities carried out at the garden

- Plant conservation activities were carried out to enhance the living collection and its quality. New varieties were added to the collection as well. Plant production activities were also carried out and 128,789 plants were produced.
- Information materials were prepared and are being printed.
- A car park was planned to be establish at the new entrance complex during this year. However, it was discontinued due to technical issues at the site and retendering is required subsequently to obtaining a detailed foundation report from an expert institution thus work has been postponed to the next year.
- Maintenance and land improvement activities were carried out to upgrade the standards of gardens.
- Existing foot paths were upgraded in the gardens to improve the internal road network and a new access road in the new entrance was also constructed.
- A part of the protective fence was established and protective fence near the new entrance was also established.

5.4. Development of Ganewatta Medicinal Plant Gardens

Approved Budget	: Rs.9.25 Mn. from capital allocations and Rs. 0.71 Mn. from Trust Fund *
Expenditure 2017	: Rs. 9.943 Mn.

*Allocations have been revised

- Buildings and other structures were maintained while improving outlook of the gardens to upgrade its standards.
- Floriculture extension activities were initiated to promote floriculture in the area subsequent to establishing the anthurium and Orchid nurseries in the gardens.
- Plant production programme was carried out and 27,318 plants were produced. In addition a mother plant collection is also being established during this year. Establishing new plant collections was not carried out as planned due to the drought prevailing in the area.
- Drinking water faucets and benches were established in the garden to enhance public facilities.
- Two potting sheds were constructed for efficient management of plants.



Pond created for establishing aquatic plant collection



Renovated plant house

- The ceiling of the Herbarium and existing plant house were renovated.
- A canteen which was established to carry out sales activities of food and beverages with ayurvedic medicinal value to promote healthy local food among visitors was opened to the public.
- Awareness programmes on medicinal plants were conducted and 2,416 individuals obtained knowledge on use of medicinal plants and its values and conservation of medicinal plants.
- 15 Information leaflets and 25 descriptive boards were prepared.
- A rain water harvesting system was established for storing water to consume during drought periods and a field office was also established for workers.
- A pond was established to initiate an aquatic plant collection.



Established benches in the garden



Conducting awareness programmes on medicinal plants and its value

5.5 Herbarium and Plant Taxonomic and Identification Research

**Approved Budget : Rs. 4.85Mn. from Botanical
Gardens Trust Fund ***

Expenditure 2017 : Rs. 4.841 Mn.

*Allocations have been revised

- A one day workshop was organized in collaboration with the Institute of Biology, Sri Lanka on biogeography data analyzing using BioGeo BEARS package with lectures and a practical session being conducted for the participants.



**A session of the one day workshop
conducted at the National Herbarium on
biogeography**

20 participants from various universities, and other relevant institutes attended the workshop and Dr. Nico Cellines, Florida Museum of Natural History, Department of Biology, University of Florida/. Dr Robert Duouglas Stone, Senior Research Associate, University of KwaZulu-Natal, South Africa and Ms Prabha Amarasinghe from Florida Museum of Natural History, Department of Biology, and University of Florida involved in the workshop as resource personal.

- Another one day workshop was organized and lectures including a virtual tour to herbarium was conducted for dissemination of information on activities of the herbarium, especially for the officers of the Department of National Botanic Gardens.



**A meeting session of Red Data Book preparing
project**

40 participants of Department of

National Botanic Gardens and other relevant institutes attended. Dr. Nico Cellines, Florida Museum of Natural History, Department of Biology, University of Florida and Dr Robert Duouglas Stone, Senior Research Associate, University of KwaZulu-Natal, South Africa involved as resource personals.



A awareness programme conducted on Bio diversity for school children

- 18 workshops were conducted for 318 school children, 448 university students and 143 officers of the state and private sector on Bio diversity conservation, herbarium techniques and management. At these workshops participants were made aware of herbarium techniques and management, plant taxonomy and identification, biodiversity and its conservation as well as contribution of the National Herbarium for preparation of national red list.



***Rinorea bengalensis* - recorded from Rumassala area, which had been recoreded as an extinct plant species in the National Red Data Book -2012**

- In addition, a lecture on history of the National Herbarium and its functions was conducted for 25 students from Florida University.
- Plant exploration activities mainly aiming at endangered plant species in the dry and wet zone areas of the country were conducted during this year under the botanical survey. In addition hilltop flora explorations were conducted in the area associated to the Adam’s peak mountain range.

- 24 field explorations were carried out under the Botanical survey programme and 1185 flowering plant specimens, 106 ferns specimens and 74 Moss specimens were collected.
- Among the collected specimens 01 extinct plant, 10 critically endangered, 80 endangered plants, 129 vulnerable plants and 79 near threatened plants were identified. Plant conservation activities were also carried out with relevant ex-situ conservation techniques and specimens were also kept at the National Herbarium for future reference.
- During the field explorations under the botanical survey, *Rinorea bengalensis* was recorded from Rumassala area, which had been recorded as an extinct plant species in the National Red Data Book -2012. Plant parts were taken to the Royal Botanic Gardens, Peradeniya for ex-situ conservation of this plant species.
- In addition to the Botanical Survey, a medicinal plant exploration programme was carried out in collaboration with the Royal Botanic Gardens, Peradeniya. 42 rare plant species were collected and conserved at the Ganewatta Medicinal Plant Gardens. This programme will enrich the plant collections at the Ganewatta Medicinal Plant Gardens
- A Moss plant species conservation programme was carried out for ex-situ conservation of plant species collected from field explorations and planted at the Royal Botanic Gardens, Peradeniya. They were germinated under laboratory conditions and are being maintained at the laboratory.
- In addition, a scientific poster on Diversity of the Mosses in selected areas of the Central Province was prepared and displayed at the 27th Asia Pacific Forestry Science Commission international conference.
- The Book “Common Wayside Trees of Sri Lanka” was published. Illustrations / common names, conservation status and habitats of 100 specimens are included in this book on way side trees and information in the book is available in Sinhala, Tamil and English languages.
- Leaflets and posters on Sri Lankan threatened plants, Invasive plants, bio diversity, Sri Lankan wild flowers and Sri Lankan ornamental Orchids were printed and published.
- Publishing activities of the World famous historical collection of Botanical illustration by Haramanis D. Alwis was carried out and book will be published early next year. Illustrations with botanical information of 184 specimens are included in this book.

- Activities are being carried out to add accession numbers to illustrations and specimens at the Herbarium, to prepare a database of specimens kept at the National Herbarium to facilitate verifying of specimens.
- Renovating the roof of the National Herbarium was carried out and 160,000 existing specimens were well maintained.

5.6. National Floriculture Development Programme

Approved Budget	: Rs. 10 Mn. from Capital allocations and Rs.24.626 Mn. From Botanic Gardens Trust Fund*
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Expenditure 2017	: Rs. 34.597 Mn.
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*Allocations have been revised

- The Floriculture Development Programme was also implemented during this year to empower lower and middle level horticulturists in the floriculture sector and to uplift their economic standards.
- Many activities were carried out to increase farmer organizations up to 185 island wide and 12 new farmer organizations being established during this year. About 7000 members are facilitated under this



Educating growers

programme. 21,724 individuals were trained (one day training) on cultivation of Anthuriums, Orchids, Roses, Gerbera, Cut greens and Tissue Culture. In addition 67 school projects on floriculture were facilitated and assisted.

- 14 workshops were conducted to enhance technical skills of growers and 1,059 growers attended these training programmes.

- 322 small scale exhibitions and 20 district level large exhibitions were conducted to enhance the marketing capabilities of growers in the floriculture industry. 1,514 nurseries were visited and 538 meetings of grower organizations were attended to provide on- site advices and address their nursery related problems.



Renovated Begonia plant house

- Research on creating new hybrid of Anthurium and Orchid cultivars are being conducted at the nurseries and laboratories.
- 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. Begonia house at the Royal Botanic Gardens, Peradeniya and lab of the floriculture section were renovated to enhance the quality of plants produced.

- Floriculture and crop cultivation related information was provided to growers and general public of Colombo and its surrounding areas. Training was provided to 488 individuals at the Auditorium of the Narahenpita Assistant Director's office. Floriculture and other plant related consultancies and trainings are provided to interested groups on floricultural at this centre to promote and develop floriculture.



Conducting exhibitions

- Shade nets, UV-Treated ploythene and plastic pots were purchased and distributed among members of the Suwasas Mal Societies to facilitate members.
- Several Research programmes were carried out in the fields of micro-propagation, agronomy, post harvest techniques and plant physiology to address current issues on floriculture for development of the sector.



Distribution planting materials among growers

5.6.1. Research programmes carried out in 2017

1. Effect of fertilizer ratios and hormones on vegetative growth of 4-8 month old medium size Dendrobium Orchids
2. Effect of fertilizer ratios and mode of application on flowering of Anthurium "Avo Red"
3. Effect of trace elements on growth and development of Anthurium & Aglaonema
4. Effect of hormones on shoot multiplication and elongation after de-topping of a *Dracaena reflexa*
5. Micropropagation of the Orchids genus *Oncidium* from flower spikes.
6. Invention of a packaging methods for a Jasmine and Plumeria (Araliya) which can be used for long distant transport.
7. Invention of a method for drying aromatic flowers for pot puree flower

5.7. Education and Training

Approved Budget : Rs.0.5 Mn. from capital allocations and Rs. 2.25 Mn. from Trust Fund*

Expenditure 2017 : Rs. 1.743 Mn

*Allocations have been revised

Education and training facilities were upgraded at the Education and Training Centre of the Royal Botanic Gardens, Peradeniya.

- 120 youths were trained under the three months certificate programme on modern floriculture methodology and garden Landscaping.
- Recruitment for Landscape Assistant certificate course which has National Vocational Qualified certification (NVQ- level 3, 4) was carried out and 7 candidates were registered.
- In addition, one day training programmes on rose cultivation, nursery management, plant identification, plant surgeries and treatments, floral arrangements,



Awareness programme conducted for the public



Conducting a programme for officers at the Department on Herbarium management and techniques

post-harvest technology, garden landscaping and related subjects were conducted with 12,709 individuals being trained. Awareness programmes were conducted for 220 persons including school children as well.

5.8. Meegalawa “Haritha Piyasa” Training Centre

Approved Budget	: Rs.6 Mn. from capital allocations *
Expenditure 2017	: Rs. 5.982 Mn

*Allocations have been revised

- Renovation of field office building no. 04 was carried out by the North Western Provincial Engineering Office and task was completed.
- 37,970 plants were produced under the plant production programme.



Planting programme

- Machineries and equipment for garden activities as well as furniture and other office equipment for office use were also purchased.

5.9. Mirijjawila Dry Zone Botanic Gardens, Hambantota

Approved Budget : Rs.74.2 Mn. from capital allocations*

Expenditure 2017 : Rs. 73.205 Mn

*Allocations have been revised

Many development programmes were carried out for upgrading public facilities and infrastructure of the garden.

- Construction activities of a new quarter complex with 04 quarters were completed in addition to 03 existing quarters.
- Phase one of the floriculture exhibition centre was constructed to provide facilities for growers in the area to conduct flower exhibitions aiming at floriculture development in the area. Construction of Phase 2 will be carried out next year.
- A seed store for storing seeds for plant propagation activities was constructed. Materials were purchased to establish a shade house for mother plant collection and construction activities were completed.
- Establishing a Canteen as well as a staff quarter were completed during this year.



Phase 1 of visitor center and office at southern part of the garden



Construction activities of Floriculture exhibition centre

- Upgrading roads by carpeting and interlocking were carried out in some sections to improve the internal road network and the outlook of the gardens.



Drainage System developed at the formal garden

- 02 and 04 summer houses respectively were established near the new entrance and formal garden to enhance public facilities at the gardens.

- Field development activities have been carried out to enhance the landscape features of the garden and foot paths, avenues, shrub gardens and flower beds were developed and maintained to enhance garden features.



Completed activities of phase 1 of quarters complex with 04 quarters

- Technical knowledge was also provided to floriculture growers in the area through various workshops and training sessions to develop Floriculture in the area and facilities at the floriculture extension office were also upgraded.



Newly constructed seed storage facility

- Plant conservation activities were carried out and new plant species were added to the collection to

enhance living collection of the gardens. 43,414 plants were also produced for use at the garden and sales purposes.

- A visitor centre with mini herbarium, office area, conference room, and library was established at the new southern entrance and phase 1 of the project was completed.



Carpeted road at new car park

- Tenders were called for establishment of solar power units to supply electricity for buildings and the other structures to minimize electricity bills of the garden and establishment will be carried out in year 2018.



Conducting a training session for growers

- Activities for putting up plant labels, descriptive boards and signage boards were also carried out to provide information on plants to visitors.

- Water drainage systems of the formal garden was rehabilitated by constructing drainage lines and a car park at the southern part of the gardens was also developed.

5.10. Seethawaka Wet Zone Botanic Gardens, Avissawella

Approved Budget : Rs.25.45 Mn. from capital allocations and Rs. 2.403 Mn. from Trust Fund*

Expenditure 2017 : Rs. 27.663 Mn

*Allocations have been revised

Various development activities were carried out for enhancing public facilities and maintaining the gardens at high standards.

- A boat yard was established near the lake for providing facilities to public for boat rides in the lake.
- 2 new summer houses were established at the Japanese gardens and Fernery to enhance public facilities at the gardens.
- Establishment of a drinking water supply system was initiated and water pump house was renovated to supply drinking water to the public efficiently.
- Establishment of a part of the protective fence around the gardens was carried out and also a new lavatory system was established at the rose garden in the upper part of the gardens.
- Anthurium and Orchid plant nurseries were moved to the plant nursery area in the upper part of the gardens.



Newly constructed Jetty and the boat yard



Newly built summer house at Japanese Gardens

- Garden development activities were carried out with improvement of flower gardens, foot paths and other sections of the gardens for enhancing garden landscaping features and its beauty.
- Plant conservation activities were carried out by adding more species to the living collection. Plant production activities were carried out and 61,248 plants were produced.
- Road hoardings were prepared and erected along the main road for promoting the garden among public and attract more visitors to the gardens.



Newly established toilets at the rose gardens



Landscape activities of the gardens

During the year, new machineries, equipment and gardens tools were also purchased and existing machineries were upgraded for efficient management and maintenance of all gardens.

6. Management of the other units under the Department

6.1. Residential Gardens of H.E. the President and the Honorable Prime Minister

Residential Gardens of H.E. the President at Colombo-01, Kandy, Nuwara-Eliya, Anurathapura and residential gardens of the Honorable Prime Minister at 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 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 Sri Maha Bo-Tree in Anuradhapura and relevant conservation activities were carried out whenever necessary during this year as well.



Maintaining the health of the sacred Sri Maha Bo-Tree in Anuradhapura

6.3. Common wealth War Cemeteries

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



War cemetery at Jawatta

6.4. Botanic Gardens Trust fund

Botanic Gardens Trust Fund was set up by Cabinet approval obtained on 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% of the annual income from ticket income of visitor arrivals at Botanic Gardens is allocated to the Trust Fund to improve Botanical Gardens and its welfare. Ticket income of visitor arrivals is the main income source of 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, thus objectives of the Trust Fund are,

- Promoting Botanical Gardens in Sri Lanka and internationally.
- 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.
- Undertaking any urgent constructions to facilitate scientists and special delegates visiting the Botanical Gardens.
- Covering recurrent expenditure for any given specialized programme when necessary.

Major development activities of all the gardens were carried out with financial assistance of the Botanic Garden Trust Fund and it contributed to keep the Gardens at high standards during the year 2017.

Annual capital allocation for the Garden Trust Fund was RS. 150 Mn. for the year 2017 and Rs. 149.8 (i.e. 99.9%) was expended for development of the Botanical Gardens

7. Internal transfers, retirements and other administration activities during the year 2017

7.1 New designations created

Designation	Number of designations approved in 2017	Number of total approved designations
Assistant Director (Planning)	1	1
Assistant charge collector	3	26
Garden worker	160	563
Store man	2	5
Tractor operator	3	6
Bacho operator	1	1
Battery car operator	19	19
Total	189	621

7.2. Recruitments

Designation	Vacancies	Recruitments
Development Officer	10	6

7.3. Transfers during the year -2017

Designation	Transfer to the Department	Transfer from the Department
Assistant Director (Planning)	1	-
Accountant	1	-
Admin. Officer	1	1
Programme Assistant	-	1
Development Officer	1	1
Management Assistant	6	4
Driver	3	2
Office work coadjutor	3	-
Total	16	9

7.4. Released and vacated post from service

Designation	Released	Vacated post
Development Officer	1	-
Assistant charge collector	1	-
Garden Foreman	1	1
Garden worker	-	3
Total	3	4

7.5. Retirements and deaths during the year 2017

Designation	Retirement	deaths
Garden Development Assistant (Special)	1	-
Garden Development Assistant	3	-
Management Assistant	3	-
Assistant charge collector	-	1
Driver	1	-
Watcher	1	-
Garden worker	8	2
Total	17	3

8. Capacity building of staff and trainings

8.1. Foreign training programmes

	Programme	Country	Time period	Staff trained
1.	International Training Workshop on Innovation and Utilization of Liriodendron and Camphor Germplasm Resources	China	22.07.2017 – 07.08.2017	Mr. R.D. Donil Kularatne (Programme Assistant)
2.	6 th Southeast Asia Botanic Gardens Network Conference	Vietnam	24 – 28 April, 2017	Mr. E.M.S. Ekanayake (Programme Assistant)

	Programme	Country	Time period	Staff trained
3.	International Training Programme in Management	Thailand	19 - 26 March, 2017	Mr. M.T.U. de Mel Chief Accountant
4.	Training Programme on Taxonomic Principles and Tools in Botanical Research (Bryophytes)	London, UK	05 – 13 March, 2017	Ms. N.P.T. Gunawardene Agriculture Monitoring Officer
5.	Training on Management of Commonwealth War Graves Cemeteries	India	27.02.2017 – 04.03.2017	Mr. E.W.S.D.D. Wijesekera Programme Assistant

8.2. Local training programmes organized by the Dept.

	Programme	Date	Target group
1.	Maintaining personal files	From 19 th to 20 th June, 2017	Development officers Management Assistants
2.	Vehicle Management	28 th June 2017	Officers who handled vehicle matters, officers in internal audit division
3.	Board of survey and asset disposal	From 29 th to 30 th June 2017	Officers related to Stores management and board of survey
4.	Risk assessment, audit plan and internal control	03 rd August 2017	Internal audit officers
5.	Micro irrigation	26 th August 2017	landscapers , Training staff
6.	Right to information Act	26 th Oct. 2017	Directors
7.	Capacity building for public sector service excellence	20 th Oct. 2017	SL Scientific Service officers

09. Activity plan for 2018

Programmes/Activities	Allocation (Rs. Mn)	Fund Source
Royal Botanic Gardens, Peradeniya		
Rehabilitation and improvement of buildings, machineries and vehicles	6.6	Capital
Acquisition of Furniture, office equipment and machineries	5.3	Capital
Establishment of new toilet for workers	0.4	Capital
Curbing road with edging bricks	1	Botanic Garden Trust Fund
Set up plant conservatory for display – Hardscaping	5	Botanic Garden Trust Fund
Establishment of solid waste management system (Phase 11)	2	Botanic Garden Trust Fund
Upgrade living collation and ex-situ conservation activities	4.9	Botanic Garden Trust Fund
Establishment of CCTV camera system (at the 2nd gate)	3	Botanic Garden Trust Fund
Establishment of information center and preparing and fixing plant labels, display boards, descriptive boards	6	Botanic Garden Trust Fund
Upgrade outdoor plant nursery	5.5	Botanic Garden Trust Fund
Establishment of two 5,000 L water tank for drinking purposes	0.25	Botanic Garden Trust Fund
Purchasing of a battery operated bus	3	Botanic Garden Trust Fund
Establishment of a garage for garden machineries	0.7	Botanic Garden Trust Fund
Improvement of the plant sales centre and add more garden benches to the garden	1.5	Botanic Garden Trust Fund
Development of a car park at Gannoruwa side	5	Botanic Garden Trust Fund
Land improvements (Flower garden building, canteen hardscape, & other extended works) and other overheads	4.5	Botanic Garden Trust Fund
Printing of guide maps and awareness materials	2	Botanic Garden Trust Fund
Guided tours programmes for tourists, conducting educational programmes for school children and for the public	0.5	Botanic Garden Trust Fund
Development of the Ma oya Water supply system	2	Botanic Garden Trust Fund
Renovation of pergola and quarters	7.5	Botanic Garden Trust Fund
Construction of a waste water purification pit and renovation of roof at Cafeteria	8	Botanic Garden Trust Fund
Required Total Provision	74.65	

Programmes/Activities	Allocation (Rs. Mn)	Fund Source
Hakgala Botanic Gardens		
Construction of officer quarters (phase 11)	9	Botanic Garden Trust Fund
Upgrade internal roads	10	Botanic Garden Trust Fund
Establishment of a stores and field station	8	Botanic Garden Trust Fund
Upgrade living collections and ex-situ conservation activities and nursery development	4.5	Botanic Garden Trust Fund
Prepare and fix plant labels, display boards, descriptive boards	0.5	Botanic Garden Trust Fund
Land improvements and other overheads	8.5	Botanic Garden Trust Fund
Development of a car park	10	Botanic Garden Trust Fund
Continuation of erecting the chain link	10	Botanic Garden Trust Fund
Renovation of a summer hut roof	0.5	Botanic Garden Trust Fund
Rehabilitation and improvement of buildings, machineries and vehicles	1.5	Capital
Acquisition of Furniture, office equipment and machineries	0.7	Capital
Establishment of summer house at the new entrance	1.6	Capital
Establishment of a plant sales Centre	1	Botanic Garden Trust Fund
Required Total Provision	65.8	
Gampaha Botanic Garden		
Rehabilitation and improvement of buildings, drainages, machineries and vehicles	1.5	Capital
Acquisition of Furniture, office equipment and machineries	0.85	Capital
Establishment of the workstation for field workers (phase 11)	8	Capital
Construction of a new summer house in fruit gardens	1	Capital
Construction of the gabion wall for erosion control of Attanagalu oya	4	Capital
Upgrade living collections and ex-situ conservation activities	1.5	Capital
Establishment of chain link along the Nursery	2.5	Capital
Prepare and fix plant labels, display boards, descriptive boards	1	Capital
Land improvements and other overheads	2	Capital
Establishment of solar power units (phase 11)	3	Capital
Establishment of a Boundary wall	3	Botanic Garden Trust Fund
Rehabilitation of the tree hut	1	Botanic Garden Trust Fund
Completion of the Orchid house	5	Botanic Garden Trust Fund
Construction of flower structures	1.25	Botanic Garden Trust Fund

Programmes/Activities	Allocation (Rs. Mn)	Fund Source
Required Total Provision	35.6	
Floriculture Development Programme		
Research and Development	5	Capital
Publications	1	Capital
Exhibitions and plant sales events	2	Capital
Purchase and distribution of material to flowers growers of “Suwahas Mal” organizations	15	Capital
Development of nursery areas and renovation of plant houses	11	Capital
Value addition and plant propagation for consumer retail	3	Capital
Establishment of solar power units	15	Capital
Development of the suwahas mal sevena	0.8	Capital
Training and regular maintenance activities and other overheads	6.7	Capital
Purchasing of mother plants	1	Capital
Required Total Provision	60.5	Capital
Ganewatta Medicinal Plant Gardens		
Acquisition of Furniture, office equipment and machineries	0.65	Capital
Enhancement of planting programme and living collection, conducting ex – situ conservation programme	1	Capital
Labeling all the plants, fixing descriptive labels for specialized plants	0.2	Capital
Land development and other overheads	4.3	Capital
Rehabilitation of the drainage system near auditorium	0.5	Capital
Required Total Provision	6.65	
Mirijjawila Dry zone Botanic Gardens		
Acquisition of Furniture, office equipment and machineries	2	Capital
Purchasing a battery operated bus	3	Capital
Construction of a store and laborer facilitated building at floriculture section	3	Capital
Establishment of a visitor centre with new office, mini herbarium, discussion room, library at south gate (phase 11)	13	Capital
Establishment of a bachelor quarters (phase 11)	9	Capital
Establishment of a floriculture exhibition center (phase 11)	5	Capital

Programmes/Activities	Allocation (Rs. Mn)	Fund Source
Upgrade internal roads	10	Capital
Upgrade electric system at floriculture section	1.5	Capital
Establishment of a garbage management system	3	Capital
Establishment of a garden for children	1	Capital
Upgrade living collections and ex-situ conservation activities	1	Capital
Prepare and fix plant labels, display boards, descriptive boards	0.5	Capital
Land improvements and other overheads	6.5	Capital
Completion of the chain link fence	2	Capital
Conduct awareness programmes	0.2	Botanic Garden Trust Fund
Establishment of solar power units	2.55	Botanic Garden Trust Fund
Initiate a research centre	2.5	Botanic Garden Trust Fund
Required Total Provision	65.75	
Seethawaka Wet Zone Botanic Gardens		
Acquisition of Furniture, office equipment and machineries	3	Capital
Construction of a high tech ploy tunnel for nursery	3	Capital
Construction of security huts	0.2	Capital
Construction of an overhead tank for water storage	0.8	Capital
Upgrade the electric system	2.5	Botanic Garden Trust Fund
Establishment of Lightning protective system	3	Botanic Garden Trust Fund
Establishment of a drinking water supply system (phase 11)	2	Capital
Upgrade living collections and ex-situ conservation activities	0.5	Capital
Prepare and fix plant labels, display boards, descriptive boards	0.1	Capital
Construction of the garage, stores and field office (75'*20')	5	Capital
Road development in floriculture section	3	Capital
Land improvements and other overheads (development of palm collection, fernery, Japanese garden, rose garden)	5.2	Capital
Establishment of garden benches	0.3	Capital
Establishment of the chain link /protective fence	3.5	Capital
Required Total Provision	32.1	
National Herbarium		
Botanical survey of Sri Lanka	2.5	Botanic Garden Trust Fund
Upgrade scientific services	1.9	Botanic Garden Trust Fund
Publication of botanical information	1.1	Botanic Garden Trust Fund

Programmes/Activities	Allocation (Rs. Mn)	Fund Source
Education and training	2.5	Botanic Garden Trust Fund
Curation of herbarium collection	5	Botanic Garden Trust Fund
Purchase office equipment	0.2	Botanic Garden Trust Fund
Required Total Provision	13.2	
Meegallawa Haritha Piyasa Training Centre		
Establishment of shade house	2	Capital
Establishment of electric fence	1.5	Capital
Establishment of sales center	1.5	Capital
Establishment of irrigation system	1	Capital
Establishment of Garden benches	0.5	Capital
Land improvements and other overheads	3	Capital
Completion of renovation of old building	0.5	Capital
Required Total Provision	10	
Education and Training		
Supply facilities for conducting courses and other maintenance	2	Botanic Garden Trust Fund
Capacity building of staff	2.5	Capital and Botanic Garden Trust Fund
Required Total Provision	4.5	
Upgrade Head Office and botanic gardens facilities		
Upgrade facilities at the Head Office	3.4	Capital and Botanic Garden Trust Fund
Promotional activities and garden beatification	15.15	Capital and Botanic Garden Trust Fund
Purchase office furniture	0.4	Botanic Garden Trust Fund
Required Total Provision	18.95	
Total	387.7	