



Kerala Forest & Wildlife Department

**ADMINISTRATION REPORT
2015-16**



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Kerala Forest Department

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Chapter 1

INTRODUCTION

1.1 History of Forest Management in Kerala

1.1.1 **Evolution of the department:** - Kerala Forest Department (KFD) is one among the very old departments of the State. The department has evolved over the last one and half centuries, in response to changing forest policies, management priorities and demands on the forests. By and large it had inherited the basic institutional framework of the colonial forest administration, with the emphasis on protection and revenue generation with limited involvement of the public. Now the policy and strategy is to conserve forest and bio-diversity with participation of people living in and around forests [Joint Forest Management (JFM)] while maintaining ecological integrity.

1.1.2 Before independence, the forests of Kerala were under 3 different administrations namely, British Rule for Malabar area, the rule of King of Cochin for erstwhile Cochin State and the rule of King of Travancore for erstwhile Travancore State. Madras Forest Act 1882, Cochin Forest Regulation Act 1905 and Travancore Forest Act 1887 were applicable in respective areas. During the British and Princely States era, the entire western coast areas had luxuriant growth of forest vegetation. More than 90 % of the geographical area along the Western Ghats, more than 75 % geographical area along the mid land and more than 60% geographical area along the coast had luxuriant forest vegetation. The low population that existed at that point of time had for religious or other reasons protected and conserved these forests in its pristine glory. Thus, till independence and subsequent amalgamation of the Princely States, more than 75% of the geographical area was under forest. But, after independence, by the early 1950s, encroachments in the forest areas had taken place and it continued till the 1960s and early 1970s reducing the extent of forest very drastically.

1.1.3 When Travancore and Cochin States were reorganized on the 1st July 1949, the department had eight forest divisions, viz; Thiruvananthapuram, Kollam, Shencotta (now in Tamil Nadu), Konni, Malayattur, Chalakkudy, and Thrissur. In 1950, these divisions were brought under two territorial circles with their headquarters at Kollam and Thrissur. When the unified Kerala was formed on the 1st November 1956, with the erstwhile Princely States of Travancore, Cochin and Malabar which was part of Madras Presidency, in terms of the States Reorganisation Act 1956, forest department was also reorganized into three Territorial Circles, viz; Kollam, Chalakkudy and Kozhikkode, with fourteen forest divisions, viz; Thiruvananthapuram, Thenmala, Punalur, Konni, Ranni under Kollam circle, Kottayam, Malayattur, Chalakkudy, Thrissur under Chalakkudy circle and Nemmara, Palakkad, Kozhikkode, Wayanad under Kozhikkode circle. The forest boundaries of these divisions and ranges were notified vide G.O (Ms) No. 683/Agriculture-Forest-A, dated: 27.06.1958.

1.1.4 Expansion of the department :- In 1960, a new development circle with headquarters at Thrissur was formed with newly created five special divisions namely, teak plantation division- Parambikulam, Liaison division -Sungam, Grass Land Afforestation division- Pamba (Peerumedu), Hydel division -Kottayam and Tramway division -Chalakkudy. In 1961, the Kerala forest school based at Walayar in Palakkad district was established and added to the development circle. Again, during 1964-65, for raising large scale economically valuable plantations of teak and other species, after removing less valuable heterogeneous miscellaneous forest growth, four more special divisions, viz; Kallar valley teak plantation-(Achencoil) division, teak plantation division- Edamalayar, packing paper scheme division - Kalady and industrial plantation division -Perumbavoor were created under the development circle.

1.1.5 In July 1965, an industrial plantation circle with headquarters at Thrissur was formed, having five divisions namely, Perumbavoor, Perumuzhy, Kalady, Vazhachal and Kothamangalam. Consequently, the number of divisions under the development circle was reduced to seven by excluding Chalakkudy- Tramway Division and including the Forest School. Subsequently, as per G.O (Ms) No. 1136/68/Agri. dated: 01.04.1968, the development circle was abolished and its seven divisions were brought under the territorial circles. In 1971, a Vested Forest (Special) circle having its headquarters at Kozhikkode was established with four special divisions, viz; Palakkad, Nilambur, Kozhikkode and Thalassery to manage the private forests vested in Government under the Kerala Private Forests (Vesting and Assigning) Act, 1971. In the year 1971, a rubber plantation circle based at Punalur was created for raising rubber plantations for providing permanent employment to the Srilankan repatriates and it was subsequently wound up during 1976, as it was converted into a limited company called rehabilitation plantations Ltd, Punalur.

1.1.6 There was gradual expansion of manpower and administrative units during the last fifty years. Thus, in 1972, department had three territorial circles (Southern, Central, and Northern) and five functional circles, i.e. (i) working plan and research (WP&R) circle (ii) industrial plantations circle(IPC) (iii) special circle, Kozhikkode (iv) vigilance and evaluation circle and (v) rubber plantations circle. In those days, department had two Chief Conservators of Forests (CCF). Apart from the above, two more posts of Conservators were created for planning and industries in 1972.

1.1.7 In order to streamline the disposal of timber through public auctions, separate timber sales divisions headed by Assistant Conservator of Forests (ACF) were constituted and they started functioning with headquarters at Thiruvananthapuram, Punalur, Perumbavoor and Kozhikkode in December 1977 under the respective territorial circles, for marketing the timber through Government timber depots. Pathanapuram depot for Kollam circle, Mudikkal depot for Thrissur circle and Kallai depot for Kozhikkode circle were notified on 31.03.1973 as the central depots for receiving rosewood from all over Kerala and for marketing the same. At present, there are six timber sales divisions, viz; Thiruvananthapuram, Punalur, Kottayam, Perumbavoor, Palakkad and Kozhikkode with 28 timber depots.

1.1.8 On 15.04.1980, Mankulam special division was formed for protection of 22253 acres of land resumed under Kannan Devan Hills (KDH) (Resumption of lands) Act and handed over by the revenue department to forest department for protection. The entire land so received from the revenue department and managed thereafter in Mankulam division was notified under Section 4 of Kerala Forest Act as reserved forest vide G.O (Rt) No. 384/2007/F&Wld, dated: 24.05.2006.

1.1.9 Due to reorganization of the industrial plantations circle (IPC) and the Thrissur (Chalakkudy) territorial circle as per G.O (Ms) No. 34/81/AD, dated: 07-02-1981, a new territorial high range circle (HRC) was formed, with headquarters at Kottayam, abolishing the IPC. Thus Kottayam, Kothamangalam, Munnar and Mankulam territorial divisions were added to the HRC while Thrissur, Chalakkudy, Vazhachal and Malayattur territorial divisions were kept under the central circle, Thrissur.

1.1.10 **Formation of Social Forestry Wing:** - The social forestry wing was formed during the year 1982 to implement World Bank aided social forestry project. The objectives being to supply seedlings to farmers, raising plantations along roadsides, railway lines, canal banks, community lands, institution compounds and other public lands, imparting necessary training to the farmers to adopt agro-forestry models and for carrying out extension activities. A separate social forestry wing headed by a Chief Conservator of Forests (CCF), with 14 district level social forestry divisions each headed by an Assistant Conservator of Forest (ACF). Each social forestry division had range offices at the taluk level. Social forestry circle offices at Kollam and Kozhikkode were formed during the year 1984 and circle office at Ernakulam came into existence in 1994 each headed by a Conservator of Forests (CF). The district level social forestry divisions of Thiruvananthapuram, Kollam, Pathanamthitta, Alappuzha and Kottayam are under Kollam circle, Idukki, Ernakulam, Thrissur and Palakkad are under Ernakulam circle and Malappuram, Kozhikkode, Wayanad, Kannur and Kasaragod are under Kozhikkode circle.

1.1.11 In 1989, the reserved forests and vested forests falling in Palakkad and Nemmara territorial divisions and Palakkad vested forest division were amalgamated and reorganized into Palakkad, Nemmara and Mannarkkad territorial divisions G.O (Ms) No. 121/89/F&WLD, dated: 26.12.1989, with compact areas of divisions and ranges as administrative units to bring their boundaries corresponding to the district/taluk boundaries for better administrative convenience and forest protection. During the year 1990, another major organizational change took place in the department when Nilambur (Territorial) division and Nilambur (Special) division were amalgamated and reconstituted, resultantly Nilambur (North) and Nilambur (South) territorial divisions were formed. The five territorial divisions were brought under the newly formed (01.04.1988) eastern circle with headquarters at Olavakkode (Palakkad). Similarly, in January 1990, the vested forests of Kozhikkode and Thalassery special divisions and the reserved forests of Kozhikkode and Wayanad territorial divisions were also amalgamated and reorganised into Kozhikkode, Wayanad (North), Wayanad (South) and Kannur divisions, all with territorial status, to have compact areas of administrative units with the ultimate objective of having the division and range boundaries in consonance with district and taluk

boundaries respectively for better control, management and administrative convenience.

1.1.12 Consequent to the reorganization of Kasargod, Kannur, Wayanad, Kozhikkode, Malappuram, Palakkad revenue districts in 1990, the forest divisions within these districts falling under the jurisdiction of the northern circle, Kozhikkode and vested forests circle, Kozhikkode, were also reorganized into northern circle with headquarters at Kozhikkode having jurisdiction over Kozhikkode, Wayanad south, Wayanad north and Kannur territorial divisions and the newly formed eastern circle with headquarters at Olavakkode (Palakkad) having Palakkad, Nenmara, Mannarkkad, Nilambur (North) and Nilambur (South) territorial divisions.

1.1.13. To control the rampant smuggling of valuable timber and other forest produce to the neighboring Thirunelveli district of Tamil Nadu across the State borders, a new territorial forest division with headquarters at Achenkovil was formed with effect from 01.07.1993 comprising Achenkovil, Kallar and Kanayar ranges, simultaneously abolishing the existing Kallar valley teak plantations special division. Similarly, in view of large-scale illicit felling and removal of the rare and endangered sandalwood trees and consequent depletion of the stock in the sandal reserves of Marayoor, Kanthalloor and Munnar areas, special sandal division based at Marayoor was created on 08.06.2005 for ensuring effective protection of sandal from further depletion and to strengthen the administrative system. The existing Marayoor range with Marayoor and Nachivayal forest stations under Munnar division, and newly formed Kanthalloor range with new Kanthalloor and Vannanthura forest stations, was added to Marayoor sandal division.

1.1.14 Marayoor sandal wood depot had been an integral part of the Munnar forest division under the range office, Marayoor till 08.06.2005. The activities undertaken include collection, receipt, storage, processing the sandal wood from Marayoor sandal reserves and other parts of the State and its sale through public auction. With the creation of a separate forest division namely, sandal special division, the Marayoor sandal wood depot has been brought under this new division.

1.1.15 Thus by 2007, the department had five territorial circles, viz; (1) southern circle with Thiruvananthapuram, Punalur, Konni, Ranni, Thenmala, Achencovil divisions and Thiruvananthapuram and Punalur timber sales (TS) divisions (2) high range circle with Kottayam, Kothamangalam, Munnar, Mankulam, Marayoor divisions and Kottayam (TS) division (3) central circle with Thrissur, Malayattoor, Chalakkudy, Vazhachal divisions and Perumbavoor (TS) division (4) eastern circle with Palakkad, Nenmara, Mannarkkad, Nilambur (North), Nilambur (South) divisions and Palakkad (TS) division and (5) northern circle with Kozhikkode, Wayanad (North), Wayanad (South), Kannur divisions and Kozhikkode (TS) division.

1.1.16 **Formation of Wild Life Wing:** - Wildlife wing was constituted vide G.O (Ms) No.319/84/AD, dated: 02.11.1984 with effect from 01.03.1985 in accordance with the directions issued by Government of India as per letter No.6-14/82/FRY (WL), dated: 23.09.1982. In the said letter, Government of India had directed to constitute a separate wildlife wing for scientific

management of Sanctuaries and National Parks. The Government of India had also prescribed that a minimum of 33% of State's land area shall be maintained as forests out of which forests over 10% of the land areas shall be declared and managed as protected areas (PA) for conservation of wildlife and bio-diversity. It was in view of these directions a separate wildlife wing was constituted in the department to ensure scientific and sustainable management of protected areas.

1.1.17 In 1978, a separate field directorate with headquarters at Kottayam, headed by a Conservator of Forests, was created for implementation of project tiger. A separate wildlife wing was also put in place with a Chief Conservator of Forests and Chief Wildlife Warden (CWW) as its head in 1985 to strengthen the wildlife protection and conservation programmes in tune with the first National Wildlife Action Plan of 1983. As on 31.03.2015 Kerala Forest Department has 5 National Parks and 17 Wildlife Sanctuaries working harmoniously towards its goal. The details are shown below.

Sl No.	Name	Area (KM ²)	Year of formation
	National Parks		
1	Eravikulam National Park	97.000	1978
2	Silent Valley National Park	*237.520	1984
3	Anamudi Shola National Park	7.500	2003
4	Mathikettan National Park	12.817	2003
5	Pambadum Shola National Park	1.318	2003
	Wildlife Sanctuaries		
1	Periyar WLS (Tiger Reserve)	**925.000	1950
2	Neyyar WLS	128.000	1958
3	Peechi - Vazhani Wildlife Sanctuary	125.000	1958
4	Parambikulam W L S (Tiger Reserve)	*** 643.660	1973
5	Wayanad WLS	344.440	1973
6	Idukki WLS	70.000	1976
7	Peppara WLS	53.000	1983
8	Thattekkad Bird Sanctuary	25.000	1983
9	Shendurney WLS	171.000	1984
10	Chinnar WLS	90.440	1984
11	Chimmony WLS	85.000	1984
12	Aralam WLS	55.000	1984
13	Mangalavanam Bird Sanctuary	0.027	2004
14	Kurinjimala Sanctuary	32.000	2006
15	Choolannur Pea Fowl Sanctuary	3.420	2007
16	Malabar Sanctuary	**** 74.215	2009
17	Kottiyoor WLS	30.380	2011
	Total	3211.737	

* Includes 148 KM² of buffer zone added to Bhavani range during 2007

** Includes 148 KM² of Critical Tiger Core areas from Goodrical range

*** Includes Core or Critical Tiger Habitat (390.89 KM²) and Buffer zone (252.77 KM²).

**** These areas are under the administrative control of Divisional Forest Officer, Kozhikode

1.1.18 Followed by this development, all the protected areas (PAs) were brought under the wildlife wing and separate wildlife divisions (WLD) were also formed to manage them. The wildlife divisions started functioning under the field directorate. In March 1992 a new circle was formed namely, agasthyavanam biological park (ABP) circle for implementing ₹5 crore ABP project with the objectives of afforestation, eco-restoration, conservation of wildlife and promotion of wildlife tourism in degraded forests of Thiruvananthapuram forest division. Thiruvananthapuram and Shendurney WLDs (Neyyar, Peppara, and Shendurney) were brought under the control of ABP circle which had its headquarters at Thiruvananthapuram. Again with effect from 01.01.1996, a new wildlife circle based at Olavakkode (Palakkad) with Peechi, Silent Valley, Parambikulam and Wayanad WLDs (Peechi-Vazhani, Parambikulam, Wayanad WLS and Silent Valley National Park) was organized. In April 2006, this circle head was upgraded as Chief Conservator of Forests. To spearhead, manage and monitor landscape level bio-diversity conservation, rural livelihood and research activities, a bio-diversity conservation cell initially headed by a Conservator of Forests and later in April 2006 by a Chief Conservator of Forests was created with office at forest headquarters, Thiruvananthapuram. The post has been upgraded to the level of Addl. Principal Chief Conservator of Forests (APCCF) since 31.12.2011.

1.1.19 Thus by 2007, the wildlife wing had Field Directorate at Kottayam with Periyar (East), Periyar (West), Munnar and Idukki WLDs and Palakkad WL Circle with Peechi, Silent Valley, Aralam, Parambikulam and Wayanad WLDs and ABP Circle with Thiruvananthapuram and Shendurney WLDs.

1.1.20 **Formation of Vigilance and Evaluation Wing :-** For co-ordinate and systematic evaluation of forestry programmes of the department and for detecting and preventing illicit collection and transport of forest produce, a forest vigilance and evaluation wing headed by a Conservator of Forests, was established in 1971 vide G.O(Ms) No. 289/71/Agri. dated: 23.02.1971 with five field units of flying squad divisions namely, Punalur, Kottayam, Ernakulam, Palakkad, Kozhikkode assisted by flying squad ranges. In 1991 the vigilance and evaluation wing was further strengthened with the creation of two vigilance and evaluation circles based at Kottayam and Kozhikkode with Conservators of Forests to head them. Presently there are four flying squad divisions namely, Thiruvananthapuram, Punalur, Idukki, Kothamangalam under vigilance and evaluation circle, Kottayam and four flying squad divisions, viz; Ernakulam, Palakkad, Kozhikkode and Kannur under vigilance and evaluation circle, Kozhikkode. The Vigilance wing is headed by an Additional Principal Chief Conservator of Forests (APCCF) since 21.03.2011.

1.1.21 **Formation of Working Plan and Research (WP&R) Wing:** - Till 1967, preparation of working plans was undertaken under the direction of the respective territorial Conservator of Forests. With effect from 26.04.1968, a separate working plan circle was formed for working plans, research, and training. In 1976, three working plan divisions, each under the charge of a Deputy Conservator of Forests (DCF), at Kozhikkode, Thrissur and Kollam were created for the preparation/revision of working plans. Again, on 29.04.1981, the Government created three more working

plan divisions each headed by Assistant Conservator of Forests (ACF) in view of the backlog of working plan division. The Kerala forest school (KFS), Walayar which opened with effect from 01.11.1961 for imparting training in forestry to the Section Forest Officers and Beat Forest Officers and the Kerala forest school (KFS), Arippa which opened with effect from 27.05.1981 for clearing the backlog of untrained Beat Forest Officers, were also brought under the working plan & research (WP&R) circle with headquarters at Thiruvananthapuram.

1.1.22 Silvicultural research commenced in the old Malabar, which was part of former Madras Presidency in 1924. After independence, the Silvicultural Research division was established in 1952 with head quarters at Kodanad in Travancore-Cochin State to perform adoptive silvicultural research. It was subsequently shifted to Thrissur in 1958 and finally to Thiruvananthapuram in 1967. This division was brought under the working plan & research (WP&R) circle. Till 1956, the division was headed by State Silviculturist as in the other States. But in 1957, it was re-designated as Silvicultural Research Officer. The division is having six research ranges for performing field research work. A forest resources survey cell (FRSC) under the charge of an Assistant Conservator of Forests (ACF) based at Thrissur with the objective of collecting data on forest resources such as bamboos, reeds, canes, medicinal plants on a continuing basis, was created on 29.04.1981 under the working plan and research circle.

1.1.23 But in 1990-91, the Forest schools were separated from the working plan & research (WP&R) circle and brought under Conservator of Forests (Training). During the course of the implementation of externally aided Kerala Forestry Project (1998-2003) the training portfolio was redesignated as infrastructure and human resource development (IHRD). The fire training centre opened at Kulamavu in 1979 under the control of the working plan & research circle, under Indo-New Zealand Technical Cooperation Programme for imparting training to the forest personnel in preventing, controlling and combating forest fires, was also attached to the Conservator of Forests (Training). These training units are now functioning under the control of APCCF (IHRD), Thiruvananthapuram.

1.1.24 **Formation of Forest Publicity Wing:** - Forest publicity wing (which was subsequently renamed as *Forestry Information Bureau*) was created in 1979. The bureau functions as a mouth piece of the department with a view to focus public attention on the importance of forests, securing the cooperation of conservationists and tree lovers, ensuring public involvement in social forestry programmes, forest conservation and preservation, promoting public relations, publishing information on forestry and the department's achievements for the information of the public.

1.1.25 **Forest Veterinary Unit** was formed with office at Konni during 1979-80. The forest veterinary officer (FVO) visits all elephant camps periodically, reporting the health status of elephants, helping DFOs in micro chipping privately owned elephants, their suitable treatment and issue of post-mortem certificates. The FVO visits the animal rescue centers and oversees proper upkeep of animals. He also attends the veterinary matters pertaining to animals in the wild.

1.1.26 **Mini Forest Survey Unit** was established on 28.07.1982 with an Assistant Director, as its head and Kozhikode as its headquarters for attending works such as survey of new forest boundaries, re-fixation of old reserved forest boundaries, re-fixation of hill men settlements, lease holds and permanent assignments within reserved forests. Now, the wing is headed by an Assistant Director of Survey assisted by 2 Survey Superintendents, 2 Head Surveyors, a Head Draftsman, 18 Surveyors and 8 Draftsmen on deputation from survey department.

1.1.27 **Forest Station System**, the first of its kind in the country, was introduced by the department in 1988 on the police station model in lieu of beat-section system. This system was aimed at effective forest protection utilising the collective strength of staff as well as a measure to afford security to the forest protective staff. Each forest station is headed by a Deputy Range Forest Officer who is assisted by 4 to 5 Section Forest Officers and 12 to 16 Beat Forest Officers depending upon the extent and nature of the forest area under each station. At present, 114 forest stations in 57 ranges under 23 divisions are operational. Forest stations in other divisions are yet to be commissioned as the process requires creation and recruitment of additional field staff, infrastructure and financial resources.

1.1.28 **Special Forest Courts** at Manjeri, Punalur and Thodupuzha were established in 1994, for trying forest offences exclusively in view of the fact that trial of forest cases in the subordinate courts of law was taking a long time for the final disposal that resulted practical difficulties in protection related issues.

1.1.29 **The Forest Tribunal** was established in the year 1973 as per Section 7 of Kerala Private Forest (Vesting & Assignment) Act, 1971 as per G.O (Ms) No. 354/73/AD, dated: 22.10.1973. Since the district courts are barred from entertaining any petition under the Act, petitioner has to move petitions before Forest Tribunal. The Tribunal is an independent department under the administrative control of Forest and Wildlife department as per G.O (Ms) No. 45/02 / F&WLD, dated: 13.08.2002

1.1.30 **Formation of Kasaragod division** – A new divisional forest office with headquarters at Kasaragod was established vide G.O (Ms) No. 22/2012 / F&WLD, dated: 27.03.2012.

1.2 Major Milestones

- 1956 Establishment of a Development Circle at Forest Headquarters
- 1960 Establishment of a Development Circle at Thrissur for Teak and Eucalyptus Plantations in five divisions under third Five-Year Plan.
- 1961 Kerala Forest Act promulgated
- 1962 Kerala Forest School established at Walayar
- 1966 Indian Forest Service revived.
- 1971 Kerala Private Forests (Vesting & Assignment) Act 1971 Promulgated
- 1971 Kannan Devan Hills Resumption of Lands Act promulgated.

- 1972 Vigilance and Evaluation wing established
- 1973 Wildlife (Protection) Act 1972 adopted by the State
- 1975 Kerala Forest Research Institute established under the Department of Science & Technology
- 1978 Project Tiger Circle formed with Headquarter at Kottayam
- 1980 Forest (Conservation) Act 1980 promulgated
- 1981 High Range Circle created with Headquarter at Kottayam
- 1981 Industrial Plantation Circle, Perumbavoor was abolished
- 1981 Forest School established at Arippa
- 1982 Social Forestry wing was formed.
- 1984 Silent Valley declared as National Park
- 1985 Ministry of Environment & Forests in Government of India (GoI) established
- 1985 Wild Life wing established
- 1986 Head of KFD was designated as Principal Chief Conservator of Forests
- 1986 Kerala Preservation of Trees Act came into being
- 1988 National Forest Policy announced
- 1991 Convener system for forestry works introduced
- 1998 State Forest Policy - guidelines issued
- 1998 Kerala Forestry Project (World Bank Aided) commenced
- 2000 Regional CCFs appointed at Kollam and Kozhikode
- 2000 Kerala Forest (Vesting & Management of Ecological Fragile Lands) Ordinance came into being
- 2002 Forest Management Information System Wing Established
- 2003 IHRD wing established
- 2005 EFL Wing Established.
- 2005 Kerala Forest (Vesting & Management of Ecological Fragile Lands) Act came into being
- 2005 Kerala Promotion of Tree Growth on NonForest Areas Act was promulgated
- 2008 State Forest Policy.
- 2008 Head of KFD was designated as Principal Chief Conservator of Forests & Head of Forest Force.
- 2012 Kerala Forest (Regulation of Sawmills and Other Wood-based Industrial Units) Rules.

1.3 To capture the changing perception of forests and to create an impetus for focused efforts of all stakeholders, the following Vision, Mission and Objectives have been formulated for Kerala Forest Department.

1.3.1 Vision

Improving and sustaining healthy living conditions through conservation of bio diversity, protection of environment, soil, water etc. and empowering forest tribes, women and other weaker sections of the society through scientific, transparent and responsible methods.

1.3.2 Mission

Conserving forests, such that ecosystem goods and services; flow to forest dependant community and to society, without compromising on ecological integrity.

1.3.3 Objectives

1. To scientifically manage the forests adopting an ecosystem approach such that the ecosystem goods and services from the forests flow to society for posterity.
2. To conserve wildlife within and outside forests
3. To improve water regime of forest catchments so that forest provides optimum water resources to community.
4. To enhance social and cultural values of forests
5. To increase productivity of our forests and plantations
6. To manage forests on participatory and inclusive principles such that the livelihood needs of forest dependent communities are met.
7. To conserve the rich bio-diversity in forests and support community to conserve the bio-diversity outside forest areas.
8. To create awareness and provide facilities to public through eco- Tourism initiatives
9. To popularise tree planting among the public so as to effectively address the effects of global warming.
10. To protect and conserve migratory birds and their habitats.

1.4 Statutory and Non Statutory functions

- To conserve and expand unique and complex Natural Forests of Kerala for posterity, in particular with regard to water; bio diversity; extent; productivity; edaphic, environmental, historical, cultural and aesthetic values, without affecting their ecological process.
- To increase the productivity of Forest Plantations through appropriate management interventions and use of modern technology.
- To increase the tree cover both in non forest areas and forest areas.
- To conserve, maintain and enhance the existing gene pool of the State for posterity.
- To reduce pressure on forest through appropriate interventions.
- To enhance the standard of living of the tribes and other forest dependent communities.
- To sustainably conserve and manage bio diversity-rich and sensitive ecosystems such as mangroves, sacred groves, coastal areas, wetlands, homesteads private plantations etc. that are outside the control of forest department.
- To improve the Hydrological potential of forest and provide silt free clean run off.

1.5 Acts & Rules implemented by the department

- Indian Forest Act, 1928
- Kerala Forest Act, 1961
- Kerala Private Forests (Vesting & Assignment) Act, 1971
- The Wildlife (Protection) Act, 1972
- The Kerala Private Forests (Vesting & Assignment) Rules, 1974
- The Kerala Forest Produce Transit Rules, 1975
- The Kerala Forest (Preservation, Reproduction & Disposal of Trees & Timber belonging to Govt. but grown on lands in the occupation of Private Persons) Rules, 1975
- The Kerala Forest Produce (Fixation of Selling Price) Act, 1978
- The Kerala Forest Produce (Fixation of Selling Price) Rules, 1978
- The Kerala Wildlife (Protection) Rules, 1978
- The Kerala Vested Forests (Management of Reserved Areas) Rules, 1980
- The Kerala Rules for Payment of Compensation to Victims of Attacks by Wild Animals, 1980
- The Forest (Conservation) Act, 1980
- The Kerala Grants & Leases (Modification of Rights) Act, 1980
- The Kerala Preservation of Trees Act, 1986
- The Environment (Protection) Act, 1986
- The Environment (Protection) Rules, 1986
- The Kerala Forest Development Fund Rules, 1989
- The Kerala Forests Resources Development Fund Rules, 1989
- The Kerala Grants & Leases (Modification of Rights) Rules, 1990
- The Wildlife (Protection) Rules, 1995
- The Kerala Forest (Prohibition of felling of trees standing on land temporarily or Permanently assigned) Rules, 1995
- The Kerala Forest (Vesting & Management of Ecologically Fragile Lands) Act, 2003
- The Kerala Captive Elephants (Management & Maintenance) Rules, 2003
- The Forest (Conservation) Rules, 2003
- The Kerala (Promotion of Tree Growth in Non Forest Land Areas) Act, 2005
- The Scheduled Tribes & other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006
- The Scheduled Tribes & other Traditional Forest Dwellers (Recognition of Forest Rights) Rule, 2007
- The Kerala Forest (Vesting & Management of Ecologically Fragile Land) Rules, 2008
- The Kerala (Promotion of Tree Growth in Non-forest Areas) Rules – 2011.

1.6 Constitution of State Forests

1.6.1 The forest area under the administrative charge of forest department is 11309.4754 KM² at the close of the year 2015-16 and forms 29.1 % of the total geographical area of Kerala State (38863 KM²) against the National average of 19%. The per capita forest land of the State as per 2011 census is 0.034 Ha. The total plantation area is 1549.5033 KM² which accounts 13.7 % of the total forest area.

1.6.2 The distribution of forest area according to legal status is given below

Reserve Forest	:	9176.3016 KM ² (inclusive of 90.06 KM ² of Mankulam division and 69.095 KM ² of Kannan Devan Hills(KDH) in Munnar division notified under section 4 of Kerala Forest Act)
Proposed Reserve	:	295.3781 KM ²
Vested forest & Ecologically fragile land	:	1837.7957 KM ²
Total Forest Area	:	11309.4754 KM²

This shows that of the total forest area, 81.14 % comes under Reserve Forest, 2.61 % under proposed reserve, 16.25 % under vested forest and ecologically fragile land (EFL).

1.6.3 The circle and division wise distribution of forest area (KM²) according to legal status at the close of the year 2015-16 is given below.

Sl No.	Division	Reserve Forests	Proposed Reserve	Vested Forests & EFL	Total	%
I. Southern Circle, Kollam						
1	Thiruvananthapuram	359.1240	5.8253	3.6510	368.6003	3.26
2	Thenmala	123.4320	-	7.7350	131.1670	1.16
3	Achencoil	284.3298	-	0.2082	284.5380	2.52
4	Ranni	1050.3360	7.1600	1.5680	1,059.0640	9.36
5	Punalur	280.0510	-	0.1690	280.2200	2.48
6	Konni	320.6430	11.0210	-	331.6640	2.93
Total		2417.9158	24.0063	13.3312	2,455.2533	21.71
II. High Range Circle, Kottayam						
7	Kothamangalam	316.8451	-	0.1576	317.0027	2.80
8	Munnar	440.4900	175.2750	2.4500	618.2150	5.47
9	Marayoor	13.9720	47.2600	0.0760	61.3080	0.54
10	Mankulam	90.0600	-	-	90.0600	0.80
11	Kottayam	627.2870	-	31.9670	659.2540	5.83
Total		1488.6541	222.5350	34.6506	1745.8397	15.44
III. Central Circle, Thrissur						
12	Vazhachal	413.9440	-	-	413.9440	3.66
13	Chalakyudy	279.7098	-	-	279.7098	2.47
14	Malayattoor	617.2411	0.5248	-	617.7659	5.46
15	Thrissur	293.7430	-	4.3137	298.0567	2.64
Total		1604.6379	0.5248	4.3137	1609.4764	14.23

Sl No.	Division	Reserve Forests	Proposed Reserve	Vested Forests & EFL	Total	%
IV. Eastern Circle, Palakkad						
16	Mannarkkad	150.7322	-	271.7213	422.4535	3.74
17	Nilambur North	57.9196	0.0171	340.7032	398.6399	3.52
18	Nilambur South	267.3894	-	57.8888	325.2782	2.88
19	Palakkad	73.4100	-	162.0847	235.4947	2.08
20	Nenmara	205.5170	-	150.2104	355.7274	3.15
Total		754.9682	0.0171	982.6084	1737.5937	15.37
V. Northern Circle, Kannur						
21	Kozhikode	24.3998	22.9660	243.0856	290.4514	2.57
22	Wayanad North	134.0240	15.0640	65.8527	214.9407	1.90
23	Wayanad South	66.1381	6.8449	274.6810	347.6640	3.07
24	Kannur	121.3702	0	65.2014	186.5716	1.65
25	Kasargod	86.0221	0	33.7083	119.7304	1.06
Total		431.9542	44.8749	682.5290	1159.3581	10.25
I. Wildlife Circle, ABP						
25	Thiruvananthapuram (WL)	212.0000	-	-	212.0000	1.87
26	Shenthuruni	166.4200	-	4.5800	171.0000	1.51
Total		378.4200	-	4.5800	383.0000	3.38
II. FDPT, Kottayam						
27	Periyar East	618.0000	-	-	618.0000	5.46
28	Periyar West	157.0000	-	-	157.0000	1.39
29	Munnar	276.8450	-	-	276.8450	2.45
30	Idukki	130.5240	-	-	130.5240	1.15
Total		1182.3690	-	-	1182.3690	10.45
III. Wildlife Circle, Palakkad						
31	Parambikulam	274.1408	-	-	274.1408	2.42
32	Wayanadu (WL)	344.4400	-	-	344.4400	3.05
33	Silent Valley	154.3800	-	83.1400	237.5200	2.10
34	Peechi	122.0644	3.4200	-	125.4844	1.11
35	Aralam	22.3572	-	32.6428	55.0000	0.49
Total		917.3824	3.4200	115.7828	1036.5852	9.17
Grand Total		9176.3016	295.3781	1837.7957	11309.4754	

- Reconciliation process on forest area is being done. The figures furnished above are subject to minor variations in this process.
- Vide gazette No. 1741 dt.12.07.15 and gazette No. 2833 dt.16.12.15, 237.916 Ha. mangrove forests in Kannur District was notified as Reserve Forest (under section 19).
- Vide GO(P) No.47/2015 F&WLD dated: 29.06.2015, an extent of 65.16 Ha in South Wayanad division was notified as proposed reserve

1.6.4 Classification of forest area as on 31.03.2016 is given below.

Sl No.	Type	Area (KM ²)	% total
1	Tropical Wet Evergreen and Semi Evergreen	3877.4413	34.28
2	Tropical Moist Deciduous	3615.9840	31.97
3	Tropical Dry Deciduous	391.3636	3.46
4	Montane Sub-tropical Temperate sholas	386.4210	3.42
5	Plantations	1549.5033	13.7
6	Grass Lands	501.0865	4.43
7	Others	987.6757	8.73
Total		11309.4754	

1.6.5 The distribution of forest area according to utilization as on 31.03.2016 is given below

Sl No.	Mode of utilisation	Area ((KM ²))	% to total
1	Dense Forests / Degraded Forest	8852.8761	78.28
2	Plantation	1549.5033	13.70
3	Area under lease	523.7198	4.63
4	Forest land diverted under FCA	383.3762	3.39
	Total	11309.4754	

1.6.6 The species wise distribution of plantation area as on 31.03.2016 is given below

Sl No.	Species	Area (Ha.)	Sl No.	Species	Area (Ha.)
1	Teak	77440.840	18	Anjili	585.039
2	Teakwood & Soft wood	13537.283	19	Kambakam	462.240
3	Acacia Mangium	3048.425	20	Elavu	600.980
4	Acacia auriculiformis	6482.983	21	Rubber	44.370
5	Eucalyptus	7136.528	22	Balsa	21.040
6	Cane	2946.692	23	Wattle	1285.620
7	Bamboo	5347.263	24	Matti	486.310
8	Rosewood	45.130	25	Cashew	4694.819
9	Mahogany	478.356	26	Agave	41.640
10	Sandalwood	73.840	27	Alnus	74.35
11	Other Hardwood	502.810	28	Sesbania	21.070
12	Reeds	415.960	29	Casuarina	52.630
13	Pepper	100.000	30	Silver Oak	134.530
14	Medicinal Plants	2025.200	31	Mangroves	373.189
15	Gravellia Robusta	490.368	32	Fruit bearing	315.543
16	Pine	608.976	33	Miscellaneous	24955.971
17	Albezzia	120.330			
Total					154950.325
(This area includes plantations in protected areas also)					

1.6.7 Outturn of timber during 2015-16 is shown below

Sl No.	Species	Unit	Receipts
1	Teak	M ³	25282.341
2	Rosewood	„	148.42
3	Mahogani	„	14.75
4	Anjili	„	343.54
5	Kambakom	„	40.042
6	Thembavu	„	272.339
7	Venga	„	48.35
8	Venteak	„	340.22
9	Jack/ Plavu	„	347.73

Sl No.	Species	Unit	Receipts
10	Maruthu	„	1823.34
11	Manimaruth	„	76.20
12	Irul	„	999.70
13	Mulluvenga	„	313.90
14	Unnam/Chadachi	„	538.08
15	Thanni	„	330.26
16	Karimthakara	„	1.22
17	Pathiri	„	3.72
18	Poovam	„	89.44
19	Myla	„	4.246
20	Kunnivaka	„	163.26
21	Kanjiram	„	2.601
22	Kanikonna	„	2.254
23	Mavu	„	9.29
24	Redcidar/ Chandanavembu	„	62.14
25	Poon/Punna/Punnavu	„	56.51
26	Cheeni	„	34.16
27	Kulamavu	„	305.73
28	Kumbil	„	16.31
29	Vellapine	„	5.893
30	Venkotta	„	0.000
31	Elavu	„	272.89
32	Pala / Mukkampala	„	132.01
33	Vaka	„	138.52
34	Akil	„	16.561
35	Manjakadambu	„	18.78
36	Poochakadambu	„	0.000
37	Kara /Rudraksham	„	2.16
38	Malaveppu	„	32.48
39	Vatta	„	239.02
40	Kannanvaka	„	1.056
41	Cheru	„	63.121
42	Njaval	„	35.511
43	Silver Oak	„	31.745
44	Gulmohar	„	3.152
45	Karimurukku	„	1.706
46	Aval	„	2.516
47	Arayanjili	„	6.045
48	Chuvannakil	„	16.267
49	Kadambu	„	0.824
50	Matti	„	23.023
51	Nasakom	„	0.694
52	Vazhapunna	„	14.887
53	Kanakitha	„	2.884
54	Murikku	„	6.481
55	Azhanthal	„	0.609
56	Kilinji	„	3.998

Sl No.	Species	Unit	Receipts
57	Ambazham	,,	3.526
58	Spathodia	,,	3.847
59	Ponpathiri	,,	8.391
60	Karilavu	,,	6.705
61	Miscellaneous	,,	8008.516
62	Eucalyptus	MT	4558.31
63	Bamboo	MT	5718.27
64	Reeds	MT	5552.91
65	Fire wood / Billets	MT	5831.27
66	Acacia	MT	10995.09
67	Teak poles	MT	9354.813
68	Miscellaneous poles	MT	459.600
69	Sandalwood	Kg	68644.600

Chapter 2

ORGANISATIONAL SET UP

2.1 The organisational structure of the department

2.1.1 During the year 2015-16, the department was headed by the Principal Chief Conservator of Forests and Head of Forest Force (PCCF& HoFF). The Principal Chief Conservator of Forests is the Chief Advisor to the State Government on all forestry matters and is liable and responsible for the implementation of various activities and projects under Plan, Non plan and Centrally Sponsored Schemes. The Principal Chief Conservators of Forests, Additional Principal Chief Conservators of Forests and Chief Conservators of Forests assist the PCCF & HoFF in the day to day management of the department and in the implementation of various activities and projects.

The Organisational structure of the department is as follows:

Organisational set up during 2015-16

Offices	Officers
Office of the Principal Chief Conservator of Forests & Head of the Forest Force.	Principal Chief Conservator of Forests (Development & Participatory Forest Management)
	Principal Chief Conservator of Forests (Wildlife) & Chief Wildlife Warden
	Principal Chief Conservator of Forests (Social Forestry)
	Principal Chief Conservator of Forests (Working Plan & Research) & Custodian, EFL
	Addl. Principal Chief Conservator of Forests (SR, Kollam)
	Addl. Principal Chief Conservator of Forests (NR, Kozhikode)
	Addl. Principal Chief Conservator of Forests (Finance, Budget, Audit)
	Addl. Principal Chief Conservator of Forests (Forest, Land & Resources).
	Addl. Principal Chief Conservator of Forests (Vigilance & Forest Intelligence).
	Addl. Principal Chief Conservator of Forests (Administration)
	Addl. Principal Chief Conservator of Forests (IHRD)
	Addl. Principal Chief Conservator of Forests (FMIS).
	Addl. Principal Chief Conservator of Forests (E&TW).
Addl. Principal Chief Conservator of Forests (Planning).	

Offices	Officers
	Addl. Principal Chief Conservator of Forests (SA & NO)
	Chief Conservator of Forests (Tribal Rehabilitation Commissioner)
	Director, Forestry Information Bureau.
Office of the Principal Chief Conservator of Forests (Social Forestry)	APCCF (IHRD), CCF (SF), Kozhikode, CCF (SF), Ernakulam, CCF (SF), Kollam, Forestry Information Bureau (FIB).
Office of the Principal Chief Conservator of Forests (Wildlife) & Chief Wildlife Warden	APCCF (BDC), CCF (ABP), Thiruvananthapuram, FD (PT), Kottayam, CCF (WL), Palakkad.
Office of the Principal Chief Conservator of Forests (Development & Participatory Forest Management)	APCCF (D), APCCF (E&TW), DCF(D), ACF(Planning)
Office of the Principal Chief Conservator of Forests (Working Plan & Research)	CCF (WP&R), DD(Statistics)
Office of the Addl. Principal Chief Conservator of Forests (Development)	DCF (Development), Senior Finance Officer.
Office of the Addl. Principal Chief Conservator of Forests (Eco-Development & Tribal Welfare)	DCF(ED &TW) , ACF(BDC), ACF(ACM)
Office of the Addl. Principal Chief Conservator of Forests (Protection.)	DCF (Protection), DCF (Co-ordination) & Law Wing
Office of the Addl. Principal Chief Conservator of Forests (Vigilance.)	CF (I & E), Kozhikode, CF (I & E), Kottayam
Office of the Addl. Principal Chief Conservator of Forests (Admn.)	DCF (Admn) & Sr. AO
Office of the Addl. Principal Chief Conservator of Forests (Regional South), Kollam	CCF (SC), Kollam & CCF (HRC), Kottayam

Offices	Officers
Office of the Addl. Principal Chief Conservator of Forests (Regional North), Kozhikode	CCF (CC), Thrissur, CCF (NC), Kannur, CCF (EC), Olavakkode, & AD Mini Survey
Office of the Addl. Principal Chief Conservator of Forests (I H R D)	State Forest Training Institute(SFTI), Walayar, State Forest Training Institute, Arippa, Fire Control Training Institute, Arippa, Forestry Training Institute, Arippa, & Forestry Training Center, Thiruvananthapuram
Office of the Chief Conservator of Forests (WP & R)	DCF(WP) North,Central and South , Deputy Director (Statistics) WPO-Kollam, WPO-Punalur, WPO-Achencoil, WPO-Munnar, WPO-Palakkad, WPO-Kozhikode, FRS Cell
Office of the Chief Conservator of Forests (SF), Ernakulam	ACF (SF), Palakkad, Thrissur, Ernakulam, Idukki, NSC Kalady.
Office of the Chief Conservator of Forests (SF), Kollam.	ACF (SF), Thiruvananthapuram, Kollam, Alapuzha, Pathanamthitta, Kottayam.
Office of the Chief Conservator of Forests (SF), Kozhikode	ACF (SF), Kasaragode, Kannur, Wayanad, Malappuram, Kozhikode.

Name of Officers in charge of the various wings during 2015-16

Sl No.	Office	Name	Designation	Period		Remarks
				From	To	
Headquarters wings						
1	Principal Chief Conservator of Forests & HoFF	Dr. B S Corrie, IFS	Principal Chief Conservator of Forests & HoFF	01.12.2014	31.03.2016	
2	Wild life	Sri. G.Harikumar, IFS	Principal Chief Conservator of Forests (Wildlife) & Chief Wildlife Warden	22.04.2014	31.03.2016	
		Smt.Sobhana.K.S.Rao, IFS	Additional Principal Chief Conservator of Forests (Wildlife)	24.06.2014	20.06.2015	
		Sri. D. Jayaprasad, IFS		28-10-2015	21-11-2015	
		Sri. K J Varghese, IFS		21-11-2015	18-12-2015	The post now ceases to exist.
3	Social Forestry	Dr.B.S.Corrie, IFS	Principal Chief Conservator of Forests (Social Forestry)	01-12-2014	10-06-2015	During the intervening period, Sri.L.K.Varshney was holding full additional charge.
		Sri.V.K.Uniyal, IFS		11.06.2015	31-08-2015	
		Sri.C.S.Yalakki, IFS		29-10-2015	31.03.2016	
4	Development & Participatory Forest Management	Sri. S. C. Joshi, IFS	Principal Chief Conservator of Forests (D&PFM)	07-02-2014	18-12-2015	The post of PCCF (D&PFM) equated to that PCCF (Forest Management) w.e.f 18-12-2015

Sl No.	Office	Name	Designation	Period		Remarks
				From	To	
5	Development	Sri.L.K.Varshney, IFS	Additional Principal Chief Conservator of Forests (Development), re-designated as Additional Principal Chief Conservator of Forests(Finance, Budget & Audit)	23.01.2013	25-08-2015	
				03-09-2015	31.03.2016	
6	Development & Project	Sri.C.S.Yalakki, IFS	Additional Principal Chief Conservator of Forests (D&P)	20.10.2014	28-10-2015	The post now ceases to exist.
7	Administration	Sri. K G Mohanlal, IFS	Additional Principal Chief Conservator of Forests (Administration)	22-08-2014	31-01-2016	
		Sri. K J Varghese, IFS		01-02-2016	31.03.2016	
8	Bio Diversity Cell	Sri. O P Kaler, IFS	Additional Principal Chief Conservator of Forests (Bio diversity Cell)	14.03.2013	30-04-2016	
9	Vigilance	Sri. Surendra Kumar, IFS	Additional Principal Chief Conservator of Forests (Vigilance&Forest Intelligence)	20-10-2014	10-01-2016	During the intervening period Dr.Amit Mallick was holding full additional charge
		Sri.P K Kesavan, IFS		01-02-2016	31.03.2016	
10	FMIS	Sri.L.K.Varshney, IFS	Principal Chief Conservator of Forests (FMIS)	18-12-2015	31-01-2016	The post stands abolished w.e.f 04-02-2016
		Sri. S.C.Joshi, IFS		01-02-2016	04-02-2016	

Sl No.	Office	Name	Designation	Period		Remarks
				From	To	
		Sri.Ganga Singh,IFS	Additional Principal Chief Conservator of Forests (FMIS)	17.10.2014	03.10.2015	During the intervening period Sri.P.K. Pathak, IFS was holding full additional charge
		Sri.E.Pradeep Kumar, IFS	Additional Principal Chief Conservator of Forests (FMIS), Kannur	01.01.2016	17.02.2016	
		Sri.P.K. Pathak, IFS	Additional Principal Chief Conservator of Forests (FMIS), Thiruvananthapuram	29.02-2016	31.03.2016	Additional charge
11	Working Plan & Research	Sri.S.Gopalakrishnan, IFS	Chief Conservator of Forests (WP&R)	27.10.2014	31-12-2015	During the intervening period Sri.K A Mohammed Noushad, IFS was holding full additional charge
		Sri. Jupudi Prasad, IFS		10-02-2016	31-03-2016	
		Sri.G.J.Teggi, IFS	Principal Chief Conservator of Forests (WP&R)	01.01.2015	29-02-2016	
		Sri. T P Narayanankutty, IFS		01-03-2016	31.03.2016	
12	Eco-Development & Tribal Welfare	Sri. K J Varghese, IFS	Additional Principal Chief Conservator of Forests (Eco Development and Tribal Welfare)	02.07.2014	31-01-2016	
				01-02-2016	31.03.2016	Additional charge

Sl No.	Office	Name	Designation	Period		Remarks
				From	To	
13	Protection	Sri. T P Narayanankutty, IFS	Additional Principal Chief Conservator of Forests (Protection) now re-designated as Additional Principal Chief Conservator of Forests(Forest, Land & Resources)	18.10.2014	29-02-2016	Additional charge
		Sri.P K Kesavan, IFS		01-03-2016	31.03.2016	
14	IHRD	Sri.Shripal, IFS	Additional Principal Chief Conservator of Forests (IHRD)	26.08.2014	31-12-2015	
		Sri.S.Gopalakrishnan, IFS		01-01-2016	31.03.2016	
15	Spl. Afforestation & Nodal Officer	Sri. D K Verma, IFS	Additional Principal Chief Conservator of Forests (Spl.Afforestation) & Nodal Officer	01.07.2014	31.03.2016	
16	Planning	Dr. Mehar Singh, IFS	Additional Principal Chief Conservator of Forests (Planning)	21.06.2014	20.07.2015	From 20-07-2015 to 31-07-2015, holding full additional charge.
		Sri. K A Mohammed Noushad, IFS		28-10-2015	29-01-2016	During the intervening period Sri. O.P.Kaler, IFS was holding full additional charge

Sl No.	Office	Name	Designation	Period		Remarks
				From	To	
		Sri. Jupudi Prasad, IFS		08-02-2016	31-03-2016	During the intervening period Sri. T P Narayanankutty, IFS was holding full additional charge
		Sri.S.Gopalakrishnan, IFS		01-04-2016	31.03.2016	Additional charge
17	Ecologically Fragile Land(EFL)	Sri. G.J. Teggi, IFS	Custodian, EFL	29.01.2013	29-02-2016	
		Sri. T P Narayanankutty, IFS		01-03-2016	31.03.2016	
18	Forest Management	Dr. Mehar Singh, IFS	Principal Chief Conservator of Forests (Forest Management)	21.07.2015	31.07.2015	During the intervening period, Sri.L.K.Varshney was holding full additional charge.
		Sri.L.K.Varshney,IFS		26.08.2015	18.12.2015	
		Sri. S.C.Joshi, IFS		19.12.2015	31.01.2016	
		Sri. K G Mohanlal, IFS		01.02.2016	31.03.2016	
Regions						
1	Regional South, Kollam	Sri. Jupudi Prasad, IFS	Additional Principal Chief Conservator of Forests (Regional South, Kollam)	14.11.2012	31-01-2016	
		Sri. K A Mohammed Noushad, IFS		01-02-2016	31.03.2016	

Sl No.	Office	Name	Designation	Period		Remarks
				From	To	
2	Regional North, Kozhikkode	Shri. P K Kesavan, IFS	Additional Principal Chief Conservator of Forests (Regional North), Kozhikkode	25.06.2014	31-01-2016	During the intervening period, Sri. P K Kesavan, IFS was holding full additional charge.
		Sri.E.Pradeep Kumar, IFS		19-02-2016	31.03.2016	
Territorial Circles						
1	Southern Circle, Kollam	Dr.P.Pugazhendi,IFS	CCF	16.02.2015	07.10.2015	
		Sri.S.Gopalakrishnan,IFS	CCF	07.10.2015	Continuing	
2	High Range Circle, Kottayam	Sri.Justin Mohan, IFS	CCF	20.10.2014	13.08.2015	Additional charge
		Dr.Amith Mallick, IFS	CCF	13.08.2015	22.09.2015	
		Sri.S.Gopalakrishnan,IFS	CCF	22.09.2015	27.01.2016	
		Dr.Amith Mallick, IFS	CCF	27.01.2016	Continuing	
3	Central Circle, Thrissur	Sri.G.Phanindra Kumar Rao, IFS	CCF	04.02.2013	27.01.2016	On central deputation
		Sri.Rajesh Ravindran, IFS	CCF	01.02.2016	Continuing	
4		Sri.Rajesh Ravindran, IFS	CCF	01.04.2015	31.12.2015	

Sl No.	Office	Name	Designation	Period		Remarks
				From	To	
	Eastern Circle, Palakkad	Sri.L.Chandrasekhar, IFS	CCF	01.01.2016	Continuing	
5	Northern Circle, Kannur	Sri.E.Pradeep kumar, IFS	CCF	26.11.2015	Continuing	
Wildlife Circles						
1	ABP, Thiruvananthapuram	Sri.B.R. Vijaya kumar, IFS	CCF	03.03.2014	30.04.2015	
		Sri.S.Gopalakrishnan, IFS	CCF	01.05.2015	19.06.2015	Additional charge
		Sri. Rajan Saigal, IFS	CCF	20.06.2015	30.06.2015	On study leave
		Sri. O P Kaler, IFS	CCF	01.07.2015	Continuing	Additional charge
2	FDPT, Kottayam	Dr.Amit Mallick, IFS	CCF	31.01.2014	Continuing	
3	Wildlife, Palakkad	Sri.Pramod G Krishnan, IFS	CCF	01.04.2015	Continuing	
Social Forestry Circles						
1	SF Kollam	Sri. K A Mohammed Noushad, IFS	CCF	23.07.2011	27.10.2015	
		Sri. K A Mohammed Noushad, IFS	CF	28.10.2015	Continuing	Additional charge

Sl No.	Office	Name	Designation	Period		Remarks
				From	To	
2	SF Ernakulam	Sri.G.P.K.Rao, IFS	CCF	01.03.2015	06.05.2015	Full additional charge
		Sri.L.Chandrasekhar, IFS	CCF	07.05.2015	31.12.2015	
		Sri.K.Vijayanathan, IFS	CF	01.01.2016	Continuing	
3	SF Kozhikkode	Sri.E.Pradeep Kumar, IFS	CCF	21.12.2012	26.12.2015	
		Sri.E.Pradeep Kumar, IFS	CF	27.12.2015	Continuing	Additional charge

2.1.2 For the general management and administration of the forests of the State there are 11 Forest Circles (Territorial:5, WL:3 and SF:3) headed by an officer of and above the capacity of Conservator of Forests. Each circle is comprised of few forest divisions. Each forest division is headed by a Divisional Forest Officer (DFO). Each forest division is comprised of a number of forest ranges. Each forest range is headed by a Range Forest Officer (RFO). The number of forest circles, forest divisions and forest ranges under various wings of the department are given below.

Category	Circles	Divisions	Ranges
Territorial	5	25	76
Wildlife	3	11	27
Social Forestry	3	17*	32
Nature Study Centre		1	1
Working Plan & Research	1	9**	
Vigilance	2	8	
Timber Sales (functional)		6	
Training	1	2	
Total	15	79	136

* 3 of which are SF Extensions

** 2 of which are Research divisions

2.1.3 The organisational structure of the Forest Circles is given below.

Territorial Circles	Territorial Divisions	Functional
1. Southern Circle, Kollam	1. Thiruvananthapuram	1.Timber Sales Division, Thiruvananthapuram 2.Timber Sales Division, Punalur
	2. Thenmala	
	3. Punalur	
	4. Konni	
	5. Ranni	
	6. Achencovil	
2. High Range Circle, Kottayam	1. Kottayam	Timber Sales Division, Kottayam
	2. Kothamangalam	
	3. Munnar	
	4.Mankulam	
	5.Marayoor	
3. Central Circle, Thrissur	1. Vazhachal	Timber Sales Division, Perumbavoor
	2. Chalakudy	
	3. Thrissur	
	4. Malayattoor	
4. Eastern Circle, Palakkad	1. Nilambur North	Timber Sales Division, Palakkad
	2. Nilambur South	
	3. Palakkad	
	4. Mannarkkad	
	5. Nenmara	

Territorial Circles	Territorial Divisions	Functional
5. Northern Circle, Kannur	1. Kozhikode	Timber Sales Division, Kozhikode
	2. Wayanad South	
	3. Wayanad North	
	4. Kannur	
	5. Kasargode	
Wildlife Circles	Wild life Divisions	
1. Agasthyavanam Biological Park, Thiruvananthapuram	1. Shenduruney 2. Thiruvananthapuram	
2. Field Director, Project Tiger, Kottayam	1. Periyar East	
	2. Periyar West	
	3. Idukki	
	4. Eravikulam	
3. Wildlife Circle, Palakkad	1. Parambikulam	
	2. Silent Valley	
	3. Wayanadu	
	4. Peechi	
	5. Aralam	
Working Plan & Research Circle	Research Divisions	Working Plan Divisions
Thiruvananthapuram	1. Research (South), Thiruvananthapuram 2. Research(North), Thrissur	1. Kollam
		2. Punalur
		3. Achencoil
		4 Munnar
		5. Palakkad
		6. Kozhikode
		7. Forest Resources Survey Cell
Social Forestry Circles		Social Forestry Divisions
1. Kollam		1. Thiruvananthapuram
		2. Kollam
		3. Pathanamthitta
		4. Alappuzha
		5. Kottayam
		6. SF Extension, Kollam
2. Ernakulam		1. Idukki
		2. (a) Ernakulam (b) Nature Study Centre (NSC), Kalady.
		3. Thrissur
		4. Palakkad

Territorial Circles	Territorial Divisions	Functional
		5. SF Extension, Ernakulam
3. Kozhikode		1. Malappuram
		2. Kozhikode
		3. Wayanad
		4. Kannur
		5. Kasargode
		6. SF Extension, Kozhikode
Vigilance Circles		Divisions
Investigation & Evaluation, Kottayam		1. Flying Squad division, Punalur
		2. Flying Squad division, Thiruvananthapuram
		3. Flying Squad division, Kothamangalam
		4. Flying Squad division, Idukki
Investigation & Evaluation, Kozhikode		1. Flying Squad division, Ernakulam
		2. Flying Squad division, Palakkad
		3. Flying Squad division, Kozhikode
		4. Flying Squad division, Kannur
Training		Institutions
Infrastructure and Human Resource Development		1. State Forest Training Institute, Arippa
		2. State Forest Training Institute, Walayar

2.1.4 Organisational chart of the department and division wise number of range offices & check posts are given in Annexure 1 & 2 respectively.

2.1.5 e-mail addresses and phone/fax numbers of offices are at Annexure 3

Chapter 3

HUMAN RESOURCES

3.1 Consequent to the introduction of Indian Forest Service as an All India Service in 1968, the organisational set up of the forest department was reoriented. Government of Kerala have nationalised the private forests in 1971 adding 1.83 lakhs hectare to the department necessitating more man power. The enactment of Wildlife (Protection) Act, 1972 enabled the expansion of wildlife sanctuaries and national parks and necessitated the formation of a separate wildlife wing with additional personnel. As the department implemented the World Bank Aided Social Forestry Project during 1984-1993, the World Food Programme during 1990-1999 and the World Bank assisted Kerala Forestry Project during 1998-2003, there were compulsions to increase and strengthen the human resource of the department and to improve their efficiency.

3.2 Kerala Forest School at Walayar, near Palakkad was established in 1961 to train Beat Forest Officers and Section Forest Officers. Prior to this, they were trained at Forest School Coimbatore. Similarly, the Forest Rangers and the State Forest Service Officers (ACFs) are given Forestry training at the Forest Rangers Colleges and State Forest Service Colleges, under the Directorate of Forest Education of the Forest Research Institute, Dehra Dun. Likewise, the Indian Forest Service Officers undergo 2-year Diploma course in forestry (Associate of Indian Forest College) at the Indira Gandhi National Forest Academy, Dehra Dun. After technical training, the Rangers undergo one year apprenticeship; Assistant Conservators undergo 2-year departmental training and the IFS officers, 6 months departmental training in the State to acquaint with the working of the departments of Forest, Revenue, Police, Judiciary and Industry and to study related aspects.

3.3 To improve the skill in fire management, the forest technical personnel were given training on modern methods of forest fire control at the Fire Training Centre, Kulamavu, established in 1979 under Indo-New Zealand Technical Co-operation Programme. This institution was closed down in 1984 and the fire training responsibilities were shifted to Forest Training Institute at Arippa. Similarly, to improve the working conditions of the organisation, and to enhance the working efficiency and skill up gradation of the forest personnel at various levels, under the World Bank assisted Kerala Forestry Project, a cross section of the staff were trained in basic computer literacy, finance management, information system and data entry for preparing accounts using FMIS software, eco-development, Geological Information System, Digital Image Analysis. Besides, some technical personnel from Rangers to Principal Chief Conservator of Forests performed study tours to understand the policies, programmes, legislations, technologies in forestry, wildlife and environment followed in countries like the United States, Australia, Brazil, etc.

3.4 There has been considerable change in the number as well as rank profile of the human resource of the organisation during the course of the last 50 years due to diversification and increase in management activities of the department.

3.5 **Staff strength** of various cadres as on 31.03.2016 is given below.

Sl No.	Category	Sanctioned Strength	In Position
1	Principal Chief Conservator of Forests*	3	6
2	Addl. Principal Chief Conservator of Forests*	4	11
3	Chief Conservator of Forests	11	9
4	Conservator of Forests	13	2
5	Dy. Conservator of Forest(IFS Cadre)	35	30
6	Forest Tribunal	1	1
7	Joint Secretary (Law)	1	1
8	Sr. Finance Officer	1	1
9	Sr. Administrative Officer	1	1
10	Deputy Director (Statistics)	1	1
11	Deputy Director (Wildlife Education)	3	3
12	Asst. Conservator of Forests/DCF(NC)	101	96
13	Sr. Administrative Assistant	9	9
14	Administrative Assistant	12	11
15	Personal Assistant	3	3
16	Senior Superintendent	34	32
17	Range Forest Officer	205	193
18	Dy. Range Forest Officer	158	150
19	Public Relation Officer	1	0
20	Asst. Forest Publicity Officer	3	3
21	Junior Superintendent	71	68
22	Head Accountant	74	73
23	Research Assistant**	3	4
24	Wildlife Assistant	10	7
25	Senior Clerk	443	418
26	Clerk	444	433
27	Statistical Assistant Gr. I & II	34	33
28	Faircopy Superintendent	8	8
29	Sel.Gr Typist / Sr. Grade Typist	44	30
30	Typist Clerk	1	0
31	UD Typist	44	53
32	LD Typist	45	51
33	Confidential Assistant	39	33
34	Legal Assistant	1	1
35	Section Officer	1	1
36	Forest Veterinary Officer	1	1
37	Veterinary Doctor	1	1
38	Asst. Forest Veterinary Officer	2	1
39	Documentation Officer	1	0
40	Asst. Director (Survey)	1	1

Sl No.	Category	Sanctioned Strength	In Position
41	Survey Superintendent	2	2
42	Surveyor Gr.I	17	24
43	Surveyor Gr.II	49	16
44	Head Surveyor	2	2
45	Section Forest Officer	952	830
46	Beat Forest Officer	2618	2246
47	Sheristadar cum Secretary	1	1
48	Head Draftsman	2	2
49	Draftsman	45	10
50	CI of Police	2	0
51	SI of Police	4	1
52	Senior Civil Police Officer	22	1
53	Civil Police Officer	110	18
54	Librarian	1	1
55	Project Operator	1	0
56	Pharmacist	2	1
57	Hospital Attender	1	0
58	Nursing Assistant	1	0
59	Binder	2	2
60	PT Instructor	6	1
61	Record cum Store Keeper	3	0
62	Museum Assistant	1	0
63	Office Attendent	420	402
64	Peon cum Sweeper	1	1
65	Daffedar	1	0
66	Attender	18	16
67	Dark Room Attender	1	0
68	Driver	247	231
69	Photographer cum Artist	1	0
70	Gardner	4	1
71	Traker cum Gardner	3	0
72	Gardner cum Marker	1	1
73	Cleaner	2	0
74	Watcher***	42	150
75	Muduvan Watcher	8	7
76	Night Watcher	25	21
77	RF Watcher	157	57
78	Depot Watcher	86	53
79	Tribal Watcher	700	619
80	Watcher cum Cook	6	3
81	Tapal Watcher	3	0
82	Rest House Watcher	1	0
83	Scavenger/Sanitary Worker	1	1

Sl No.	Category	Sanctioned Strength	In Position
84	Cook/Asst. Cook	1	0
85	Boat Driver	12	7
86	Boat Zrang	1	0
87	Boat Watcher	6	1
88	Boat Cleaner/Cleaner	3	1
89	Lascar	4	0
90	Survey Lascar	11	2
91	Mahouts & Kavadi	26	21
92	Timber Supervisor	1	0
93	Pump Operator	1	0
94	Lab Assistant	1	0
95	Radio Mechanic	1	0
96	Helper	1	0
97	Bus Cleaner	1	1
98	Chowkeedar	1	0
99	Part Time Contingent Employees****	247	285
	Total	7758	6819

* Ex –Cadre Posts.

** Statistical Assistant Gr. I post upgraded at Souhern Circle, Kollam.

*** Supernumerary posts

**** Includes Casual sweepers also.

3.6 Details of employees working on contract/deputation/daily wages: During the year, a total of 667 personnel were engaged on contract /deputation/ daily wages as shown below.

- On Contract - 3 nos
- On deputation - 1 no
- On daily wages - 663 nos

3.7 Recruitments made during the year (cadre wise numbers) including compassionate appointments: - The cadre wise list of recruitment made during the year is as follows.

- Section Forest Officer - 12 nos
- Beat Forest Officer - 39 nos
- Reserve Forest Watcher/
Depot watcher - 2 no
- Tribal Forest Watcher - 28 nos
- Clerk - 36 nos
- Typist - 6 nos
- Driver - 4 nos
- Office Attendent - 48 nos
- Night Watcher - 4 nos

- Wildlife Assistant - 1 no
- Confidential Assistant - 1 no
- PTS - 10 nos

3.8 Retirements: - During the year, 175(IFS cadre-5, Gazetted cadre-25, Non-Gazetted cadre-145) personnel have been retired from service.

3.9 Deputation: - During the year, 1 Deputy Range Forest Officer and 1 Senior Clerk from Central Circle Thrissur, 1 Clerk from Wildlife Palakkad, 1 Office Attendant from Administration wing of Headquarters, 1 Clerk from I&E Kottayam and 1 DFO from Flying Squad Idukki were sent on deputation.

3.10 Posts created: - During the year, 1 post of PCCF and 1 post of PTS is created.

3.11 Supernumerary posts operated: - During the year 246 supernumerary posts were created.

3.12 Consultants engaged: - During 2015-16 M/s. Centre for Environment and Development, Thiruvananthapuram has been engaged as Consultant for NTFP Resource Assessment and Training and M/s. Tropical Institute of Ecological Sciences, Ecological Research Campus Kottayam has engaged as Consultant on PFM related training. The National Safety Council, Ernakulam is engaged for preparing safety measures for ecotourism locations in Kerala.

3.13 Training: - A total of 1218 officers of the department were imparted training in various institutions during the year 2015-16 in different topics/ subjects.

3.14 Awards/rewards for meritorious service: - During the year, 9 officers of different cadres in the department were awarded Chief Minister's Forest Medal for their meritorious service. Wildlife Division Palakkad got Prime Minister's award for successful implementation of Participatory Forest Management.

3.15 Disciplinary proceedings against departmental personnel: - During 2015-16, disciplinary actions were recommended against 101 personnel. 1 Beat Forest Officer is dismissed from service. 2 Beat Forest Officers and 3 Section Forest Officers are suspended.

3.16 Disciplinary proceedings against IFS Officers:- During 2015-16, disciplinary actions were recommended against 1 APCCF, 1 CCF (Vigilance case) and 2 DFOs.

Chapter 4

FUNCTIONING OF THE DEPARTMENT

Kerala Forest Department has 15 Wings at headquarters as shown below for effective and efficient management of the department and implementation of various activities and projects entrusted by the State Government and by the Central Government.

The functions and achievements of various wings of the department during the reporting year are summarised below.

4.1 Administration Wing

4.1.1 The wing is headed by the Addl. Principal Chief Conservator of Forests (Administration) who in turn is responsible for general administration of Kerala forest department. This wing is responsible for all establishment matters such as recruitment, appointment, promotion, transfer & postings, disciplinary action, pension, payment of travelling allowances, medical claims, loans and advances, administrative control and litigations relating to establishment matters in respect of all officers in Kerala State Forest Services, Kerala State Forest Subordinate Service, Last Grade and Part-Time Contingent Services. Service matters of special categories like Wildlife Assistants / Deputy Director of Wildlife Education and officers and staff on deputation to forest department are also dealt within this wing. Administration wing is the authority to initiate framing of Special Rules and to propose amendments to the Rules to the Govt. from time to time. Consolidation of reports on Legislative Assembly Interpellation and Right to Information Act is being carried out in this wing.

4.1.2 During the year, remarkable achievement was made in filling the vacancies through District Offices of Kerala Public Service Commission and timely promotions.

4.2 Bio-diversity Wing

4.2.1 Our State is rich in flora and fauna and its land distribution pattern holds the key towards its rich biodiversity. It has several endangered and endemic species and the richness can be accounted from the table below. The bio-diversity cell (BDC), headed by APCCF (BDC) extends its hands towards preserving this nature's gift, in its true self, through several social and eco-friendly activities. The APCCF (BDC) performs functions relating to conservation of Bio-diversity in areas outside Protected Areas such as Sacred Groves, Common resources, Mangroves and Wetlands thereby assisting the Chief Wildlife Warden in discharging duties regarding implementation of Wildlife Protection Act, Bio-diversity Act, etc. Additional Principal Chief Conservator of Forests (BDC) has also been assigned the duty of managing captive elephants.

4.2.2 The State being blessed with lush greenery and profound number of backwaters is also having its presence felt with rich bio-diversity. A portray of its flora and fauna along with the threats it is facing can be accounted from the table given below.

Sl No.	Group	No. of species	No. of species endemic to western ghats	No. of species in different categories of *IUCN Red list
1	Plants	4689	1547	EX 2 in wild, 6 CR, 32 VU, 13 EN
2	Mammals	145	12	CR 1, 14 EN, 16 VU and 6 NT
3	Birds	502	16	CR 3, EN 6, 12 VU, and 28 NT
4	Reptiles	171	57	CR 1, 12 EN, 10 VU, 8 NT
5	Amphibians	113	61	23 are EN, 14 VU, 11 CR, 5 NT
6	Freshwater Fishes	210	189	6 CR (all endemic to Kerala), 29 EN, 12 VU, 6 NT
7	Insects	6000		

* *International Union for Conservation of Nature.*

CR – Critically Endangered, EN – Endangered, VU – Vulnerable, NT – Threatened, Ex – Extinct.

4.2.3 Protection and Conservation of Sacred Groves: This scheme provides financial support for the protection and conservation of selected sacred groves owned by devaswoms, trusts and individuals for activities like habitat improvement, protection, planting, documentation of flora and fauna, awareness creation, etc. During 2015-16, 70 'Kavu' were given financial assistance of ₹.36.40 lakhs.

4.2.4 Vanamithra award for best practices in Bio-diversity conservation: This scheme is implemented with the objective of recognising exemplary service of people in the field of bio-diversity conservation. Activities such as conservation of sacred groves, mangroves, medicinal plants, agro-biodiversity, etc. will be considered for the award. During 2015-16, 14 individuals / institutions from each district of the State have been selected for receiving this meritorious award.

4.2.5 Conservation of Mangroves: This scheme is implemented with the objectives of reducing the rate of destruction of the Mangrove forest remaining along the bank of back waters and sea coast and to protect the coastal biodiversity. Mangroves are rich biodiversity areas having unique biological and ecological significance viz; protection of sea coast, breeding and feeding ground of water dependent fauna especially fishes and shrimps, the habitat of migrating birds and water dependent birds. The scheme involves financial assistance for regeneration of mangroves, mangrove afforestation, incentive to mangrove owners and extension and awareness activities. During 2015-16, an amount to the tune of ₹5.9 lakhs has been utilised for the above mentioned activities.

4.2.6 Captive Elephant Management: In Kerala, the captive elephants enjoy a special status in its culture, religious and social arena. All possible measures for ensuring the protection and welfare of captive elephants of the State are undertaken. Provisions of Wildlife (Protection) Act 1972 and the Kerala Captive Elephant (Management & Maintenance)

Rules, 2012 are strictly implemented in the State. Legal actions are taken against violations of these provisions. State level and District level Task Forces on Captive elephants have been constituted vide G.O (Ms) No. 03/2015/F&WLD, dated: 17.01.2015 for ensuring welfare of captive elephants by preventing cruelty against them and continuous monitoring. Training for elephant owners, mahouts and festival committees, etc. has been conducted during this financial year for the proper protection and maintenance of the captive elephants in the State.

4.3 Development Wing

4.3.1 The Wing is headed by Principal Chief Conservator of Forests (D&PFM) who discharges his duties with the help of Addl. Principal Chief Conservator of Forests (FB&A) who inturn is served by two major sections, viz; Planning and Accounts.

4.3.2 Main functions of Planning Section are the preparation of Five Year Plan proposals as well as annual plan of operations and submit the same to the Government, State Planning Board and to GoI. Preparation of demand for grant, allocation of funds to various divisions, circles and other wings of the department, conducting mid- term review of the Five Year Plan and Annual Plan Proposals, submission of revised budget proposals if any required based on the trend and pace of expenditure, taking up works which require administrative sanction from Government, procurement and distribution of vehicles, telephones / computers and other assets of the department, allotment of quarters and repairs and maintenance of the same and to liaise with other wings of the Department, Government of India and their institutions and external funding agencies regarding financial matters.

4.3.3 The Accounts Section is the State Level Authority in respect of the department relating to submission of monthly accounts to the Accountant General and C&AG. It is the responsibility of Addl. Principal Chief Conservator of Forests (FB&A) to ensure that the sub offices render monthly accounts in time, rectification of defects and handling delays and to design, develop and maintain internal mechanism / internal control mechanism with respect to finance, budget, Letter of Credit (LoC) and expenditure. Audit wing, attached to Accounts section, has to answer audit queries and to ensure that audit queries are replied in time by various wings of the department. The section compiles and submits reports to Public Accounts Committee, Subject Committee and to various authorities.

4.3.4 Major Schemes: - The major schemes implemented by Kerala forest department during the current year are as follows.

4.3.4.1 (a) Cultivation of High Demanding Medicinal Tree Species of Kerala (Project No. CONS / KE – 01 / 2011-12):- National Medicinal Plant Board, Government of India have sanctioned a project titled 'Cultivation of High Demanding Medicinal Tree Species of Kerala' for an amount of ₹786.40 lakhs out of which an amount of ₹314.56 lakhs has been released. Another proposal for 'Inclusion of Simarouba gluaca as 13th species' was also sanctioned by NMPB within the approved cost of the original project over a

period of 5 years and the total expenditure as on 31.03.2016 is ₹286.31 lakhs.

4.3.4.1 (b) National Medicinal Plant Board, Government of India have sanctioned ₹76.62 lakhs for large scale restoration of *Dysoxylum malabaricum* and *Cocinium fenestratum*, two endangered and commercially important medicinal plants of Western Ghats. The first release of ₹30.64 lakhs has completely been utilised and the second release is awaited.

4.3.4.2 NABARD –RIDF Works: - This scheme is aimed for the implementation of infrastructure facilities in forest areas and expenditure for the same during 2015-16 were met through the following projects, viz; NABARD - RIDF XII, XV, XVI, XVII, XVIII, XIX, and XX.

SI No.	Tranche No.	No.of projects	Project cost (lakh ₹)	Non starter projects	Amount sanctioned for Non starter projects (lakh ₹)	Loan sanctioned (lakh ₹)	Expenditure (lakh ₹)
1	XII	11	920.75	2	60.28	736.60	696.89
2	XV	7	600.00	2	130.00	445.06	393.92
3	XVI	8	674.87	1	70.40	448.00	595.79
4	XVII	9	1655.07	0	0	1572.56	1057.64
5	XVIII	4	441.75	0	0	353.40	366.62
6	XIX	2	2120.39	0	0	1984.53	565.11
7	XX	2	4290.00	0	0	4075.50	146.78

4.3.4.3 Intensification of Forest Management (IFM):- Though Intensification of Forest Management (IFM) was a 75% centrally sponsored scheme in the budget outlay. It was modified as a 60% Centrally Sponsored Scheme later. Government of India has accorded sanction for the Annual Work Programme under IFM for a total cost of ₹311.52 lakhs. An amount of ₹124.61 lakhs was sanctioned as Central share during 2015-16, which includes ₹38.61 lakhs of unspent balance of the previous year. Total expenditure incurred was ₹186.53 lakhs of which the Central share accounted for ₹121.52 lakhs and State share was ₹64.918 lakhs.

4.4 Eco Development & Tribal Welfare Wing

4.4.1 The State has adopted Participatory Forest Management (PFM) as a strategy for the protection of forests and to manage the non-timber forest resources in a sustainable manner with the active participation of forest dependent communities. The institutions in territorial forest divisions are called Vana Samrakshana Samithies (VSS) and those in wildlife divisions are called Eco Development Committees (EDC). The VSSs and EDCs are the grass root level organizations where forest dependant families are members, who are participating in the planning and implementation of various forestry and community development programmes. As on 31st March 2016, 400 VSSs and 190 EDCs are functioning in the State. VSSs and EDCs are federated at forest division level into Forest Development Agencies (FDAs) which are societies registered under the Travancore – Cochin Literary, Scientific and Charitable Societies Registration Act, 1955 or the Societies Registration Act. There are 36 FDAs in the State as on 31st March 2016. Since the formation of State Forest Development Agency (SFDA), Kerala during 2010, the funds to FDAs are routed through it and the programmes and schemes implemented by FDAs are monitored by it.

4.4.2 Kerala forest department has implemented the following projects/schemes under Eco-Development & Tribal Welfare during 2015-16.

4.4.2.1 National Afforestation Programme (NAP):- This is a Centrally sponsored scheme implemented through Forest Development Agencies since 10th five year plan. The scheme objectives are the following:-

- (1) Providing employment opportunities to the local communities through afforestation & conservation programmes, thereby improving the status of forests and creating valuable assets for the dependent communities.
- (2) Creating other durable community assets for overall development of the target communities/villages.

The afforestation programmes include planting of trees in degraded forests and adjoining areas.

An amount of ₹204.50 lakhs was the release for 2015-16 of which the Centre and State accounted ₹102.25 each and was fully expended. As on 31.03.2016, 39250.23 ha. of forest area has been afforested under this scheme utilising an amount of ₹7591.54 lakhs.

4.4.2.2 National Bamboo Mission Scheme: - The State Bamboo Steering Committee of National Bamboo Mission has allotted ₹30 lakhs for the improvement of existing stock of bamboo in 89.70 ha., imparting training to 80 farmers and for planting 40000 numbers of thornless bamboo within the State. Expenditure incurred for the same is ₹8.78 lakhs.

4.4.2.3 Green India Mission (GIM): - The Green India Mission aims to address key concerns related to climatic change in the forestry sector namely, adaptation, mitigation, vulnerability, and eco system services. To this end, the Mission also aims to take a broader landscape approach to address the drivers of forest degradation while supporting communities to meet their basic necessities of fodder, fuel-wood and livelihood. The GIM

Perspective Plan was submitted to the GIM Directorate, MoEF during 2015-16. The plan is for ₹330.00 crores for the period of five years. Government of India has approved the plan and released ₹914.82 lakhs as first installment for the first year activities, against the total financial target of ₹2800.47 lakhs for the first year. Due to the late receipt of communication, the same is revalidated for implementation during 2016-17.

4.4.2.4 Schemes of National Medicinal Plants Board: - The State Forest Development Agency has submitted proposals of various FDAs to National Medicinal Plants Board. Altogether, an amount of ₹167 lakhs has been released by NMPB till 2015-16, out of which ₹99.78 lakhs were expended. Three new projects at a project cost of ₹150lakhs were the new projects sanctioned during this year of which the expenditure incurred was ₹5.5 lakhs.

4.4.2.5 Eco-tourism: - There are at present 48 functional eco-tourism points managed by the department. The service charges collected from the visitors are deposited in the River Forest Protection Fund (RFPPF) and are utilised for maintaining the visitor areas garbage-free, for taking care of visitor security and for wages to guides engaged in the spot. The department of Tourism and Directorate of Eco-tourism are providing financial assistance to a few ecotourism projects implemented through forest department. During 2015-16, ₹963.58 lakhs have been sanctioned for new ecotourism proposals.

4.4.2.6 Vanasree Units: - There are 37 Vanasree eco-shops in the State under 22 FDAs including 2 Mobile units. The annual collection from Vanasree stalls during the current year is ₹2 crores.

The details of these outlets are shown below.

Sl No.	Name of Division / Forest Development Agency	Name of Vanasree Unit
1	Achencoil	Manalur – Kumbhavurutty
2	Alappuzha Social Forestry	Kommedi
3	Chalakkudy	Chalakkudy
4	Konni	Konni
5	Kothamangalam	Thommankuthu
6	Malayattoor	Mobile Vanasree Unit
7	Malayattoor	Paneliporu
8	Malayattoor	Kodanad
9	Marayoor	Marayoor
10	Munnar Wildlife	5 th Mile
11	Munnar Wildlife	Alampetty
12	Munnar Wildlife	Anamudi Shola
13	Munnar Wildlife	Lakkam
14	Munnar Wildlife	Rajamala
15	Nilambur North	Aruvakode
16	Nilambur South	Nedumgayam (Manjeri)
17	North Wayanad	Kalindi
18	North Wayanad	Mananthavady

Sl No.	Name of Division / Forest Development Agency	Name of Vanasree Unit
19	North Wayanad	Plamoola
20	North Wayanad	Thrissileri
21	Parambikulam	Anappady
22	Parambikulam	Malampuzha
23	Parambikulam	Parambikulam
24	Periyar East	Thekkady
25	Punalur	Ayur
26	Ranni	Kochandi
27	Shenduruny	Shenduruny
28	Silent Valley National Park	Mukkali
29	South Wayanad	Pakkom – Kuruva
30	South Wayanad	Soochippara
31	Thenmala	Palaruvi
32	Thiruvananthapuram	Forest Headquarters, Thiruvananthapuram
33	Thiruvananthapuram	Mobile Vanasree Unit
34	Vazhachal	Athirappally
35	Vazhachal	Vazhachal
36	Wayanad Wildlife	Muthanga
37	Wildlife Division Thiruvananthapuram (Neyyar-Peppara)	Neyyar

4.5 Ecologically Fragile Land (EFL) Wing

4.5.1 The Kerala Forest (Vesting and Management of Ecologically Fragile Lands) Act, 2003 (Act 21 of 2005) is an Act to provide for the vesting in the Government of Ecologically fragile land in the State of Kerala and for the management of such lands with a view to maintain ecological balance and conserving the bio-diversity. The Act got the assent of Hon'ble President of India on 25th April, 2005 and was notified on 3rd of May, 2005. The Act is deemed to have come into force on the 2nd day of June, 2000. Before the enactment of the Act, The Kerala Forest (Vesting and Management of Ecologically Fragile Lands) Ordinance (06/2000) was promulgated; this came into effect on 02.06.2000. Till the enactment of the Act 21 of 2005, the Principal Chief Conservator of Forests was the custodian of ecologically fragile land. From 23.11.2005 onwards a separate wing was established and a Chief Conservator of Forests was posted as the custodian of EFL.

4.5.2 As on 31.03.2016, the State has an extent of 14910 Ha. declared as ecologically fragile land. Approximate extent of 758 Ha. has been denotified as per various redressal mechanism provided under EFL Act. The district wise notification details are shown below.

Sl No.	District	Area (Ha)
1	Thiruvananthapuram	723.5817
2	Kollam	273.7233
3	Idukki	1398.0533

Sl No.	District	Area (Ha)
4	Thrissur	76.4046
5	Palakkad	4874.3636
6	Malappuram	1153.2027
7	Kozhikode	1544.04
8	Wayanad	2957.8486
9	Kannur	488.1291
10	Kasargode	663.1677
	Total	14152.5146

* Includes 5.75 Ha of forest land was notified under Section 4 of Kerala Forest Act.

4.5.3 EFL Act provides various grievance redressal mechanism under sections 10, 10 (A) and 19 (3) (b). Out of the 393 valid applications received under section 10 (A), 166 were settled. 292 valid applications were received under section 19 (3) (b), of which 185 have been disposed. The rest of the applications are at various stages of disposal.

4.5.4 The Kerala Forest (Vesting and Management of Ecologically Fragile Lands) Rules, 2007 have been notified on 3/2/2007. As per G.O (P) No.35/2007/F&WLD,dated:08/06/2007, Tribunals under section 9 of the Act have been constituted at Kozhikode, Palakkad, Kottayam and Kollam districts. The First Additional District Court Judge has been designated as the Tribunal.

4.5.5 The Kerala Forest (Vesting and Management of Ecologically Fragile Lands) Tribunal Rules, 2007 have been framed as per G.O (P) No.64/2007/F&WLD, dated 10.10.2007 and notified in gazette. The details of cases in the four tribunals are shown below.

Sl No.	Tribunal	Number of cases
1	Kollam	4
2	Kottayam	5
3	Palakkad	146
4	Kozhikode	116

4.5.6 About 174 cases are now pending before the Hon'ble High Court against the vesting of land as EFL and 20 Special Leave Petitions (SLPs) challenging constitutional validity of EFL Act are pending before Hon'ble Supreme Court.

4.6 Forest, Land and Resources Wing

4.6.1 This wing mainly deals with protection of forest wealth. The wing also deals with various Acts and Rules other than those within the purview of Wildlife Protection Act and Acts specifically dealt by other Chief Conservator of Forests. Matters relating to Forest Leases, Vested Forests, Forest Produces except non timber forest produces (NTFPs), allotment of raw materials to wood based industries, matters relating to Legislature Committee on assurances, Petition Committee, Environmental Committee and matters relating to Environmental Protection Act are also being handled by this wing.

4.6.2 E-auction: E-auction of timber was introduced in the Department in November 2014. By now it has been extended to all timber depots and also for the trade of other forest produces like coffee, pepper etc.

Participation of the public in e-auction has increased comparing to the previous year. Training required for this has been given to the officials whereas technical assistance has been imparted to the public and buyers.

4.6.3 Survey training of 3 month duration to BFOs and SFOs in forest department. Vide G.O (Ms) No. 82/2015 F&WLD, dated: 26.10.2015, training on survey to BFOs / SFOs of the department in 4 batches of 30 numbers each was approved. A total of 60 officers got trained during this period. Government issued notification vide G.O (P) 296/16/RD, under the Rule 101 of the Kerala Survey of Boundaries Act 1964 authorising, BFOs / SFOs who passed chain survey and Higher Survey to conduct survey of the forest land.

4.6.4 Details of forest land leased out to various agencies on long term agreement as on 31.03.2016 are as follows

Sl No.	Division	Extent of land leased out (Ha.)
1	Thiruvananthapuram	2433.729
2	Thenmala	68.157
3	Punalur	10550.058
4	Achenkovil	791.010
5	Ranni	4877.824
6	Konni	2886.883
7	Kottayam	6617.773
8	Munnar	2376.015
9	Kothamangalam	312.475
10	Marayoor	18.200
11	Mankulam	146.840
12	Malayattoor	4225.1428
13	Vazhachal	2215.704
14	Chalakkudy	3820.329
15	Thrissur	1694.391
16	Nenmara	197.290
17	Palakkad	345.05
18	Mannarkkad	885.471

Sl No.	Division	Extent of land leased out (Ha.)
19	Nilambur (South)	0.000
20	Nilambur (North)	617.201
21	Kozhikkode	1337.380
22	Wayanad (South)	70.045
23	Wayanad (North)	104.72
24	Kannur	6.72
25	Kasaragod	1522.910
26	Thiruvananthapuram, WL	0
27	Wildlife Idukki	0
28	Munnar WL (Eravikulam)	0
29	Periyar (W) Peerumedu	24.288
30	Periyar (E) Thekkady	11.444
31	Wildlife Peechi	1371.815
32	Parambikulam	2455.228
33	Wildlife Silent valley	0
34	Wildlife Wayanad	387.89
35	Wildlife Aralam	0
Total		52371.980

4.6.5 During 2015-16, 237.916 Ha. mangrove forests in Kannur District was notified as Reserve Forest (under section 19) in two stages vide gazette No. 1741 dt.12.07.15 and gazette No. 2833 dt.16.12.15.

4.6.6 A headquarters level file disposal adalat was organized in 09.06.15 in this wing. In continuation to this, adalats were conducted by this wing for each Circle and Division. As a result, final reply was received in 398 out of 520 files included.

4.6.7 During the year, extent of encroachment to be evicted was confirmed as 7801.10 Ha.

Details of encroachment of forest land as on 31.03.2016 is given below

District	Circle	Division	Extent of encroachment (Ha.)
1	2	3	4
Pathanamthitta Kollam	Southern circle, Kollam	Konni	10.59
		Ranni	1.13
		Thenmala	7.24
		Total	18.96
Ernakulam	High range Circle, Kottayam	Kothamangalam	147.60
Kottayam		Kottayam	121.49
Idukki		Munnar	1099.65
		Marayoor	0.03
		Mankulam	358.43
		Total	1727.20
Thrissur		Thrissur	147.04
Ernakulam		Malayattoor	129.29
		Total	276.33
Malappuram		Eastern circle, Palakkad	Nilambur North
Palakkad	Nilambur South		2.11
	Palakkad		190.58
	Mannarkkad		2700.34
	Nenmara		244.19
	Total		3819.75
Kozhikode	Northern circle, Kannur	Kozhikode	10.40
Wayanad		Wayanad South	1369.29
Kannur		Wayanad North	369.74
		Kannur	11.02
		Total	1760.45
Kottayam	Field Director, Kottayam	Periyar East	0.0061
Idukki		Idukki	5.40
		Total	5.4061
Thrissur	Wildlife circle, Palakkad	Peechi	193.02
		Total	193.02
		Grand Total	7801.1161

4.7 Forest Management Information System (FMIS) Wing

4.7.1. This Wing was established as part of Kerala Forestry Project under 'strengthening sector management' with the objectives of building the capacity of staff to use and manage information, facilitating flow of information within KFD units, mainstreaming the use of IT, particularly DBMS, GIS, expanding internet connectivity and increasing the availability of key reference data sets such as an updated forest inventory to users within the KFD. Presently the wing is trying to bring out improvements in the management functions of the department through efficient and effective application of various modules already developed besides updating the web-portal of the department with all latest information. Now modules such as offence module, court case module and fire monitoring module has been made online, in which data entry is being made. Department has launched 11 circle websites for uploading circle level information by the circle officials themselves. More stress has been given on use of information and communication technology (ICT) by directing all offices to make most of the communication through e-mail including submission of documents as scanned attachments to e-mails. The wing has been imparting training to the officers of the department in handling computer applications for improving efficiency in developing up-to-date Geo-database of forests of Kerala using remote sensing data for various purposes and developing maps of forest areas for the use of KFD officials. This wing is also preparing and implementing various FMIS modules.

4.7.2 Major e- governance initiatives taken by the FMIS for the reporting year are, e-tendering-all tenders above ₹5 lakhs are being done through e-tender, department has shared all available spatial data with Kerala Spatial Database Infrastructure (KSDI) as per Government direction, implemented file tracking application, Online services- Agasthyarkoodam trekking and compensation for victims of wild life attack made online under the e-district programme of KSITM. 108 laptops and multifunction printers have been distributed under this project to Range Forest Officers for implementing the services at range level.

4.8 Infrastructure & Human Resource Development (IHRD) Wing

4.8.1 A training wing in the department was created during 1990 for training the department personnel, in order to improve their efficiency. This wing was headed by a Conservator of Forests to begin with which was subsequently upgraded to the status of Chief Conservator of Forests vide G.O (Rt) No. 411/2004/F&WLD, dated: 04.10.2004. Vide G.O(Rt) No. 56/11/2011/GAD, dated: 23.07.2011, the post was upgraded to Additional Principal Chief Conservator of Forests (IHRD).

4.8.2 There are two Forest Training Institutes, one at Walayar and the other at Arippa. State Forest Training Institutes, Walayar was opened vide G.O (Ms)No. 1220/61/ Agri, dated: 05.12.1961 for imparting training to the Section Forest officers and the Beat Forest Officers. State Forest Training Institute, Arippa was established vide G.O(Ms) 167/81/ Forest dated: 27.05.1981 for imparting training to Section Forest officers and the Beat Forest Officers making use of the existing facilities available in the training school of the Kerala forest development corporation at Arippa. In

addition to the above two training schools, a Forest Training Centre (FTC) attached to the office of the Addl. Principal Chief Conservator of Forests (IHRD) at Rajiv Gandhi Nagar (near PTP Nagar), Thiruvananthapuram has also been functioning with well equipped Computer Lab for training the staff in FMIS modules, SPARK etc. Hostel facilities for accommodation are also available in the said training centre. In-service training programmes for various categories of staff and officers working in the Kerala forest department are organized in the Forest Training Centre regularly.

4.8.3 Induction training is being imparted for a period of one year to Section Forest officers and nine months to Beat Forest Officers at State Forest Training Institute, Arippa as well as State Forest Training Institute, Walayar. An average of about 140 Beat Forest Officers and about 100 Section Forest officers can be trained in a year by utilising the facilities available at present. For both Section Forest officers and Beat Forest Officers, forestry related subjects such as forest botany, forest mensuration, forest survey, forest engineering, wildlife management, Forest Acts and Rules etc. are taught in class rooms, besides imparting practical training in the campus and also through study tours. During study tours, the practical aspects of forestry are given top most priority. Detection, registration and successful prosecution of Forest cases, silvicultural operations including regeneration techniques, timber operations including sale of timber are also taught. Physical fitness sessions and games are integral part of the curriculum. On amending the recruitment rules, induction training at forester level is stopped, as there is no recruitment at this level.

4.8.4 During the year induction training programme for Beat Forest Officers and compulsory training of Deputy Range Forest Officers & Range Forest Officers (*FNTR Category) were conducted at State Forest Training Institute, Arippa & Walayar. 246 Beat Forest Officers, 91 Deputy Range Forest Officers, 14 Range Forest Officers, and 25 Section Forest Officers and 102 Forest Drivers attended the training. Apart from this, 29 nos of BSc (Forestry) students had undergone 10 days training during the year.

* Section Forest Officer not trained as Range Officer (FNTR)

4.8.5 95% of the construction works under Rehabilitation of SFTI; Arippa & Walayar funded by JICA have been completed during 2015-16. All other works included in the Annual Plan of Operation 2015-16 have been successfully completed in SFTI, Arippa & Walayar.

4.8.6 In-service Training: - Short term in-service training courses at the Forestry Training Centre, Arippa and Forestry Training Centre, PTP Nagar, Thiruvananthapuram are organised for the following categories of officers/staff:

- Assistant Conservator of Forests
- Range Forest Officers
- Deputy Range Forest Officers / Depot Officers
- Section Forest Officers
- Beat Forest Officers

- Senior / Junior Superintendents / Head Accountants
- Personal Assistants / Confidential Assistants
- Clerk/Senior Clerk
- Drivers

During the financial year training was imparted to 110 no. of officials in the above categories.

Refresher courses for frontline staff:-Refresher courses for frontline staff (Deputy Rangers/Section Forest Officers and Beat Forest Officers) was organised at SFTI, Walayar and SFTI, Arippa.

4.8.7 STP Trainings: - The department has actively utilized the trainings as per the State Training Policy (STP), being organized by Institute of Management in Government at its Centres at Thiruvananthapuram, Kochi and Kozhikode during the report year.

4.8.8 Deputation of IFS Officers /State Service Officers for trainings /workshops: - 49 Officers were deputed to various training courses, sponsored by the MoEF and other organisations of the GoI and the State Government in different premier institutions in the country.

4.8.9 During the year, 1218 officials of various cadres were imparted training through different training programmes. An abstract of the same is given below.

Sl No.	Institute	No. of Participants
I	SFTI Arippa	239
II	SFTI Walayar	303
III	FTC, Thiruvananthapuram	110
IV	IMG, Thiruvananthapuram	517
Total		1169
Training attended in Institutions Outside Kerala		
I	EEL, Hyderabad	14
II	CASFOS, Coimbatore	8
III	CASFOS, Dehradun	4
IV	CASFOS, Burnihat	9
V	FSI, Dehradun	12
VI	FRI, Dehradun	2
Total		49
Grand Total		1218

4.8.9.1 Implementation of Externally aided 'Japan International Corporation Agency'(JICA) project - 'Capacity Development for Forestry Management and Training of Personnel':- Kerala forest department is implementing a JICA funded Project (ID-P-199) titled - 'Capacity Development for Forestry Management and Training of Personnel' being steered by the Ministry of Environment and Forests, Government of India

for upgradation of infrastructure of the forest schools and improving the syllabus and course curriculum for the frontline staff (Beat Forest Officers, Section Forest Officers and Deputy Range Forest Officers) of the forest departments in eleven States including Kerala. Infrastructure facilities at Kerala Forest Schools, Arippa and Walayar are to be renovated under this scheme for which ₹10.87 crores has been sanctioned by Govt.of India. The works of construction/ renovation in both schools has been awarded to 'COSTFORD' and around 90% of works have been completed. The period of above project has been extended up to June 2016.

The project also had a consultancy for assisting the State Project Monitoring Unit (SPMU) in implementation of the soft component of the project. M/s.Sutra consulting Pvt.Ltd. IRC Village, Bhuvanewar prepared the syllabus, modules, handouts on various subjects and same were approved by competent authorities. The consultant has completed the project work and submitted final report.

4.8.9.2 State Forest Training Institute (*SFTI*), *Arippa* – Government of India, as per their letter F.No. 14-41/2003-RT (Kerala), dated: 27.12.2011 have issued administrative approval and expenditure sanction for rehabilitation of SFTI, Arippa, Kerala at total project cost for ₹487.53 lakhs and expended ₹479.71 lakhs being the 95% of the approved project cost. In this project 2 new buildings (ie; Hostel and Guest House), renovation of 14 buildings (ie; hostel, class room, kitchen, staff quarters, etc.) and site level interventions like road drainage, landscaping, etc. are in progress.

4.8.9.3 State Forest Training Institute (*SFTI*), *Walayar* - Government of India as per their letter F.No.14-41/2003-RT (Kerala), dated: 20.03.2012 have issued administrative approval and expenditure sanction for rehabilitation of SFTI, Walayar, Kerala for ₹ 462.76 lakhs and expended ₹448.40 lakhs being 95% of the rehabilitation cost as first installment for the works. In this project, 4 new buildings and renovation of 6 buildings and site level interventions like road, foot path, storm water drainage, landscaping, bio-gas plant, drinking water treatment plant, etc. were taken up.

4.7.9.4 M/s.Sutra Consulting Pvt.Ltd. IRC Village, Bhuvanewar have been selected for providing consultancy service to SPMU Kerala at total cost of ₹35.94 lakhs. Government of Kerala vide order G.O (Rt) 44/12/F&WLD,dated:23.01.2012 have approved the same. The consultants have submitted the syllabus for induction training of forest guards, foresters and for compulsory training of Dy.Rangers and Range Officers (FNTR category). They have prepared modules for Beat Forest Officers and Deputy Range Forest Officers in co-ordination with Principals. The syllabus of Beat Forest Officers and Deputy Range Forest Officers has been approved by Government of Kerala.

4.8.10 Renovation of Forest Museum: - Renovation of forest museum at PTP Nagar has included in the One Year Action Plan of the Government for 2011-12. As per the draft project report, the non-recurring expenditure for the project is estimated to be ₹107.554 lakhs and a recurring expenditure of ₹6.00 lakhs annually. Agreement for execution of

work was signed on 06.02.2013 for an amount of ₹88.51 lakhs. The expenditure is to be met from the BH: '2406-01-800-55'-Extension Forestry. The expenditure incurred under this head up to 31.03.2016 is ₹87.44 lakhs. The renovation work of forest museum at FTC was completed and inaugurated on 17th February 2016 by Hon'ble minister for Forests, Sports & Cinema.

4.9 Social Forestry Wing

4.9.1 Social forestry projects started during 1982 in Kerala with the aim of taking pressure off the forests by providing green cover in fallow lands outside forests. With the objective of mitigating the adverse effects of Global Warming, the social forestry wing embarked on massive afforestation programmes outside forest with involvement of different sections of the society and implemented these programme as people's programme. Planting of trees in railway lands, roadsides, canal banks, revenue 'purambokes' and Government institutions were also started.

4.9.2 Social Forestry also aims at raising various species of seedlings for distribution and planting by public so as to meet the growing demand for timber, fuel wood, fodder, etc. thereby reducing the pressure on the traditional forest area.

4.9.3 The increasing level of Green House Gases (GHG) in the atmosphere and the consequent unpredictable and adverse climatic changes is a serious concern for people and Governments all over the world. There is urgent need to combat negative impacts of climate change for the survival of mankind. Trees serve as natural sink for carbon and constitute one of the major mitigating factors against Global Warming. Growing more trees in the State will render much needed ecological services and amelioration of the environment.

4.9.4 Haritha Keralam Padhathi (Phase – VII):- In order to widen the scope of Haritha Keralam Scheme, it was decided to implement the Phase – VI of the scheme by further involving other Government departments / Autonomous Government Institutions, students, NGOs, religious institutions, youth organisations, civil society organisations, media establishment and others; and also to go about the tree planting programme with a renewed vigour and implement with innovative ideas based on the experience gained thus far on all unutilised and available lands in villages including community lands, institutional lands of all educational/religious/social institutions, road sides, railway sides, riverbanks, areas surrounding ponds and lakes, other available private lands including homesteads, and on any other land available either with State Govt.or Central Govt. 72.61 lakhs of valuable seedlings have been distributed to public and planted all over the State involving various agencies as stated above during 2015-16.

4.9.5 Production of seedlings for Haritha Keralam Padhathi (Phase – VII):- It was decided to implement the Phase – VII programme of Haritha Keralam Scheme during 2016-17. For this purpose ₹66.09 lakhs seedlings were raised during 2013-14 for distribution to public and departmental planting during the planting season of 2016-17.

4.9.6 Vazhiyora Thanal Programme: - This scheme envisaging planting of shade trees having more than one year old on the sides of important roads in Kerala will be implemented during next season also. During 2015-16 about 15159 seedlings were planted along various roadsides.

4.9.7 Wetland conservation:- This 100% Centrally Sponsored Scheme is being implemented by this wing for conservation and augmentation of mangroves in Vembanad and Kannur regions. Funds are being received from Government of India from 2006-07 onwards and various activities including production and distribution of mangrove seedlings, vetiver grass seedlings, calorific value species, agro-forestry seedlings and entry point activities such as drinking water facilities, family health care activities, drainage & sanitation facilities are also undertaken under the scheme. No funds were released by Government of India during the report year.

4.9.8 Scheme for Incentivisation of Private Forestry:- The proposal to give cash incentives to farmers with an objective of encouraging them to grow more trees and produce timber in private lands have been approved by Government vide G.O (Rt) No. 99/2012/F&WLD, dated: 17.02.2012. The tree species included in this scheme are teak, sandal, mahagony, anjili, plavu, rosewood, kambakom, kumbil, kunnivaka and thembavu and the scheme is being implemented through individual farmers, VSS, EDC, Kudumbasree units, self help groups, farmer's co-operatives and NGOs. Those who are planting a minimum of 50 seedlings in their land will be eligible for incentive.

The amount of incentives proposed is as below:

(a)	From 50-200 plants	₹50 per plant.
(b)	From 201-400 plants	₹40 per plant with a minimum of ₹10000.
(c)	From 401 to 625 plants	₹30 per plant with a minimum of ₹16000.

4.9.8.1 50% of the incentives will be given at the end of 1st year and the remaining 50% will be given at the end of the 3rd year. The scheme also provides cash awards for the best three performers in each of the above said slab at the end of 5th and 10th year. During the current year, 252 applications were selected and ₹10.96 lakhs were given as incentive to farmers.

4.9.9 Vanadepthi Programme: - Vanadepthi scheme is the conversion of monoculture pulp wood areas into multipurpose indigenous species areas, thus converting the area into biodiversity rich area having the properties of natural forests. Government of Kerala had accorded administrative sanction to implement the scheme over an area of 5 Ha. at Pathupara falling under the jurisdiction of Punalur territorial division. At an estimated cost of ₹66.65 lakhs under the BH: '2406-01-101-92-CA' vide G.O(Rt) No.314/2012/F&WLD dated: 23.06.2012, 4th year maintenance of the area has been completed during the year 2015-16 with an expenditure of ₹2.49 lakhs.

A similar scheme was also implemented in 25 Ha. of Elembra code Acacia plantation in Thiruvananthapuram Forest Division during the previous year as per the administrative sanction accorded by Government, vide G.O(Rt) No.69/2013/F&WLD, dated: 12.02.2013. During

2015-16 an amount of ₹8.87 lakhs have been incurred as expenditure towards 3rd first year maintenance.

4.9.10 Gandhi Smrithivanam Project: - Government of Kerala accorded administrative sanction to develop 'Smrithivanam' called 'Gandhi Vanam' in about 600 acres of single crop wetland (mainly paddy) at Vasudevapuram in Purakkad village at Ambalapuzha taluk of Alappuzha District. Of the 600 acres decided to be acquired and handed over to forest department, 100 acres was ordered to be set apart for developing IT Park subsequently vide G.O (Ms) No.20/2008/ITD, dated: 03.06.2008. Vide G.O (Ms) No.43/2010/ITD, dated:10.12.2010, the proposed site of IT park has been decided to be relocated to an alternate site. Out of the 600 acres of land earmarked for this purpose, 335 acres scattered in many localities alone were acquired and handed over to forest department till date. Balance area of 265 acres is yet to be handed over to forest department. As per G.O(Ms)No.86/2012/F&WLD, dated: 25.07.2012, Government have accorded administrative sanction and decided to implement this project through Kerala Forest Development Corporation (KFDC). As per the progress report submitted by KFDC, the works like survey and spatial planting, preparation of thematic plan for the project area were completed and works like developing lagoons in the first phase, developing common facilities to the visitors and procurement of boats, etc. are in progress. Out of 100 lakhs allotted to KFDC, an amount of ₹6.48 lakhs has been incurred as expenditure by KFDC till date for the above said preliminary works. No expenditure was incurred during 2015-16. Acquisition of the remaining portion of the proposed land is in progress and not yet completed.

4.9.11 Establishment of Orchidarium in Wagamon: - Government vide G.O(Ms)No.81/12/F&WLD,dated:21.07.2012 have entrusted the implementation of this project to KFDC. The works were completed and the orchidarium had been opened to public on 24.08.2015 and an expenditure of ₹179.36 lakhs was incurred as expenditure.

4.9.12 Suvarnodhayam Project at Nedumbassery :- Department received 4 Ha. area at Nedumbassery from Cochin International Airport Ltd.(CIAL) in lieu of compensation of 1.98 Ha. area transferred to them at Thattekkad in Ernakulam District as per GO(Rt) No.83/99/F&WLD dated: 27-02-1999. In compliance of the second condition of the above project, a part of the area was planted with miscellaneous species as compensatory afforestation in 2005. About 105 species were planted. Government of Kerala declared that it is proposed to constitute the lands as reserve Forest and appointed RDO, Fort Kochi as the Forest Settlement Officer. Later it was decided to convert this area in to an Arboretum with the name as Suvanodhyanam. Hon'ble minister for Forest inaugurated Suvarndhyanam Biological Park on 21-12-2006. The prime objective of the park is to provide education with some recreational facilities. The park is proposed to be planted with all important and endemic plants of Kerala along with rare plants of other areas, also will have a good interpretation centre and nursery to provide valuable plants for sale to public. The project has a total outlay of ₹150.00 lakhs under NABARD assisted RIDF Scheme.

4.9.13 Abhayaranyam at Kaprikkad: - 'Kodanad Mini Zoo' under Malayattoor division commenced functioning in 1980. Rescued animals from various sources under wildlife /forest offences were kept in the mini zoo. As per G.O(Rt) No.272/93, dated: 20.05.1993,the mini zoo was declared as Wildlife Rescue Centre, Kodanad and subsequently renamed as Wild Animal Rescue Centre(WARC).The Mini Zoo was functioning with an area of 1 acre and it was maintained very poorly and the animals were kept in pathetic condition. The Central Zoo Authority opined to close down the 'Mini Zoo', stating that it is not having required space and the enclosure is not scientifically designed. But, due to the protest of people, it was decided to shift the wild animal rescue centre from Kodanad to a wider area at Kaprikkad which comprises of more than 100 Ha. of reserve forest. Foundation stone of the project was laid on 01.09.2008 and the zoo was named as Abhayaranyam. Administrative control of Abhyaranyam project, at Kaprikkad, was handed over to ACF, NSC Kalady. After making the necessary arrangements, 'Abhyaranyam Project' was inaugurated on 18.02.2011. Considering various aspects, it was decided to develop this area as 'Abhyaranyam Biological Park' so as to show case the rich biological diversity and to offer citizens unique learning experience on one hand while on other a Mini Zoo and Rescue centre to house various animals.

To showcase the rich biological diversity of the Western Ghats, it was proposed to develop a **Nature Education Centre (NEC)** in 133.807 Ha. at Kaprikkad & Vembooram and the first phase will come in an area of 14 Ha. at Kapprikkad. The proposed works includes the setting up of the following.

1. Arboretum
2. Medicinal Herbal Garden
3. Edible Fruit Tree Garden
4. Orchidarium
5. Wild herbal colours
6. Star Forests
7. Fernarium
8. Ficatarium
9. Bambusetum
10. Ayurvedic Formulations
11. Childrens Park

An expenditure of ₹79.43 lakhs has been incurred during the year 2015-16.

4.9.14 Kuttivanam / Nature Appreciation Centre – This scheme is intended to develop forest in every panchayath of the State and create Kuttivanam (Small Forest) to provide oppertunities to citizens to observe and appreciate nature at the local level. Private individuals are also encouraged to create such small forests in their private holdings and to increase the biodiversity of existing tree lots. It is proposed to develop Nature Appreciation Centre (Kuttivanam) in public lands for a total of 1 Ha. in each district for which seedlings will be supplied free of cost. Administrative Sanction issued as per the G.O (Ms) No. 91/14/F&WLD,

dated: 06.01.2014. 1380 no. of Kuttivanam has been established throughout the State.

4.9.15 Citizen Conservator Programme – This scheme is intended to recognise appreciates and supports the services and effects of citizens and citizen groups in conversion and enhancement of biodiversity outside forests. In the State about 1500 no. of citizens and citizen groups shall be selected and so designated as ‘Citizen Conservators’. They will be drawn from Panchayath/Municipality/Corporations, 1 or 2 per Panchayath, 2 to 5 per Municipality and 10 in Corporation. Administrative Sanction was received as per G.O (Rt) No. 396/14/F&WLD, dated: 25.08.2014 for ₹45 lakhs. 351 citizen conservators have been selected till date.

4.9.16 Stabilisation of Major Rivers in Kerala through Bamboo Planting – It is proposed to undertake bamboo planting along the banks of streams / rivulets / rivers flowing in each District. The activities will be undertaken by the department in forest areas and by distributing quality planting stock to various agencies in non forest areas. MGNREGA funds will also be utilised for the implementation of this scheme. Incentivisation in line with the recently launched ‘Incentivisation of Private Forestry’ will be provided for the individuals who take up planting under this scheme. Administrative sanction was received as per the G.O (Ms) No. 92/14/F&WLD, dated: 06.11.2014 for ₹256.50 lakhhs for a period of 3 years. An expenditure of ₹2.97 lakhs has been incurred during the year.

4.9.17 Scheme to Revamp and Rejuvenate Forestry Clubs – In Kerala, Forestry Clubs were functioning in all Districts. At present around 600 clubs are functioning. The scheme envisages to start 400 more Forestry Clubs in all Districts and also to rejuvenate the 600 existing clubs. Administrative Sanction was received as per the G.O(Ms) No. 90/14/F&WLD, dated: 06.11.2014 for ₹35 lakhhs. 910 Forestry Clubs are under operation at the end of the financial year.

4.9.18 Eco Cadets – The project proposed is to identify 1000 young leaders from 5 Districts and groom them as ambassadors of nature conservation. In each District, 20 students from 10 schools will be selected based on the leadership of conservation. They will be given uniforms and hand on training in conservation with an opportunity to work with the department in implementing schemes. Administrative Sanction was received as per G.O (Rt) No. 455/14/F&WLD, dated: 01.10.2014 for an amount of ₹45 lakhs. Proposal for revised Administrative Sanction has been submitted to Government and the same is yet to be received.

4.9.19 Budding birders – This scheme is envisaged to encourage the interests of bird watching and butterfly watching in school students of the State and impart basic scientific knowledge among students regarding the role of birds and butterflies in the ecosystem and thereby the inter-linkage and interdependences in nature.

4.9.20 Prakrithi Mitra Award – The citizens and citizen groups who take proactive personal action in the conservation of biodiversity and biological resources outside forests is to be encouraged. This award will be given to individuals / organizations who actively involved in the conservation of local biodiversity encompassing birds, butterflies, sea turtles, other flora

and fauna and crop diversity etc. The individuals are selected from each Panchayath of Kerala.

4.9.21 Herbal Garden-This scheme is intended to establish 50 herbal gardens with medicinal plants species per district at identified locations having an extent of 20-50 cents in order to fulfil the healing demands of the local people. Thus a total number of 700 herbal gardens are to be set up in the State. The main objectives of the scheme are, to provide healthy genuine varieties of herbal plants for planting it in homesteads and hence multiplying their richness and diversity in the State and also to inculcate a sense of familiarity from childhood with surrounding biodiversity and its conservation especially herbal and medicinal plants etc. The project is for 3 years with a total outlay of ₹40.60 lakhs. A total of 455 no. of herbal gardens were established during 2015-16 with a total expenditure of ₹0.88 lakhs.

4.9.22 Nakshatravanam-This project intends to create 70 Nakshathravanams (trees associated with birth stars) in each district of the State at the suitable locations available at various Government and private institutions of the State in order to provide extra mileage to the biodiversity and greening enhancement mission of Kerala Forest Department. This project is for 3 years with an outlay of ₹72.80 lakhs. 990 nakshathravanams have been established throughout the State with an expenditure of ₹ 5.32 lakhs.

4.9.23 One Fruit Tree in One Home-The project was formulated to raise at least one fruit tree species in every home thereby achieving the dual purpose of greening as well as increasing availability of fruits to people and other animals/birds. The project is for 1 year with a financial outlay of ₹49.00 lakhs. 6500 no. of fruit tree species were planted during report year utilising ₹0.65 lakhs.

4.9.24 One tree in One Home-This scheme proposed to plant a medicinal tree in urban households and one timber yielding species in village, thereby purifying the urban environment and satisfying timber requirements of village households. Both shall increase the greenery nature. The project is for 1 year with a financial outlay of ₹49.00 lakhs. During the report year 30000 no. has been planted and the expenditure incurred is ₹1.20 lakhs.

4.9.25 Protection of sacred groves- In Kerala much of the biodiversity is found outside forest and many such biological resources are exposed to various threats. To encourage the protection and conservation of such biological resources, incentives are being provided by social forestry wing to the persons who own and protect such areas. At present incentives are given to owners of sacred groves to ensure their further existence and protection. During 2015-16 an amount of ₹49.70 lakhs has been expended for protection of 70 sacred groves throughout the State.

4.9.26 Turtle Conservation- During the previous year the social forestry wing undertook a turtle conservation initiative through a partnership programme with NGOs in the 9 coastal districts of Kerala. During the year 2015-16 a total of 466 no. of eggs were collected. Out of which 311 were hatched and the same is released into the sea.

4.10 Special Afforestation Wing

4.10.1 Implementation & monitoring of Forest (Conservation) Act, 1980:- The Nodal officer dealt with applications received for the use of forest land for non-forestry purposes in light of F(C) Act 1980 and guidelines of the Hon'ble Supreme Court and the Central Government. All proposals received during 15-16 have been submitted to Government and order has been received in most of the cases. During 2015-16, 7 proposals were submitted to Government of India and approval were obtained as shown below.

Sl No.	Purpose	Order No. and Date	Area (Ha.)
1	Diversion of forest land for laying electric line along the side of Meempatty-Mulakuthottah Road	G.O(Rt)63/2015/F&WLD dated 12.02.2015	0.021
2	Providing drinking water facilities in Painav in Nagarampara	G.O(Rt)167/2015/F&WLD dated 20.04.2015	0.04
3	Diversion of joint water supply scheme in Nanniyod and Anad	G.O(Rt)190/2015/F&WLD dated 06.05.2015	0.175
4	Laying of pipeline along the side of PWD road in Muliya Panchayath	G.O(Rt)193/2015/F&WLD dated 11.05.2015	0.175
5	Diversion of forest land for drawing electric line in respect of Olippara-Varikkamattom	G.O(Rt)404/2015/F&WLD dated 03.09.2015	0.3345
6	Diversion of forest land for laying UG cable in respect of electrification of Mannookkad SC colony	G.O(Rt)405/2015/F&WLD dated 03.09.2015	0.108
7	Diversion of forest land for providing 11 KV UG electric feeder for BSF camp Kainoor	G.O(Rt)407/2015/F&WLD dated 03.09.2015	0.01925

4.10.2 Supervising activities in respect of issue of licence to wood based industries: - A State level committee had been constituted in dealing with the applications on NOC for WBI and subsequently the power to issue licence was delegated as per with the Kerala Forests (Regulation of Saw mill and other Wood Based Industries) Rules 2012 to DFOs / WLWs.

4.10.3 Kerala Forest (Regulation of Sawmills and Wood Based Industries) Amendment Rules 2015 was enacted on 09.09.2015. Based on this six months time was allowed to those who failed to apply for licence to saw mills previously. Out of the 552 applications received till 08.03.2016, 353 applications were forwarded to DFOs for further action condoning delay,

approving the contentions of the applicants. 178 applications are being processed. 21 applications were returned to the applicants on refusal.

4.10.4 State Compensatory Afforestation fund Management and Planning Authority (CAMPA): – The State CAMPA was constituted during 2009. The fund allotted as per APO for 2010-11, 2011-12, 2012-13 and 2013-14 are being utilized. APO for 2014-15 was submitted to Centre for approval.

4.11 Vigilance Wing

4.11.1 Vigilance wing was formed in Kerala Forest Department vide G.O (Ms) No.289/71/Agri, dated: 23.12.1971, with broad intent of enquiring into illegal removal of forest produce, evaluation of regeneration areas, corrupt practices by the forest officials etc. A subsequent Government order G.O (Ms) No. 4/75/AD, dated: 21.01.75 specified the framework and working of the Vigilance wing. As per this Government Order, the objective of Vigilance wing is to combat corruption and misconduct in the Department effectively and to detect and prevent forest offences. Forest Vigilance wing takes up cases under the following categories for enquiry.

- Nepotism of staff
- Causing wrongful loss to Government property or revenue or claim or dues.
- Making false claim against Government such as false T.A, House Rent, etc.
- Any dishonest or intentionally improper conduct on the part of a departmental officer or abuse of his powers as such
- Causing avoidable delay in the disposal of Government business.
- Misappropriation or misuse of any Government property.
- Gross negligence or dereliction of duty.
- Any illegal or improper conduct.
- Abetment of the above offences.
- Illicit transport of forest produces.
- Allegations against department works.
- Petitions from public.
- Enquiry into the allegations rose against staff, petitions regarding illicit felling, poaching, ganja cultivation, arrack distillation, encroachment, etc.
- Evaluation of regeneration areas, surprise checking of check posts, night patrolling to prevent illegal transportation of forest produces, etc.

4.11.2 Machinery for vigilance and evaluation works: - On 4-2-2016, the post of Principal Chief Conservator of Forests(V) was created to head of Vigilance Wing at Forest Headquarters. This is over and above the cadre post of APCCF(V&FI). Two Regional offices under two Conservators of Forests function at Kottayam and Kozhikode respectively. Eight (8) Flying Squad Divisions headed by the Divisional Forest Officers and seventeen (17) Flying Squad Units under Range Forest Officers function under the wing. A Forest Intelligence Cell under Assistant Conservator of Forests and a Control Unit headed by a Range Officer who inturn is responsible to

the Principal Chief Conservator of Forests is functioning at the Headquarters.

4.11.3 Forest Intelligence Cell: - Forest Intelligence Cell was established during 2001 under the control of Chief Conservator of Forests (Vigilance). One Range Forest Officer and 9 Beat Forest Officers are working at various places in the State. Assistant Conservator of Forests (Evaluation), besides his regular duties in the office of Chief Conservator of Forests (Vigilance), is supervising the Intelligence work of the Cell. The secret information collected by the Forest Intelligence Cell has resulted in detection of serious offences and arrest of the accused, especially in Wildlife crimes. Field officers have recognized the utility of information collected by the Intelligence Cell through secret sources. During 2015-16, an amount of ₹1, 44,026 has been disbursed as remuneration to informants.

Seizures by Forest Intelligence Cell (FIC) during 2015-16 are shown below.

Sl No.	Seizure	Date	Offence
1	2	3	4
1	Indian Black shelled turtle and one accused	25.04.2015	OR 13/2015 Palode Range
2	Teeth of elephant and commander jeep	16.05.2015	OR 10/2015 Devikulam Range
3	Country guns	16.05.2015	Santhampara PS
4	Sandal wood	24.05.2015	OR 1/2015 Vellikulangara Range
5	Elephant tusk and Passion Pro bike (TN 36/P/6654)	10.06.2015	OR 2/2015 Mekkappala FS of Kodanadu Range
6	Elephant tusk and one Maruthi 800 & Maheendra Jeep	19.06.2015	OR 1/2015 Kallar Range
7	Oil extracted from Bear meat	22.07.2015	OR 1/2015 Singappara FS Mannarkadu Range
8	Sandal wood	28.06.2015	OR 6/2015 Marayoor
9	Leopard skin with two vehicles (Ford escort & for linea)	07.09.2015	OR 25/2015 Palode Range
10	Illicit transportation of elephant	08.09.2015	OR 1/2015 SF Thrissur
11	Pangolin Arrested five accused, one ford classic car	09.09.2015	OR 6/2015 Walayar Range
12	Sandal wood	06.10.2015	OR 10/2015 Paruthipally Range

SI No.	Seizure	Date	Offence
13	Pangolin arrested six accused and one vehicle Tavera TN 67 M 0099 - One motor cycle.	20.10.2015	OR 18/2015 Aryankavu Range
14	Sand boa, one Verna car, two motor cycles, 5 accused	09.11.2015	OR 13/2015 Paruthipally Range
15	Country gun and one accused	14.12.2015	OR 12/2015 Neriamangalam Range
16	Wild pig and one accused	19.12.2015	OR 8/2015 Anchal Range
17	Leopard claws and teeth	22.12.2015	OR 12/2015 Pathanapuram Range
18	Porcupine meat	27.12.2015	OR 11/2015 Alathur Range
19	Elephant tusk with two accused	07.02.2016	OR 1/2016 Chedlath Range
20	Tiger skin and four accused	14.03.2016	OR 3/2016 Palode Range
21	Leopard cat pelt and five accused KL22E3851 Scooter	25.03.2016	OR 5/2016 Palode Range

OR: Occurrence Report

4.11.4 Raids conducted and Contrabands seized: - During the year, 554 raids were conducted to destroy ganja plants and 842 raids were conducted to destroy illicit brewing. Also vehicles were seized in relation with smuggling of forest goods.

4.11.5 Toll Free Telephone Facility: - A toll free telephone (No. 18004254733) is installed in Forest Headquarters, Thiruvananthapuram to receive complaints and information from the public. This is a 24 hour facility. The information / complaints received in toll free telephone are recorded in the printed format and passed on to the concerned field officers for necessary further action. The Toll Free telephone facility started operating from 2006 onwards. During 2015-16, 330 complaints have been registered through this facility.

4.11.6 During 2015-16, 733 petitions/irregularities were enquired into and the details are shown below.

SI No.	Particulars	No. of Cases
1	Illicit felling of trees and smuggling of timber and other forest produce	70
2	Encroachments in reserve forest.	25
3	Irregularities involved in the expenditure on forest works, Misappropriation of Government money.	2

Sl No.	Particulars	No. of Cases
4	Irregularities involved in the execution of departmental works	22
5	Irregularities in wild elephants and other animals.	14
6	Shooting of wild elephant and other kinds of animals	03
7	Cases of subordinates misbehaviour	39
8	Illicit transport of forest produce belongs to Government.	09
9	Corruption practices in auction	03
10	Assault etc.	0
11	Other kinds of petitions	183
12	Violation of KPT Rules/Act.	03
13	Violation of WL Act.	21
14	Illicit distillation	01
15	Atrocities against Tribals	02
16	Atrocities against animals	151
17	Illicit collection of rubble and sand.	13
18	Illicit felling, storage and transport of timber from private lands	19
19	Petition against forest officials.	126
20	Petition against VSS	12
21	Cases involved in smuggling of bamboos and reeds.	01
22	Press report	04
23	Fire occurrence	01
24	Misuse of departmental vehicles	02
25	Possession of Unlicensed Gun	0
26	Smuggling of sand	01
27	Supply-Sale Coupe	04
28	Supply- Connivances in final felling	01
29	Ganga cultivation	01
	Total	733

4.12 Wildlife Wing

4.12.1 Conservation of wildlife and bio-diversity is gaining more and more importance these days. Kerala is having very rich bio-diversity. Western Ghats, nearly 1600 Km long chain of mountains along the western side of Indian Peninsula, has been declared one of the bio-diversity Hot Spots by IUCN. Southern Western Ghats where the forests of Kerala are situated are supporting more bio-diversity when compared to the northern Western Ghats. It is estimated to harbour more than 4600 plant species in Kerala portion of Western Ghats which constitute about 27% of the

species available in India. Hence the main function of wildlife wing is the conservation of wildlife and bio-diversity in the State.

4.12.2 At present there are 11 wildlife divisions under three wildlife circles. The wing manages 3213.237 KM² of forests under its protected area network which includes 5 National Parks, 17 Wildlife Sanctuaries (includes 2 tiger reserves, 2 bird sanctuaries, 1 peafowl sanctuary) and 1 Community Reserve. The present status of management plan is given below.

Sl No.	Name	Area(KM²)	Status
1	Eravikulam National Park	97.000	Valid upto 03.2022
2	Silent Valley National Park *	237.520	Valid upto 03.2022
3	Anamudi Shola National Park	7.500	Valid upto 03.2020
4	Mathikettan National Park	12.817	Valid upto 03.2020
5	Pambadum Shola National Park	1.318	Valid upto 03.2020
6	Periyar Tiger Reserve	925.000	Valid upto 03.2022
7	Neyyar WLS	128.000	Valid upto 03.2022
8	Peechi - Vazhani Wildlife Sanctuary	125.000	Valid upto 03.2022
9	Parambikulam W L S (Tiger Reserve)	643.660	Valid upto 03.2021
10	Wayanad WLS	344.440	Valid upto 03.2022
11	Idukki WLS	70.000	Valid upto 03.2022
12	Peppara WLS	53.000	Valid upto 03.2022
13	Thattakkad Bird Sanctuary	25.000	Valid upto 03.2022
14	Shenduruney WLS	171.000	Valid upto 03.2022
15	Chinnar WLS	90.440	Valid upto 03.2022
16	Chimmony WLS	85.000	Valid upto 03.2022
17	Aralam WLS	55.000	Valid upto 03.2022
18	Mangalavanam Bird Sanctury	0.027	Valid upto 03.2020
19	Kurinjalama Sanctuary	32.000	Valid upto 03.2022
20	Choolannur Pea Fowl Sanctuary	3.420	Valid upto 03.2022
21	Malabar Sanctuary	74.215	Valid upto 03.2020
22	Kadalundi - Vallikunnu Community Reserve	1.500	Valid upto 03.2020
23	Kottiyoor Wildlife Sanctuary	30.380	Valid upto 03.2023
Total		3213.237	

4.12.3 As a result of constitution of Wildlife Wing and more Sanctuaries and National Parks as well as shift in the priorities as per National Forest Policy - 1988, more attention had to be focused on wilderness areas, natural forests, conservation of wildlife and bio-diversity, etc. Activities such as habitat management, maintenance of marshes and swamps,

maintenance of water holes, regeneration of degraded ecosystems and fire control gained tremendous importance and became inevitable for sustained and scientific management of Sanctuaries and National Parks.

4.12.4 The works for conservation of bio-diversity in protected areas mainly include habitat improvement, fire protection, development of water holes, eco-development, eco-tourism, extension and education, wildlife census, research, development of infrastructure for protection, etc. All these works are periodic and recurring in nature which has to be executed with diligence during every season. Wildlife Wing is looking after all these activities.

4.12.5 Though forest offences relating to illicit collection of timber, fire wood, minor forest produce etc. are declining, high value wildlife crimes such as illicit trade in tiger skin, leopard skin, elephant tusk, snake venom, barn owl, star tortoise, sand boa, etc. are increasing. Many of such high value wildlife crimes have inter-state and international ramifications. It was in view of this fact; Wildlife Crime Control Bureau has been constituted by Govt. of India at Centre with few regional offices. Incidence of such serious wildlife crimes are dealt in co-ordination with agencies like Wildlife Crime Control Bureau and other State forest departments.

4.12.6 The department is also implementing large number of eco-tourism activities in the protected areas. The tribals and other forest dependent communities are being given employment opportunities with a view to enlisting their co-operation for protection activities through specific ecotourism programmes, viz; guided trekking, tiger trail, protection oriented border hiking, bamboo rafting, tented camping, tribal heritage museum and other participatory activities like participatory fire management, measures to make the protected areas plastic free, eco shops, facilities for selling value added products out of honey, wax, MFP, etc., souvenirs from re-cycled plastic, tailoring unit, handicrafts unit, branded mineral water production, etc.

4.12.7 It is worth mentioning that the department could arrange to produce organic pepper and export it from Vanchivayal, Mannakkudy and Paliyakkudy tribal colonies in Periyar Tiger Reserve.

4.12.8. The extension and interpretation activities under wildlife wing are vital for enlisting support of the public for conservation of nature and natural resources and to increase the awareness about wildlife and bio-diversity.

4.12.9. Scientific management of Sanctuaries and National Parks require constant monitoring of health of wild animals to check the spread of diseases. Many contagious diseases can be carried to wild animals from domestic cattle straying into the forest areas. For veterinary care, the department has only 3 Veterinary Surgeons.

4.12.10 Protection of Wildlife in areas outside forests and protected areas is also given equal priority by the forest department. Chief Wildlife Warden and Wildlife Wardens are the Statutory Authorities as per Wildlife

(Protection) Act, 1972. The department is also paying special attention for the protection of sacred groves, mangroves and wetland as well.

4.12.11 Human-Animal Conflicts: - Human – animal conflict is a perpetual problem confronted by the local people who inhabit the fringe areas of forest. This often results in serious injury, permanent disability, crop damage, cattle loss, hut loss and loss of life of human beings which inturn may end up in retaliatory killing of wild animals. The wild elephants and wild boar dominate the scene and do damages. Kerala Forest Department has so far done many proactive measures such as digging elephant proof trenches, creating elephant proof walls and constructing solar powered electric fences to mitigate this problem. Vide G.O (Rt) No.265/2011/F&WLD, dated: 17.06.2011, the Government conditionally allowed to shoot the wild boars repeatedly cause damages to crops, on experimental basis, for a period of one year. Subsequently, vide G.O(Rt) No.399/2012/F&WLD, dated: 04.08.2012, the period was extended for one more year from 23.06.2012. Thereafter the Government vide G.O (Ms) No.31/2013 F&WLD, dated: 19.03.2013, comprehensively amended conditions and procedure and prescribed in the above order and extended the period for 3 years from 04.08.2012. A total of 6022 incidents of human-animal conflicts reported in Kerala during 2015-16.

Details of the major preventive structures constructed to mitigate human-wildlife conflict are as given below:

Circle	Solar fencing (KM)	Elephant proof trench (KM)	Elephant proof wall (KM)	Stone pitched trench (KM)	Bio fence (KM)	Kayyala (KM)	Rail fence (KM)
Northern	583.79	192.79	9.24	0.12	12.00	15.48	0.00
Eastern	248.58	20.12	5.67	1.18	0.00	49.29	0.00
Central	76.87	6.21	0.17	1.08	0.00	6.45	0.00
HRC	70.11	0.41	0.31	0.00	24.22	13.09	0.00
Southern	166.16	75.09	6.44	0.00	2.45	155.02	0.00
WL PKD	225.91	244.11	11.56	1.02	4.00	0.54	2.50
FD(PTR)	62.41	41.11	1.14	0.27	0.00	17.35	0.00
ABP	66.45	4.79	0.00	0.00	0.00	1.64	0.00

Circle	Solar fencing (KM)	Elephant proof trench (KM)	Elephant proof wall (KM)	Stone pitched trench (KM)	Bio fence (KM)	Kayyala (KM)	Rail fence (KM)
Total	1500.28	584.63	34.53	3.67	42.67	258.85	2.50

4.12.12 Compensation paid to Victims of Attack by Wild Animals: - The Kerala Forest Department provides compensation to the victims of attack by wild animals vide 'Kerala Rules for Payment of compensation to victims of wild animals 1980'. During 2015-16, a total of ₹68168849 have been distributed to the victims. The circlewise details are given below:

	Name of Circle		Cattle Death	Crop Damage and Property Loss	Human Death	Human Injured	Grand Total					
								2	3	4	5	6
	No of applicants	Amount Paid (in Rs)						No of applicants	Amount Paid (in Rs)	No of Applicants	Amount Paid(in Rs)	No of Applicants
Northern	126	2174949	3130	13402798	17	2700000	220	4482759	3493	22760506		
Eastern	53	531050	387	8993623	35	3635000	44	1486301	519	14645974		
Central	17	168900	163	1189066	23	2900000	41	1628116	244	5886082		
HRC	14	263000	114	5658357	11	2277040	47	1632111	186	9830508		
Southern	43	121500	161	1072567	16	1500000	39	547753	259	3241820		
WL Pkld	94	2556200	993	6695406	1	425000	13	130399	1101	9807005		

	Name of Circle		Cattle Death		Crop Damage and Property Loss		Human Death		Human Injured		Grand Total	
	No of applicants	Amount Paid (in Rs)	No of applicants	Amount Paid (in Rs)	No of Applicants	Amount Paid (in Rs)	No of Applicants	Amount Paid(in Rs)	No of Applicants	Amount Paid(in Rs)	No of Applicants	Amount Paid(in Rs)
FD (PTR)	4	120000	92	499298	1	500000	3	41529	100	1160827		
ABP	0	0	107	629515	0	0	1	10000	108	639515		
SF	4	41250	7	153000	0	0	1	2362	12	196612		
Total	355	5976849	5154	38293630	104	13937040	409	9961330	6022	68168849		

4.12.13 Wildlife Census: - Wildlife Census is conducted in the forest areas of Kerala including the protected areas. Previously, wildlife census was conducted in 1993, 2002 and 2011. In addition to the general wildlife census, where population estimation of major mammals are attempted to separate population estimation is conducted for species like tiger and elephant.

a) Tiger Census:- Monitoring of tigers,co-predators,their prey and habitats was carried out in the forests of Kerala as part of the All India Tiger Estimation, as per the guidelines issued by National Tiger Conservation Authority(NTCA) from 16th to 23rd December 2013. The status report of tigers in Kerala has increased to 136 from the population of 112 in 2010. The report states that the tiger population and occupancy has shown a substantial increase in the Western Ghats landscape. A comparison of the population of tigers as per the past estimations is as follows:

Estimated Tiger population in Kerala

2006	2010	2014
46	112	136

b) Nilgiri Thar Census:- The Nilgiri Thar is an endemic species showing restricted distribution in the mountain landscapes of Southern Western

Ghats in the States of Kerala and Tamil Nadu. Low population status, restricted/discontinuous distribution and human intervention in a highly fragile ecosystem brought Nilgiri Thar in the IUCN 'Red Data Book' under the status 'Endangered'. It is also listed in the Schedule 1 of Wildlife (protection) Act 1972. The estimated population figures of Nilgiri Thar in the Eravikulam National Park during last 5 years surveys are given below:

Estimated Population of Nilgiri Tahr for the Last Five Years

2011	2012	2013	2014	2015
831	789	873	894	900

4.12.14 List of Elephant Corridors

S1 No.	Name of the Corridor	Area	Forest type	Legal Status	Major Land Use	Habitations in Corridor	Villages Dependent on Corridors
1	2	3	4	5	6	7	8
1	Nilambur Kovilakom -New Amarambalam(Vazhikkada vu), Nilambur North Division	Length: 1 Km Width:0.5 Km	Tropical Semi evergreen	RF	Forest & plantation	Nil	Vazhikkadavu & Karakkodu
2	Periya at Pakranthalam, North Wayanad Division	Length: 0.5 Km Width:0.2 Km	Tropical moist Deciduous	RF	Forest, Fallow land & Settlement	Pakranthalam Panoth	Pakranthalam, Panoth& Niravil puzha
3	Tirunelli- Kudrakote, North Wayanad Division	Length:6 Km Width:1-1.5 Km	Tropical moist Deciduous & Teak plantation	RF with small part as patta lands	Forest settlements, agriculture & plantation	Edayuruavayal	Appapara, Vaduvakkalim, Edayuruavayal, Pulayankolli,Thirunelli, Padaladi

Sl No.	Name of the Corridor	Area	Forest type	Legal Status	Major Land Use	Habitations in Corridor	Villages Dependent on Corridors
1	2	3	4	5	6	7	8
4	Kottiyoor-Periya- Kannur, North Wayanad Division	Length:0.5 Km Width:0.1 Km	Tropical Semi evergreen	RF	Forest settlement	Periya, Pokkottu-Chapparam, Chandanathodu & CRP Kunnu	Periya, Pokkottu-Chapparam, Chandanathodu, CRP Kunnu&Alatti

4.12.15. Wild Animals Rescued: - During the year 2015-16, many cases of man-animal conflicts were identified and further action was taken on scientific manner. Wild animals came into human habitations were caught as per regulations and released in their natural habitat. The wildlife wing gives permissions to such operations under strict guidelines.

Details of Wildlife Animals rescued are given below:

Sl No.	Name	No.
1	Python	1773
2	Indian Cobra	988
3	Other snakes	691
4	Monkey	269
5	Wild Boar	189
6	Viper	148
7	Barn Owl	132
8	Asian palm civet	103
9	Rat snake	102
10	Krait	97
11	King Cobra	64
12	Peacock	52
13	Other birds	45
14	Toddy cat	43
15	Wild porcupines	42
16	Sambar deer	40
17	Elephant	36
18	Jungle cat	32
19	Other animals	32
20	Indian Pangolin	28
21	Fox	25
22	Monitor lizard	23
23	Spotted deer	22
24	Sand boa	18
25	Malabar Giant Squirrel	14
26	Tortoise	13

Sl No.	Name	No.
27	Fish Owl	5
28	Eagle	5
29	Rock bee	5
30	Tiger	3
31	Bonnet Macaque	3
32	Crocodile	3
33	Wild Gaur	3
34	Leopard	3
35	Sea Turtle	3
36	Nilgiri Langur	2
37	Slender Loris	2
38	Brahminy Kite	1
39	Eagle Owl	1
40	Racquets tailed dragon	1
41	Grey Hornbill	1
42	Mouse deer	1
43	Serpant Owl	1
44	Spotted bellied Eagle	1
45	Black Eagle	1
46	Nagathan Snake	1
47	Lion tailed Macaque	1
48	Brown fish owl	1
49	Coucal	1
50	Jungle Fowl	1
51	Parrot	1
52	Beaver	1
53	Crane	1
54	Barking deer	1
55	Jaguar	1
56	Mongoose	1
57	Bat	1
Total		5078

4.12.16.Rapid Response Team(RRT):- As per G.O(Rt)275/11/F&WLD, dated: 22-06-2011, Government established five Rapid Response Teams to drive back the crop raiding wild elephants and to manage other problems relating to human-animal conflict. It envisages at setting up of five numbers of sufficiently equipped Rapid Response Teams in Wayanad (Wildlife), Nilambur, Kannur, Palakkad and Ranni forest divisions.

Details of Rapid Response Team are given below:

Sl No.	Location	Head Quarter	Territorial division to which the team is attached	Officer in charge of the Team	Contact number	
					Mobile	Office
1	Sulthan Batheri	Sulthan Batheri	Wayanad WL	Assistant WLW, Sulthan Batheri	8547603486	0493 6221640

Sl No.	Location	Head Quarter	Territorial division to which the team is attached	Officer in charge of the Team	Contact number	
					Mobile	Office
2	Kannur	Thaliparamba	Kannur	RO, Thaliparamba	8547602678	0460 2206696
3	Palakkad	Olavakode	Palakkad	RO, Olavakkode	8547602100	0491 2552815
4	Nilambur	Nilambur	Nilambur North	RO, Nilambur	8547602200	04931 220005
5	Ranni	Ranni	Ranni	RO, Ranni	8547600927	0473 5223471
6	Kozhikode	Thamarassery	Kozhikode	RO, Thamarassery	8547602828	0495 2223720
7	Mannarkad	Mannarkad	Mannarkad	RO, Mannarkadu	8547602315	0492 4225566
8	Peppara	Paruthippally	T'puram	RO, Paruthippally	8547600970	0472 2854022
9	Kasargod	Kasargod	Kasargod	RO, Kasargode	8547602526	04994 225072
10	Kalpetta	Kalpetta	Wayanad South	RO, Kalpetta	8547602715	04936 205038
11	Malayattur	Malayattoor	Malayattoor	RO, Kodanad	8547604182	0484 2640774
12	Munnar	Munnar	Munnar	RO, Devikulam	8547601337	04865 264377
13	Punalur	Punalur	Punalur	RO, Anchal	8547600725	04752 276648
14	Peerumedu	Peerumedu	Peerumedu	RO, Azhutha	8547603123	04869 233710

4.13 Working Plan & Research (WP&R) Wing

4.13.1 Working Plan is the main instrument of forest management and is defined as a written scheme of management aiming at continuity of policy (normally for a period of 10 years) controlling the treatment of forest. This wing is having 6 Working Plan divisions. They are responsible for preparing working plans for 25 territorial divisions. In addition, Forest Resource Survey Cell (FRSC) at Thrissur is responsible for assessing the availability of various forest resources such as bamboos, reeds canes, etc. There are two research divisions one at Thrissur and the other at Thiruvananthapuram who carry out various applied silvicultural research and maintenance of permanent preservation plots. The two Research Divisions are acting as an interface between various Research institutions like TBGRI, KFRI, IFGTB, etc. in undertaking multi location trials and to test the efficacy of the research findings in the local field situations. Seed

centre at KFRI; Peechi is being jointly managed by DCF, Research North and KFRI.

4.13.2 The WP&R Wing has laid, over a period of last two to three decades, a number of permanent plots, long term observation plots, species introduction trials and miscellaneous trials regarding various aspects of silvicultural management. There is enormous amount of data generated from these plots which needs statistical analysis, each plot wise / species wise so as to decipher the trends in the species experiments, will be of immense technical and scientific help for the forestry management in Kerala.

4.13.3 Status of working plan: - Out of 25 territorial forest divisions 18 divisions are having current Working Plans approved by Government of India. Management plans for 2 divisions viz; Chalakkudy and Kottayam will expire on 31-03-2017. In the case of the remaining 5 divisions viz; Kothamangalam, Thiruvananthapuram, Malayattoor, Vazhachal, and Wayanad North are having no current working plans or management plans.

4.13.4 Groving Stock Inventory: - It includes, individual tree species stand or forest type; form and composition of tree crop-according to age, quality, extent, etc. and its distribution, statistics of growth and yield through stump and stem analysis as well as from other available records, biomass carbon stocks, status of plantations etc.

4.13.5 Vegetation Survey: It includes enumeration of species composition such as dominant and co-dominant trees species, bamboos, rattans, shrubs, herbs, climbers, lichens, algae, fungi, epiphytes and parasites for their density, frequency, dominance and abundance values.

- a) Assessment of flagship faunal species and their special habitats
- b) Survey of forest soils and assessing soil organic carbon stock
- c) Socio-economic survey to assess the dependence on forests for livelihood needs as part of the field works for the preparation of working plans of 5 forest divisions are in progress.

Status of working plans as on 31.03.2016 is shown below.

Sl No.	Division	Valid till	Status
Divisions where approved Working Plan or Management Plan is available			
1	Thenmala	31.03.2019	Working Plan is current
2	Achenkoil	31.03.2018	Working Plan is current
3	Punalur	31.03.2021	Working Plan is current
4	Munnar	31.03.2020	Working Plan is current
5	Marayoor	31.03.2020	Working Plan is current
6	Mankulam	31.03.2022	Working Plan is current.
7	Thrissur	31.03.2024	Working Plan is current
8	Palakkad	31.03.2019	Working Plan is current.

Sl No.	Division	Valid till	Status
9	Nilambur(South)	31.03.2024	Working Plan is current.
10	Mannarkkad	31.03.2023	Working Plan is current
11	Kozhikkode	31.03.2021	Working Plan is current
12	Kannur	31.03.2023	Working Plan is current.
13	Wayanad(South)	31.03.2023	Working Plan is current
14	Kasargod	31.03.2023	Working Plan is current
15	Ranni	31.03.2024	Working Plan is current
16	Nilambur(North)	31.03.2025	Working Plan is current
17	Konni	31.03.2025	Working Plan is current
18	Nenmara	31.03.2025	Working Plan is current
19	Kottayam	31.03.2015	Field work in progress. Management plan for 2015-16 to 2016-17 is submitted to GoI on 05-10-2015 and the approval is pending. Certain observations from GoI is to be furnished and the same is forwarded to DFO, Kottayam on 11-11-2015
20	Chalakkudy	31.03.2015	Field work in progress. Management plan for 2015-16 to 2016-17 has been submitted to GoI certain observations were made. Hence the same is forwarded to DFO, Chalakkudy on 11-11-2015 for furnishing the details of observations and is pending there.
21	Vazhachal		Field work started. Management plan for 2 years,2014-15 and 2015-16 are approved by GoI
Divisions having no current working plans			
22	Thiruvananthapuram		Field work started. Management plan for 2016-17 is approved by GoI
23	Kothamangalam		Draft WP presented on 22-11-2014 and revised WP for 2015 to 2024 is expected to be sent to GoI shortly. Approved management plan was in force up to 31-03-2015
24	Malayattoor		Draft WP is approved on 18-02-2016
25	Wayanad(North)		Final WP from 2011-12 to 2020-21 was submitted to GoI for approval in October 2014. Observations made by GoI were incorporated in the final WP and resubmitted to GoI on 1-04-2016

4.13.6 Kerala Forest Seed Centre: - With the help of Kerala Forest Research Institute, an excellent facility for seed testing, grading and certification at Peechi has been established and it is known by the name Kerala Forest Seed Centre (KFSC). During 2015-16, 11111.68 Kgs of *Tectona Grandis* (Teak) seeds were collected.

4.13.7 Teak Seed Production Areas (TSPAs):- TSPA under the jurisdiction of Research Wing of the department were returned to the respective territorial divisions vide the decision taken in the Senior Forest officers meeting held on 23-24, September 2009.

4.13.7.1 The following are the identified Teak plantations developed as a TSPA with all the desired scientific inputs during the current year.

Sl No.	Location	Forest Division	Year	Area (Ha)
1	Thalappara	Thenmala	1980	16.97
2	Thalappara		1981	13.53
3	Palaruvi		1968	13.96
4	Palaruvi		1970	9.80
5	Chembanaruvi	Konni	1979	20.00
6	Adukuzhi	Ranni	1983	45.54
7	Padayanippara		1967	29.54
8	Kalaketty		1955	180.48
9	Mullapana	Chalakydy	1976	126.30
10	Arippa TCSO	Thiruvananthapuram	1981	7.16
Sub Total				463.28
11	Elival	Palakkad	1971	41.84
12	Sankarankodu	Nilambur (South)	1961	42.00
13	Pulakkapara		1970	43.80
14	Nedumgayam		1971	65.00
15	Nedumgayam		1970	55.40
16	Karia Muriem		1974	51.43
17	Begur Bit 2		Wayanad (North)	1981
18	Begur Bit 1	1981		51.50
19	Madhamangalam	Wayanad (South)	1976	37.30
20	Madhamangalam		1977	38.10
21	Chiyambam		1978	51.40
22	Changam		1978	61.50
Sub Total				606.77
Grand Total				1070.05

4.13.8 Statistics Wing: - This wing is attached to Working Plan and Research Wing of the headquarters. The wing is headed by Deputy Director (Statistics) and assisted by two Research Assistants and four Statistical Assistants. Statistical Assistants of various Circles / Divisions are involved in collection and compilation of data and the headquarter wing is processing the same for updating forestry database every year. The Statistics Wing is responsible for preparation of Annual Administration Report, annual publication titled 'Forest Statistics' and monthly progress reports of various schemes implemented by the Department. This wing is also entrusted with the work of furnishing

statistical reports to different agencies of Government of India and State Government. So far annual reports upto the year 2015-16 are prepared.

4.13.9 Research studies and Surveys: - The following research activities were carried out by the department during the year 2015-16.

- Standardisation of artificial regeneration techniques of commercially important indigenous timber species
- Mixed species plantation forestry approaches for site productivity optimisation in poor teak plantations of Kerala
- Comparative research study of teak stumps and root trainers

4.13.10 Achievements made during 2015-16:-

Research South, Thiruvananthapuram:-

- Maintenance of different research plots of species such as teak, sandal, rose wood, hopea, acacia, eucalyptus, cane, bamboo, pine, agar, etc.
- Maintenance of 2004 medical demonstration garden at Chozhiyode
- Maintenance of 2005 Gene Bank of fruit bearing trees at Kalluvettankuzhy
- Innovative research programmes such as bio fencing, survey of RET species, eradication of weeds, augmentation of natural sandal, germination trials of teak and miscellaneous species, bamboo trials etc.
- Maintenance of Teak Seed Production Areas(TSPAs) and collection of seeds
- Conversion of teak plantation to TSPAs
- Maintenance of different sandal seed stands trial plots
- Maintenance of teak clonal seed orchard and teak seedling seed orchard at different places
- Standardisation of artificial regeneration techniques of indigenous timber species
- Maintenance of progeny trials of candidate plus trees

Research North, Thrissur:-

- Maintenance of mother bed nursery at Begur under Mananthavady Research Range.
- Maintenance of various permanent research plots to an extent of 221.21 hectares
- Maintenance of block plantation of 5 major medicinal tree species at Madathikunnu in Machad Range of Thrissur division

- Maintenance of Gene Bank of indigenous fruit bearing trees at Mundur under Olavakode range
- In situ conservation of medicinal plants at various plots
- Project on reducing elephant damage by planting thorny leguminous plants like *Caesalpinia sappan* in monoculture plantations
- Maintenance of All India seeds origin plot 1934 TP at Nilambur
- Maintenance of 14 Teak Seed Production Areas (TSPAs) having an extent of 635.85 Ha. and collection of seeds
- Raising of 15 bed miscellaneous seed bed nursery at Begur
- Study on removal of *Senna fetabulis* at various locations
- Study on improving the availability of *Pandanus* in Nilambur
- Maintenance of teak plantations, various pinus research garden and different eucalyptus research gardens
- Maintenance of teak plantations as Permanent Preservation Plots
- Replanting of teak and its maintenance after clear felling of present *Acacia mangium* plantation
- Collection of teak seeds from different TSPAs

New Projects launched:-

- Species introduction trials – Agar wood (*Aquilaria malaccensis*)
- Efficacy of bio fertilizers in nursery medium on seedling vigour

Projects Completed:-

- Standardisation of artificial regeneration techniques of commercially important indigenous timber species
- 2005 *Caesalpinia sappan* (Pathimukham) under planting in 1951 teak plantation at Kadamancodu
- Effect of thinning in *Accacia auriculiformis* and *Accacia mangium* plantations.

4.14 Forestry Information Bureau (FIB): Forestry Information Bureau is the publicity and extension arm of the Department. The Bureau undertakes works like publication of 'Aranyam' official bi-monthly of the Department, printing and publishing of booklets and pamphlets covering various activities of the department, arranging publicity in connection with World Forestry Day, World Earth Day, World Environment Day, Wildlife Week etc. designing and releasing advertisement to media, designing, developing and distributing exhibits for field offices, developing documentary films and arranging general publicity for State level functions of department.

4.14.1 International Trade Fair-2015: The Fair was held in November-2015 at Pragathy ground, New Delhi. The pavilion made by Bureau received attention at national level during the Fair. The theme presented was 'Make in India'.

4.14.2 Onam week celebration: In connection with the celebration, Bureau has presented a float based on the topic, 'Excessive use of plastic affects the environment adversely'.

4.14.3 Exhibition- Film show- Workshop: The exhibition wing of FIB conducted a total of 11 exhibitions and 8 work shops and film show were conducted all over the State. In addition to this, FIB could creatively conduct World Forest Day (March-21), World Environmental Day (June-5), Snake Bird Day (June 22), Forest Martyres Day, Wild life week celebration (October 2 -8) and other publicity works.

4.14.4 During the year, the Bureau printed and distributed Forest Guide, Forest Planner, Onam greeting cards, special environmental day postal cover, cards in five languages with the message of environmental protection in connection with Sabarimala pilgrimage, posters for awareness among tribes about wild animal hunting and Maoist activities. Also, FIB distributed a book named 'Green India Mission' to all divisions, prepared by APCCF (E&TW).

4.14.5 FIB has been practicing a style of planning and implementing activities with a vision rather than resorting to it as a bureaucratic approach. Its activities are sailing forward smoothly by assiduously coordinating practicality, technical knowledge, wide spread relation and creative approach.

Chapter 5

FINANCIAL RESULTS

Revenue and Expenditure

The Forest Revenue realised during the year 2015-16 was ₹290.205 crores. The total expenditure incurred during the year was ₹444.763 crores.

The forest contributes substantially to the non-tax revenue of the State. The revenue from forestry sector by way of sale of timber and other forest produces comes to ₹257.16 crores in 2015-16. Major portion of the forest revenue was from timber. During 2015-16, ₹240.896 crores was collected towards revenue from the sale of timber alone which accounted for 83.01% of the total forest revenue. The comparative position of revenue and expenditure for the year 2015-16 and 2014-15 is given in table 5.1

Table 5.1-The comparative position of revenue and expenditure

Year	Revenue (₹ in crores)	Expenditure (₹in crores)		
		Plan	Non Plan	Total
2015-16	290.21	144.26	300.50	444.76
2014-15	300.40	143.81	312.26	456.07

Revenue from Timber & Other Forest Products is shown in Table

5.2 Table 5.2-Revenue from Timber and other Forest Products

Sl No.	Head of Account	(₹in lakhs)
1	2	3
0406-01-101 Sale of Timber and other Forest produce.		
1	99 Timber	24089.66
2	98 Firewood and Charcoal	21.69
3	97 Receipts from Sale of Forest Produce Coming under the Kerala Private Forest (Vesting and Assignment) Act.	6.09
4	96 Receipts from Forest Development Tax	1466.48
5	95 Receipts under Kerala Forest Produce	89.81
6	94 Other Items	41.81
Total (101)		25715.55
0406-01-800 Other Receipts		
1	99 Interests on Arrears of Forest Revenue	385.06
2	98 Receipts from Wild life department	190.35
3	97 Scheme for Provision of House Sites and houses to Landless Workers in Rural Area - Free Supply of Timber	0.00
4	96 Revenue Realised from the KFDC on the sale proceeds of residual growth	0.00

Sl No.	Head of Account	(₹in lakhs)
5	95 Other Items	1404.08
6	94 Livestock	21.93
7	93 Integrated Wasteland Development Programme	0.00
8	91 Receipts on account of Lapsed and Confiscated Deposits	4.26
9	90 Forest Land Lease rent	1304.79
Total (800)		3310.57
Grand Total		29026.12
	Refunds (0406-01-900-00)	5.60
	Net Revenue	29020.52

Forest Development Tax (FDT)

FDT is levied @ 5% on the sale proceeds of forest produce. After deducting the cost of collection of tax, balance amount was placed as additional budgetary source. During the year 2015-16 an amount of ₹1466.479 lakhs was collected as FDT.

Outstanding on Account of Forest Revenue

An amount of ₹315.725 crores is outstanding on account of forest revenue at the end of the year 2015-16.

Outlay and Expenditure

The outlay and expenditure during 2014-15 and 2015-16 is given in Table 5.3

Table 5.3-Outlay and Expenditure (₹in crores)

Schemes	2014-15		2015-16	
	Outlay	Expenditure	Outlay	Expenditure
State sector	160.00	120.34	159.65	127.18
Central sector	45.54	22.69	38.88	17.08
EAP	0.78	0.78	0.00	0.00
Total (Plan)	206.32	143.81	198.53	144.26
Non Plan	322.59	312.26	348.03	300.50
Grand Total	528.91	456.07	546.56	444.76

The Plan expenditure under forestry sector during 2015-16 is ₹144.264 crores, which is 72.66% of the total plan outlay. Out of this, State sector accounted for ₹127.18 crores and ₹17.08 crores under Central Sector.

Developments under 12th Five Year Plan

The year 2015-16 is the fourth year of the 12th Five Year Plan. The target and achievement is given in Table 5.4

Table 5.4-Year Wise Target and achievement during XII five year Plan 2015-16 (₹in Crores)

Year	Target	Achievement
2012-13	152.22	127.47
2013-14	170.25	116.68
2014-15	206.32	143.81
2015-16	198.53	144.26

During the 4th year of the XII Five Year Plan, ₹198.53 crores were invested for various development programmes implemented by forestry sector. Out of this, an expenditure of ₹144.26 crores has been incurred.

The financial targets and achievements for various departmental schemes for the years 2012-13, 2013-14, 2014-15 and 2015-16 are given in Table 5.5.

Table 5.5-Target and Achievement (Financial) (2012-13, 2013-14, 2014-15 & 2015-16)

Schemes	(₹ in lakhs)					
	2012-13,2013-14 & 2014-15		2015-16		Progressive Total	
	Targets	Achievements	Targets	Achievements	Targets	Achievements
1	2	3	4	5	6	7
State Sector Schemes (A)						
Management of Natural Forests						
(a) Forest Protection (Survey of Forest Boundaries & Forest Protection)	1625.00	1041.13	2100.00	1732.38	3725.00	2773.51
(b) Survey of Forest Boundaries	300.00	295.62	0.00	0.00	300.00	295.62
(c) Forest Protection	5335.00	5250.47	1685.00	1671.86	7020.00	6922.33
(d) Regeneration of Denuded Forests	150.00	146.16	50.00	49.26	200.00	195.42
(e)Non-wood forest produce including promotion of medicinal plants	220.00	215.65	220.00	215.89	440.00	431.54
Improving Productivity of Plantations	2480.00	2452.24	1475.00	1175.71	3955.00	3627.95
Infrastructure Development						
Roads	900.00	852.25	300.00	291.96	1200.00	1144.21
Buildings	1300.00	1286.25	672.00	661.45	1972.00	1947.70
Bio-diversity Conservation and Protected Area Management	8338.07	7243.93	2595.13	2548.30	10933.20	9792.23
Eco-tourism	1587.01	1522.54	700.00	690.37	2287.00	2212.91
Human Resources	750.00	751.83	300.00	299.99	1050.00	1051.82

Schemes	(₹ in lakhs)					
	2012-13,2013-14 & 2014-15		2015-16		Progressive Total	
	Targets	Achievements	Targets	Achievements	Targets	Achievements
1	2	3	4	5	6	7
Development						
Resources Planning and Research	150.00	154.24	50.00	49.79	200.00	204.03
Extension Forestry	1650.00	1577.79	0.00	0.00	1650.00	1577.79
Extension Community Forestry & Agro Forestry	1300.00	1084.87	1100.000	1093.84	2400.00	2178.71
FM IS & GIS	350.00	332.71	150.00	80.48	500.00	413.17
Management of Non-wood Forest Products	368.00	339.77	0.00	0.00	368.00	339.77
Works with assistance under Rural Infrastructure Development Fund	4700.00	1856.53	2500.00	789.78	7200.00	2646.31
13th Finance Commission Award	3388.00	2671.13	0.00	0.00	3388.00	2671.13
Integrated Forest Management *	300.00	207.59	160.00	74.62	460.00	282.21
Measures to reduce Man Animal conflict	2700.00	2519.35	400.00	397.05	3100.00	2916.40
Zoological Park, Wildlife Protection and Research Centre, Puthur	3250.01	595.47	200.00	27.24	3450.01	622.71
Schemes under Kerala Perspective Plan	0.00	0.00	100.00	73.99	100.00	73.99
Development of Infrastructure Measures to Reduce Man Animal Conflict	0.00	0.00	500.00	492.12	500.00	492.12
Green India Mission	0.00	0.00	0.010	0.00	0.010	0.00
Total (A)	41141.09	32397.51	15257.14	12416.08	56398.23	44813.59
Break-up of Centrally Sponsored Schemes(CSS) - (B)						
100% CSS	5772.58	2728.25	1055.00	270.00	6827.58	2998.25
75% CSS (IFM) *	900.00	622.77	240.00	111.94	1140.00	734.70
50% CSS ** (Sanctuaries & National Parks)	4988.00	2971.34	1755.88	924.02	6743.88	3895.36
Integrated Development of Wildlife Habitats (Protection of	0.00	0.00	245.00	245.04	245.00	245.04

Schemes	(` in lakhs)					
	2012-13,2013-14 & 2014-15		2015-16		Progressive Total	
	Targets	Achievements	Targets	Achievements	Targets	Achievements
1	2	3	4	5	6	7
Wildlife – Outside Protected areas – 60% CSS)						
Project Elephant (100% scheme remodified as 60% CSS from 2015-16 onwards)	0.00	0.00	400.00	254.82	400.00	254.82
National Afforestation Programme (100% scheme remodified as 50% CSS from 2015-16 onwards)	0.00	0.00	900.00	204.50	900.00	204.50
Total CSS (B)	11660.58	6322.36	4595.88	2010.32	16256.46	8332.68
Biodiversity Conservation and Rural Livelihood Improvement Project (EAP)	77.56	77.56	0.00	0.00	77.56	77.56
Total Plan	53179.23	38797.43	19853.02	14426.40	73032.25	53223.83

*75% scheme remodified as 60% CSS from 2015-16 onwards

**50% CSS modified as 60% CSS from 2015-16 onwards

Outlay and Expenditure under Plan Schemes

During 2015-16, an expenditure of ₹14426.401 lakhs was incurred against the budget provision of ₹19853.020 lakhs. Details of budget head wise allotment and expenditure are shown in Table 5.6.

Table 5.6- Achievements on Plan Schemes (Financial) during 2015-16

Sl No.	Scheme & Head of Account	Financial (` in lakhs)	
		Budget Outlay	Expenditure
1	2	3	4
A. State Sector Schemes			
I	Management of Natural Forests		
1	Forest Protection (2406-01-101-81)	1685.000	1671.857
2	Forest Protection (Survey of Forest Boundaries & Forest Protection) (4406-01-101-99)	2100.000	1732.382
3	Regeneration of Denuded Forests (2406-01-101-94)	50.00	49.261
4	Non-wood forest produce including Promotion of medicinal plants (2406-01-101-80)	220.00	215.890
5	Schemes under Kerala Perspective Plan 2030 (2406-01-102-87)	100.000	73.990
Sub Total		4155.000	3743.380

Sl No.	Scheme & Head of Account	Financial (₹ in lakhs)	
		Budget Outlay	Expenditure
II	Improving Productivity of Plantations		
1	Hard Wood Species (4406-01-105-87)(1)	491.000	493.240
2	Industrial Raw Materials (4406-01-105-87)(2)	690.000	682.470
3	Hardwood Species (Mechanisation of Forest Management Practices) One Time ACA (4406-01-105-87) (03)	294.000	0.000
Sub Total		1475.000	1175.710
III	Infrastructure Development		
1	Roads (4406-01-070-99)	300.000	291.962
2	Buildings (4406-01-070-97)	672.000	661.450
Sub Total		972.000	953.412
IV	Bio-diversity Conservation and PA Management		
1	Conservation of Biodiversity(2406-02-110-68)	350.000	352.767
2	Eco Development Programme (2406-02-110-56)	250.000	247.850
Sub Total		600.000	600.617
V	Eco-Tourism (4406-01-800-91)	700.000	690.373
VI	Human Resource Development		
1	Training (2406-01-003-97)	300.000	299.991
VII	Resource Planning & Research (2406-01-004-92)	50.000	49.791
VIII	Forest Management IS&GIS (2406-01-800-57)	150.000	80.466
IX	Extension Community Forestry & Agro Forestry (2406-01-800-55)		
1	(01) Extension Forestry	1092.650	1087.001
2	Forest Extension & publicity (2406-01-800-98)	7.350	6.842
X	Works with assistance from RIDF (4406-01-800-90)	2500.00	789.783
XI	Development of Infrastructure Measures to Reduce Man Animal Conflict (4406-01-800-85) (ACA)	500.000	492.120
XII	Measures to reduce Man Animal Conflict (2406-01-800-56)	400.00	397.050
XIII	Zoological Park, Wildlife Protection and Research Centre, Puthur (2406-02-110-48)	200.000	27.243
XIV	Green India Mission (2406-02-110-48)	0.010	0.000
B. 50% CSS modified as 60% CSS			
1	Neyyar Game Sanctuary (2406-02-110-97)	200.000	127.008
2	Wayanad Game Sanctuary (2406-02-110-96)	280.000	217.630
3	Development of National Park at Eravikulam (2406-02-110-94)	260.000	219.400
4	Development of National Park Biosphere Research at Silent Valley (2406-02-110-91)	380.000	249.180
5	Wildlife Sanctuary – Idukki (2406-02-110-90)	120.000	107.200
6	Wildlife Sanctuary – Peechi, Vazhani (2406-02-110-89)	120.000	97.250
7	Wildlife Sanctuary – Peppara (2406-02-110-88)	80.000	73.715
8	Wildlife Sanctuary – Schendurney (2406-02-110-87)	80.000	76.420
9	Wildlife Sanctuary – Chimmoney (2406-02-110-86)	80.000	76.940
10	Wildlife Sanctuary – Aralam (2406-02-110-85)	180.000	130.170
11	Wildlife Sanctuary – Chinnar (2406-02-110-84)	160.000	96.830
12	Bird Sanctuary at Thattekkad (2406-02-110-83)	95.000	72.2000
13	Development of Anamudi National Park (2406-02-110-64)	100.000	57.280

Sl No.	Scheme & Head of Account	Financial (₹ in lakhs)	
		Budget Outlay	Expenditure
14	Development of Mathikettan National Park (2406-02-110-63)	64.000	53.080
15	Development of Pambadum National Park (2406-02-110-62)	100.000	55.740
16	Mangalavanam Bird Sanctuary (2406-02-110-61)	30.000	29.997
17	Kurinjimala Sanctuary (2406-02-110-58)	40.000	31.930
18	Agasthyamala Lanscape Project (2406-02-110-57)	2.000	0.000
19	Chulannur Peacock Sanctuary (2406-02-110-54)	40.000	38.010
20	Malabar Wildlife Sanctuary (2406-02-110-53)	70.000	44.598
21	Kottiyoor Wildlife Sanctuary (2406-02-110-45)	90.010	71.502
22	Kadalundi – Vallikunnu Community (2406-02-110-44)	80.000	0.000
23	Project Tiger – Periyar (2406-02-110-42) (01)	700.000	571.530
24	Project Tiger – Parambikulam (2406-02-110-42) (02)	400.000	374.000
25	Integrated Development of Wildlife Habitats (Protection of Wildlife – Outside Protected areas – 60% CSS) (2406-02-110-52)	245.000	245.040
26	Project Elephant (2406-02-110-71) (100% Scheme renodified as 60% CSS)	400.000	254.820
27	Integrated Forest Protection Scheme (2406-01-800-54) (75% Scheme renodified as 60% CSS)	400.000	186.549
28	National Afforestation Programme (2406-01-102-89) (100% Scheme renodified as 50% CSS)	900.000	204.500
Sub Total		5696.010	3762.623
C. Centrally Sponsored Schemes having 100% Central Share			
1	Nilgiri Biosphere Reserve (2406-02-110-80)	200.000	0.000
2	Agasthyamala Biosphere Reserve (2406-02-110-66)	250.000	0.000
3	Wetland Conservation (2406-01-800-60)	125.000	0.000
4	Integrated Development of Wildlife Habitats to Wayanad Wildlife Sanctuary for voluntary relocation of settlements from PA (2406-02-110-49)	480.000	270.000
100% CSS Total (C)		1055.000	270.000
Grand Total		19853.02	14426.40

Outlay and Expenditure under Non-Plan Schemes

An expenditure of ₹30049.903 lakhs was incurred against the budget provision of ₹34802.8 lakhs during 2015-16. Details on budget head wise allotment and expenditure are shown in Table 5.7.

Table 5.7-Achievements on Non-plan Schemes (Financial) during 2015-16.

Sl No.	Scheme & Head of Account	2015-16 (₹ in Lakhs)	
		Outlay	Expenditure
I	Direction & Administration (2406-01-001)		
1	Office of the Chief Conservator of Forests (2406-01-001-99)	1455.000	1286.748

Sl No.	Scheme & Head of Account	2015-16 (₹ in Lakhs)	
		Outlay	Expenditure
2	Office of the Conservator of Forests (2406-01-001-98)- Circle Office	662.73	457.348
3	Working Plan & Research Circle (2406-01-001-97)	63.250	48.471
4	Vigilance & Evaluation Wing (2406-01-001-96)	1475.620	1155.013
5	District Offices (2406-01-001-95)	10544.240	9156.238
6	Statistical Cell (2406-01-001-94)	29.340	2.797
7	Timber Sales Division (2406-01-001-93)	605.510	515.812
8	FD Fund Collection of add. tax on sales of Forest Produce (2406-01-001-92)	0.010	0.000
Sub Total		14835.700	12622.427
II	Statistics (2406-01-013)		
1	Planning & Statistical Cell (2406-01-013-99)	156.610	130.101
Sub Total		156.610	130.101
III	Communication & Buildings (2406-01-070)		
1	Roads & Bridges (2406-01-070-99)	50.000	42.578
2	Buildings (2406-01-070-98)	90.510	84.6555
Sub Total		140.510	127.233
IV	Forest Conservation Development & Regeneration (2406-01-101)		
1	Forest Consolidation & Acquisition of Private Forests(2406-01-101-99)	3356.210	2806.107
2	Working Plans, Evaluation Survey, etc. (2406-01-101-98)	2.500	1.999
3	Silvicultural Works (2406-01-101-97)	8.000	7.851
4	Fire Protection Work (2406-01-101-96)	20.560	12.188
5	Compensatory Afforestation (2406-01-101-92)	12.500	11.369
6	Amount met out of KFDF for Planting Softwood Trees (2406-01-101-91)	284.330	245.431
7	Transfer to the fund for TEAK under the Kerala Forest Revolving Fund for Teak and Pulpwood Rules,1999 (2406-01-101-90)	967.240	992.983

Sl No.	Scheme & Head of Account	2015-16 (₹ in Lakhs)	
		Outlay	Expenditure
8	Transfer to the fund for PULPWOOD under the Kerala Forest Revolving Fund for Teak and Pulpwood Rules,1999 (2406-01-101-89)	1011.010	1046.591
9	Priority Scheme Under 13 th Finance Commission Award(2406-01-101-84)	127.000	126.311
10	Forest Protection (2406-01-101-81)	4030.950	3143.591
11	Priority Scheme Under 14 th Finance Commission Award(2406-01-101-79)	0.010	0.000
Sub Total		9820.310	8394.421
V	Social & Farm Forestry (2406-01-102)		
1	Plantation of fast growing species (2406-01-102-99)	322.900	244.534
2	Ecology Development World Bank Assisted Social Forestry (2406-01-102-98)	2352.200	1862.219
3	Ecology Development World Bank Assisted Social Forestry, Phase-II (2406-01-102-92)	133.250	107.700
Sub Total		2808.350	2214.453
VI	Forest Produces (2406-01-105)		
1	Timber & Other Produces removed by Govt. Agencies (2406-01-105-99)	2548.500	2431.560
2	Firewood & Charcoal removed by Govt. Agencies (2406-01-105-98)	9.500	5.387
3	Other Produce removed by Govt. Agencies (2406-01-105-97)	0.080	0.030
4	Timber & Other Produces removed by Consumers (2406-01-105-96)	0.070	0.000
5	Confiscated Forest Produce Drift wood, etc. (2406-01-105-95)	1.100	0.350
6	Livestock (2406-01-105-94)	493.070	463.655
7	Miscellaneous Advance Suspense (2406-01-105-93)	4.000	3.980
8	Teakwood (2406-01-105-92)	570.690	739.877
9	Softwood (2406-01-105-91)	69.330	96.427
Sub Total		3696.340	3741.266
VII	Education & Training (2406-01-003)		
1	Training (2406-01-003-99)	379.060	294.383
Sub Total		379.060	294.383

Sl No.	Scheme & Head of Account	2015-16 (₹ in Lakhs)	
		Outlay	Expenditure
VIII	Forest Research (2406-01-004)		
1	Payment out of the KFDF for Forest Research (2406-01-004-95)	112.320	81.968
2	Forest Research & Training (2406-01-004-99)	53.290	39.204
Sub Total		165.610	121.172
IX	Survey and Utilization of Forest Resources (2406-01-005)		
1	Forest Resources Survey (2406-01-005-99)	70.000	35.840
2	Survey of Forest Boundaries (2406-01-005-98)	206.170	138.400
Sub Total		276.170	174.240
X	Other Expenditure (2406-01-800)		
1	Forest Publicity(2406-01-800-98)	52.000	42.053
2	Intensification of Forest Management (2406-01-800-93)	147.050	106.224
3	Relief to Victims Affected by the attack of Wild Animals (2406-01-800-92)	371.910	361.450
4	Rewards to Informants (2406-01-800-91)	0.300	0.050
5	Subsidy to KFDC (2406-01-800-72)	0.010	0.000
6	Forest Protection(2406-01-800-95)	48.070	11.078
Sub Total		619.340	520.855
XI	Wildlife Preservation (2406-02-110)		
1	Wildlife Preservation (2406-02-110-99)	1252.460	1108.047
2	Periyar Tiger Reserve Project (2406-02-110-93)	185.630	182.423
3	Conservation of Bio-diversity (2406-02-110-68)	375.200	355.807
4	Eco-Development Global Environmental Facilities (2406-02-110-69)	78.500	63.076
Sub Total		1891.790	1709.352
XII	LAC ADS (4406-01-101)		
1	Projects under Legislative Assembly Constituency Asset Development Scheme (4406-01-101-97)	13.000	0.000
Sub Total		13.000	0.000

Sl No.	Scheme & Head of Account	2015-16 (₹ in Lakhs)	
		Outlay	Expenditure
XIII	EFL (4406-01-102)		
1	Acquisition Lcharges of Land notified as EFL under Kerala Forest (Vesting & Management of EFL) Act 2003 (4406-01-102-96)	0.010	0.000
Sub Total		0.010	0.000
Grand Total		34802.800	30049.903

Note: - Since the reconciliation process during 2015-16 was not completed, figures given in the tables 5.6 and 5.7 were the figures reported in the Plan and Non-plan Progress Reports as on 31.3.2016, respectively.

Funds received directly from Government of India:-The scheme-wise funds received directly from Government of India and the expenditure incurred during 2015-16 is given in Table 5.8.

Table 5.8-Expenditure on funds received directly from Govt. of India

Scheme	Amount Released (₹ in lakhs)			Expenditure Incurred (₹ in Lakhs)		
	Till 31 st March 2015	During 2015-16	Total	Till 31 st March 2015	During 2015-16	Total
CAMPA	765.58	0	765.58	524.46	97.57	622.03

5.1.12 Work done during the year for other Government Departments and expenditure incurred: -

Sl No.	Source	Beneficiary Circle/ Division	Purpose	Amount Received during the year (₹ in Lakhs)	Expenditure (₹ in Lakhs)
1	Petronet LNG Ltd.	SF Ernakulam	Mangrove Afforestation	30.000	20.357
			Tree Afforestation	3.440	2.217
2	Tourism department	EC Palakkad	Anangamala Eco- tourism project	20.000	20.000

Chapter 6

INFRASTRUCTURE

6.1 Roads

The details of roads maintained by Kerala forest department as on 31.03.2016 are shown below.

Sl No.	Type of Road	Length (Km)
1	Cement Concrete	20.652
2	Black Topped	450.418
3	Metalled	869.882
4	Earthern Road(Un-Surfaced)	3388.754
	Total	4729.706

Of the 4729.706 km, length of motorable is 3902.026 KM and that of non-motorable is 827.680 KM.

6.2 Buildings

Details of buildings maintained by the department as on 31.03.2016 are shown below.

Sl No.	Item	Number
1	Office Buildings	324
2	Rest Houses / Government Cottages/IB	64
3	Residential Quarters	1281
4	Other Quarters	106
5	Dormitories	73
6	Community Halls	40
7	Forest Stations and associated buildings	114
8	Other Buildings	1037
	Total	3039

6.3 Vehicles

6.3.1 Kerala Forest Department possesses 664 different types of vehicles. Of these, 567 are in running condition and 97 are not in running condition. The detailed list is shown below.

Sl No.	Vehicles	No. of vehicles		Total Number of Vehicles
		In running condition	Not in running condition	
1	Ambassador Car	13	3	16
2	Maruthi Xylo	3	0	3
3	Bolero	117	5	122
4	Jeep	186	29	215
5	Car	17	0	17
6	Invader	11	1	12
7	Maruthy Gypsy	2	0	2
8	Mini Bus	9	0	9

Sl No.	Vehicles	No. of vehicles		Total Number of Vehicles
		In running condition	Not in running condition	
9	Mini Van	2	0	2
10	Mini Lorry	3	1	4
11	Motor Cycle	98	48	146
12	Toyota Qualis	7	0	7
13	Tata Sumo	1	0	1
14	Tata Spacio	1	0	1
15	Maruthi SX 4	8	0	8
16	Indigo Cars	12	1	13
17	Tata Winger	3	0	3
18	Road Roller	0	2	2
19	Lorry	4	1	5
20	Mahindra Thar	57	1	58
21	Boat	13	5	18
	Total	567	97	664

6.3.2 Purchase of Vehicles: - During 2015-16, KFD purchased 2 vehicles (Mini Buses).

6.3.3 Disposed Vehicles: - Details of vehicles disposed are shown below.

Mahindra Pick up-2, Tata Mini Lorry-1, Jeep-1, Two wheeler-4.

6.4 Arms & Ammunition

Necessary arms & ammunition have been provided to the Divisional Forest Officers, Range Forest Officers and Forest Station staff in vulnerable areas for effective protection of forests and wildlife. The details as on 31-03-2016 are as shown below.

Sl No.	Circle	No. of Rifles	No. of Revolvers	No. of Ammunition (Catridges & Bullets)
1	Kollam	26	13	239
2	Kottayam	58	13	550
3	Thrissur	37	10	120
4	Palakkad	47	8	847
5	Kannur	29	05	685
6	Agasthyavanam Biological Park, Thiruvananthapuram	13	06	1355
7	Field Director Project Tiger, Kottayam	91	19	2156
8	Wildlife, Palakkad	70	15	1597
9	Inspection & Evaluation, Kottayam	15	6	300
10	Inspection & Evaluation, Kozhikode	16	8	428
11	Estate Office, FHQ, Tvpm.	10	0	4065
	Total	412	103	12342

Chapter 7

MISCELLANEOUS

7.1 Adalats

During 2015-16, File adalats, offence adalat and LAR adalats were conducted at various offices.

7.2 Seminars, Conferences & Workshops

During 2015-16, 38 Nature Camps by Palakkad Circle and 2 regional workshops were conducted for field staffs on 18.11.2015 and 19.11.2015 at Forest Training Institute, Walayar, and Palakkad. 86 Nature camps, 2 awareness camps, one medical camp and a seminar on Bio-Diversity conservation were conducted by Northern Circle, Kannur. 'Kole Wet Land Bird Survey' undertaken in association with Kerala Agriculture University (KAU) under Thrissur Circle. Also various nature camps, medical camps, awareness classes on fire protection and wildlife attack and anti plastic campaign were conducted. Campaign against forest fire, Media camp, Environment day celebration and awareness class as part of 'Wildlife Week' celebration were conducted by FDPT Kottayam.

Social Forestry Kollam conducted various programs like district level wildlife week celebration, State level inauguration of Harithakeralam scheme, literacy competitions among students of schools and colleges in connection with wildlife week celebration, awareness classes to children of various schools, 46 nature camps, orientation class on forestry club, Dr. Salim Ali day celebration, Vanadarshan program, SPC camp, NSS camp, Forest Martyrs day, film shows, rallies and seminars. Social forestry circle, Ernakulam conducted 128 Nature camps, formed Nakshatravanam at Subhash Park Ernakulam, World Environment day celebration, Wildlife week celebration, World forestry day celebrations etc.

Wildlife division of Palakkad conducted many Nature camps, medical camps, fire awareness rally, Global Tiger day, Vanaparichayam campaign, Workshop on Asian Elephants and Tiger Veterinary at Wayanad, workshop of protection strategies, workshop on Forest Right Act, workshop on strengthening wildlife law enforcement and conservation in India. Social Forestry Division of Kozhikkode conducted Nature camps, Earth day observation, workshop on forestry club, seminar on mangroves, seminar on International Ozone Day and film shows. High Range Circle conducted Fire Protection awareness rally and campaign, e-auction awareness class and World Wildlife Day seminar.

7.3 Fairs and Exhibitions

During 2015-16, a Sale cum exhibition of NTFP conducted at Valliyoorkavu in connection with Festival at Valliyoorkavu Temple, by Northern Circle, Kannur. All Divisions of Thrissur Central Circle were participated in Kananasangamam through FDAs. FDA Chalkkudy

participated in Bamboo fest in Eranakulam and exhibitions related to 'Koodal Manikyam Utsavam' and 'Koratty Thirunal'. FDA Vazhachal participated in Bamboo fest at Eranakulam and Thlikulam fest. FDA Malayattur participated in Annam fest at Eranakulam, Bio-Diversity fest at Kottayam, Paithrukotsavam at Palakkad and Bamboo fest in Kanasangamam. FDPT Kottayam conducted Thekkady flower show, Karshika Mela, Food fest, Techno fest, Biodiversity fest and Campus fest. 15 Exhibitions were conducted by Social Forestry, Kollam. Social Forestry Division Kozhikode conducted 29 Exhibitions. High Range Circle participated in International science, technology and cultural exhibition VAJRA 2K15.

7.4 Implementation of the Right to Information Act (RTI): - The Right to Information Act is being effectively implemented in the department. Out of the 339 applications received, all were disposed as on 31.03.2016. The details are furnished below.

7.4.1 Suo Motu disclosure under Section 4(1) (b)

No. of Public Authorities	No. of Public Authorities which published the 17 Manuals under Section 4(1)(b)	No. of Public Authorities which updated the 17 Manuals during the Year	No. of Public Authorities which displayed the 17 Manuals Online
1	0	0	1

7.4.2 Designation of Information Officers / Appellate Officers

No. of Public Authorities	No. of Public Information Officers Designated	No. of Assistant Public Information Officers Designated	No. of Appellate Officers Designated
1	328	94	115

7.4.3 Disposal of Information requests by Public Information Officers (Directly requested)

No. of requests pending at the end of last year	No. of requests received during the Year 2015-16	Total No. of requests	No. of requests disposed	No. of requests rejected
0	339	339	339	0

7.4.4 Information requests rejected by Public Information Officers (Directly requested)

Total No. of requests rejected	No. of requests rejected under section 8	No. of requests rejected under other sections
0	0	0

7.4.5 Disposal of first appeals by Designated Appellate Officers

No. of first Appeals pending with Appellate Officers as on 31-03-15	No. of first Appeals preferred during the Year 2014-15	Total No. of first Appeals with Appellate Officers	No. of First Appeals disposed	No. of First Appeals rejected	No. of First Appeals pending for more than 45 days
0	18	18	18	0	0

7.4.6 Penalties Imposed & Collected

Details of penalties imposed by Information Commission under Section 20(1)	Details of penalties Collected
Nil	Nil

7.4.7 Disciplinary action taken against officers in respect of administration of RTI Act

Details of disciplinary action recommended by Information Commission under section 20 (2)	Details of disciplinary action taken based on recommendation of Information Commission	Other disciplinary actions taken (Other than those recommended by IC)
Nil	Nil	Nil

7.4.8 Summary costs, fees and charges collected by Public Authorities

(in ₹)

Cost collected Section 4(4)	Fee collected Section 6(1)	Fee Collected Section 7(1)	Fee Collected Section 7(5)	Other charges collected	Total Collection
0	3390	98	0	0	3488

The list of State Public Information Officers and Appellate Authorities of the department is at *Annexure 4*.

7.5 The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 :- The Forest Rights Act 2006 envisages recognition of rights of forest dependent communities. The Act recognise the rights of the forest dwelling scheduled tribes and the responsibility and authority for sustainable use, conservation of biodiversity and maintenance of ecological balance of dependent communities in terms of individual and community rights.

The Scheduled Tribes Development Department is the Nodal Agency in Kerala entrusted with the task of implementation of the Forest Rights Act. Kerala Government had constituted a Working group on 25-02-2008 for constitution of various committees and for working out modalities of implementation of the Act and to assign responsibilities to various departments especially Forest, Revenue, Local Self Government

and SC/ST Departments. The Forest Rights Act implementation process in the State is done through 511 Grama Sabhas, 14 Sub Divisional Level Committees and 12 District Level Committees.

- **Sub Division level Committee**

RDO / Sub-Collector	-	Chairman
Range Forest Officer	-	Member
Tribal Extension Officer	-	Member

- **Division Level Committee(DLC)**

District Collector	-	Chairman
Divisional Forest Officer	-	Member
Range Forest Officer/ITDP/TDO	-	Member

- **State Level Monitoring Committee(SLMC)**

Chief Secretary	-	Chairman
Secretary, SCSTDD	-	Member
Secretary, F&WLD	-	Member
Secretary, LSGD	-	Member
Secretary, Revenue Dept	-	Member
Principal CCF	-	Member
Director, STDD	-	Member

7.5.1 **Individual Right** means right to hold and live in the forest land under the individual or common occupation for habitation or for self cultivation for livelihood by a member or members of forest dwelling scheduled tribes or other traditional forest dwellers.

Community Right means the right of ownership, access to collect, use and dispose of minor forest produce which has been traditionally collected within or outside village boundaries.

As on 31.03.2016 out of 37066 eligible individual claims passed by District Level Committee (DLC), 25818 rights were accepted. As on 31.03.2016, 327 rights are accepted under community rights.

7.6 Internal Control System

7.6.1 As per the Public Accounts Committee's (PAC) recommendations in 57th report (2001-2004), internal audits are conducted in offices of forest department every year just before Accountant General's audit, in order to reduce observations/audit paras. Since internal audit (IA) units were found non sufficient to meet the requirement, action has been taken to constitute one more unit of IA Wing.

7.6.2 As per list of pending audit observations of the Accountant General as on 30.09.2015 there are 446 para pending in 115 reports of the LAR. During the last month reply has been submitted for 195 paras in 32 reports from various offices. Most of the pendency was noticed in

Southern and High Range circles and meetings were convened on 18.01.2016 and 19.01.2016 to clear the pendency.

7.7 Grievance Redressal Cell

A grievance Redressal Cell is functioning in the department for dealing with the complaints received from public and staff. Consequent to the direction of the Hon'ble Supreme Court, a complaint committee in connection with 'sexual harassment against women at working places' has been formed at headquarters vide Order No. E6 28827/2004 dated: 26.02.2008 of the Principal Chief Conservator of Forests. This committee has the right to receive complaints from employees of department regarding sexual harassment at work place, conduct enquiry on the complaints received, to take necessary decision on the complaints received and to submit recommendations to the Head of the department. The details of the committee are as follows

Sl No.	Name and Designation	Position in the committee
1	Smt. C. Meenakshi, IFS Deputy Conservator of Forests (E&TW)	Chairperson
2	Adv. Rakhi Ravikumar Deputy Mayor and Councillor, Vazhuthacaud	Member
3	Sri. K. N. Syam Mohanlal Deputy Forest Conservator (Administration)	Member
4	Smt. S. R. Santhakumari Amma Personal Assistant	Member
5	Smt. Mary Raseela Junior Superintendent (Special Afforestation)	Member
6	Smt. Swathi Suresh	Member

7.8 Implementation of Official Language Act

As per the G.O No. 7223/OL3/85/P&ARD, dated: 01.09.1985, the official language of the department is Malayalam. However, the same could not be implemented fully. Efforts have been made to use Malayalam as official language fully and all staff of the department has been working earnestly in this direction. Communications are being done in Malayalam to the maximum extent. Instructions regarding the preparation of orders pertaining to transfer/promotion, proceedings, circular, etc. in Malayalam are being implemented. All employees should prepare leave applications in Malayalam. All public notices are invariably prepared in Malayalam and name boards on all department vehicles were been written in Malayalam. It is decided to use the freely downloaded software viz; 'Kaveri' in all offices and websites of forest department. Senior Administrative Officer of the department has been entrusted as the Nodal Officer for supervising the progress in this regard. A translation cell has been constituted to translate the codes, manuals, rules, forms, etc. of the department vide G.O (Ms) No. 19/03/P&ARD, dated: 16.07.2003.

7.9 Computerisation

7.10.1 Computerisation was done up to the Range/Depot level. The department has supplied necessary computers and accessories up to Range/Depot level Offices. The department has hosted a website (www.forest.kerala.gov.in) which contains information about the functions of KFD. It acts as a link between the department and the public.

7.10 National sports meet 2015-16:- 22nd All India Forest Sports and Games Meet 2015-16 were conducted during December 2015 at Bangalore. The all round performance of the Kerala was very satisfactory. Kerala stood at 4th place with 22 Gold, 16 Silver and 11 Bronze Medal and scored 187 points over all. The total expenditure for the above sports meet was ₹22.75 lakhs under Budget Head: 2406-01-003-97 HRD.

Annexure 2

Division wise no. of Check Posts as on 31.03.2016

Sl No.	Division	Range		Check Post	Whether Interstate or not (Y/N)
Southern Circle - Kollam					
1	Thiruvananthapuram	Paruthipally	1	Parassala	Y
		Kulathupuzha	2	Venkolla	N
			3	Elavupalam	N
			4	Anappara	N
2	Thenmala	Thenmala	5	Neduvannurkadavu	N
		Aryankavu	6	Kottavasal (Aryankavu)	Y
3	Punalur	Pathanapuram	7	Karavoor	N
		Anchal			
4	Achenkovil	Achenkovil	8	Kottavasal (Achenkovil)	Y
		Kallar			
		Kanayar			
5	Konni	Konni	9	Athumpumkulam	N
		Naduvathumuzhy	10	Njanaval	N
			11	Padam	N
		Mannarappara	12	Mullumala	N
6	Ranni	Ranni	13	Laha(Rajam para)	N
		Goodrical	14	Kochandy	N
		Vadasserikkara	15	Vadasserikkara	N
High Range Circle - Kottayam					
7	Kottayam	Kumili	16	Cumbummettu	Y
		Erumeli	17	Pulluppara	N
			18	Vazhikadavu	N
		Ayyappancoil			
		Nagarampara			
8	Kothamangalam	Kaliyar			
		Mullaringad			
		Thodupuzha	19	Guruthikkalam	N
		Kothamangalam	20	Thadikulam	N
9	Munnar	Munnar			
		Neriyamangalam	21	Thalakkodu	N
		Adimali	22	Panamkutty	N
		Devikulam	23	Bodimettu	Y
			24	Palar	N

Sl No.	Division	Range		Check Post	Whether Interstate or not (Y/N)	
10	Mankulam	Mankulam				
		Anakulam				
11	Marayoor	Marayoor	25	Chattamunnar	N	
		Kanthalloor	26	Pius Nagar	N	
Central Circle - Thrissur						
12	Thrissur	Vadakkancherry				
		Machadu				
		Pattikkadu				
13	Chalakydy	Pariyaram	27	Kappathodu	N	
		Palappilly	28	Parakadavu	N	
		Vellikulangara	29	Mattathoor	N	
14	Vazhachal	Vazhachal				
		Athirappally				
		Kollathirumed				
		Charpa	30	Vazhachal	N	
		Sholayar	31	Malakkappara	Y	
15	Malayattoor	Edamalayar				
		Kalady	32	Karakkadavu	N	
			33	Kadappara	N	
		Kodanadu				
		Kuttampuzha	34	Thattakadu	N	
		Thundathil	35	Boothathankettu	N	
Eastern Circle - Palakkad						
16	Nenmara	Alathur				
		Nelliyampathy	36	Pothundi	N	
			Kollengode	37	Gopalapuram	Y
				38	Meenakshipuram	Y
				39	Minnampara	N
17	Palakkad	Ottappalam				
		Olavakkode				
		Walayar	40	Walayar	Y	
18	Mannarkkad	Agali	41	Anakatty	Y	
			42	Keralamedu	Y	
		Attappadi				
		Mannarkkad	43	Anamooly	N	
			44	Inchikunnu	N	
19	Nilambur North	Nilambur				
		Edavanna				
		Vazhikkadavu	45	Anamari	Y	
20	Nilambur South	Kalikavu				
		Karulai	46	Cherupuzha	N	

Sl No.	Division	Range		Check Post	Whether Interstate or not (Y/N)
Northern Circle – Kannur					
21	Kozhikkode	Thamarassery			
		Kuttiyadi			
		Peruvannamoozhi			
22	Kannur	Kottiyor	47	Iritty	Y
		Kannavam			
		Thaliparamba			
23	Kasargode	Kasargode	48	Thalappady	Y
			49	Kottayadi	Y
		Kanjangad	50	Kallar(Panathur)	Y
			51	Niravalipuzha	N
		Begoor			
		Mananthavadi			
25	Wayanad South	Meppadi	52	Choladi	Y
		Kalpetta	53	Lakkidy	N
		Chedlath			
Wildlife Circle					
26	Thiruvananthapuram	Peppara	54	Kanithadam	N
		Neyyar			
		ABP Range			
27	Shenthurni	Shenthurni	55	Kattilpara	N
			56	Rosemala	N
28	Periyar East	Thekkady	57	Thekkady	N
			58	Kumili	Y
			59	Anathodu	N
			60	Vallakkadavu	N
29	Munnar	Eravikulam National Park	61	Rajamala	N
			62	Chinnar	Y
		Chinnar National Park	63	Karimutti	Y
			64	Top station	Y
			65	Methappu	N
30	Periyar West	Pamba	66	Pachakanam	N
		Azhutha			
31	Idukki	Idukki	67	Vanmavu	N
		Thattekkad			
32	Wayanad	Muthanga	68	Muthanga	Y
			69	Pazhoor	Y
		Tholpetty	70	Tholpetty	Y
			71	Bavali	Y
		Kurichiyad	72	Kuppady (3 rd Mile)	N
		Sulthan Batheri			

Sl No.	Division	Range		Check Post	Whether Interstate or not (Y/N)
33	Parambikulam	Sungam	73	Anappadi	Y
			74	Keerappadi	Y
		Orukomban	75	Thoothanppara	N
		Parambikulam			
		Karimala			
34	Peechi	Chimmoni	76	Echippara	N
		Peechi			
35	Silent Valley	Silent Valley NP			
		Bhavani			
36	Aralam	Aralam			

Annexure 3**The e-mail addresses and phone/fax numbers of officers**

Sl No.	Designation	Email ID	Phone	Fax	Office Mobile
1	Principal Chief Conservator of Forests	pccf.for@kerala.gov.in	0471-2339593	0471-2338808	9447979001
2	Principal Chief Conservator of Forests (SF)	pccf-sf.for@kerala.gov.in	0471-2325364	0471-2325364	9447979163
3	Principal Chief Conservator of Forests (WL) and Chief Wildlife Warden	cww.for@kerala.gov.in or pccf-dp.for@kerala.gov.in	0471-2321610	0471-2320554	9447979015
4	Additional Principal Chief Conservator of Forests (WP&R)	apccf-wp.for@kerala.gov.in	0471-2337545		9447979012
5	Additional Principal Chief Conservator of Forests (D&P)	apccf-dp.for@kerala.gov.in	0471-2337545		9447979004
6	Additional Principal Chief Conservator of Forests (Regional South)	apccf-sr.for@kerala.gov.in	0474-2741872	0474-2741872	9447979019
7	Additional Principal Chief Conservator of Forests (Regional North)	apccf-nr.for@kerala.gov.in	0495-2418400	0495-2415391	9447979002
8	Additional Principal Chief Conservator of Forests (Administration)	apccf-admin.for@kerala.gov.in	0471-2338491	0471-2338491	9447979000
9	Addl. Principal Chief Conservator of Forests (Development)	apccf-d.for@kerala.gov.in	0471-2337535	0471-2337538	9447979005
10	Addl. Principal Chief Conservator of Forests(Protection)	apccf-pro.for@kerala.gov.in	0471-2327804	0471-2327804	9447979012
11	Addl. Principal Chief Conservator of Forests (Vigilance)	apccf-vig.for@kerala.gov.in	0471-2321583	0471-2321583	9447979008
12	Addl. Principal Chief Conservator of Forests (ED & Tw)	apccf-ed.for@kerala.gov.in	0471-2321847	0471-2321847	9447979008
13	Additional Principal Chief Conservator of Forests(IHRD)	apccf-ihrd.for@kerala.gov.in	0471-2362291	0471-2362291	9447979011
14	Additional Principal Chief Conservator of Forests (BDC)	apccf-bdc.for@kerala.gov.in	0471-2736327	0471-2736327	9447979090
15	Chief Conservator of Forests (FMIS)	apccf-fmis.for@kerala.gov.in	0471-2337548	0471-2337548	9447979005
16	Custodian of EFL	efl-ctdn.for@kerala.gov.in	0471-2529129		9447979016
17	Chief Conservator of Forests (SA&NO)	ccf-sa.for@kerala.gov.in	0471-2328347	0471-2328347	9447979022
18	Chief Conservator of Forests (Tribal Mission)	ccf-tm.for@kerala.gov.in	0471-2529129		
19	Chief Conservator of Forests (WP & R)	ccf-wp.for@kerala.gov.in	0471-2322767	0471-2332556	9447979110

Sl No.	Designation	Email ID	Phone	Fax	Office Mobile
20	Chief Conservator of Forests (TRC, Trivandrum)	ccf-trc.for@kerala.gov.in	0471-2365989		9447003500
21	Chief Conservator of Forests (Wildlife), Palakkad	ccf-wl-nr.for@kerala.gov.in	0491-2556393	0491-2554249	9447979100
22	Chief Conservator of Forests (SF), Kollam	ccf-sf-klm.for@kerala.gov.in	0474-2750336	0474-2765227	9447979012
23	Addl. Principal Chief Conservator of Forests (SF, Ernakulam)	ccf.sfctrl.for@kerala.gov.in	0484-2331448	0484-2331448	9447979017
24	Chief Conservator of Forests (SF, Kozhikkode)	ccf-sf-n.for@kerala.gov.in	0495-2418500	0495-2418500	9447979018
25	Chief Conservator of Forests (Southern Circle)	ccf-sc.for@kerala.gov.in	0474-2742660	0474-2743962	9447979030
26	Chief Conservator of Forests (High Range Circle)	ccf-hrc.for@kerala.gov.in	0481-2312448	0481-2312591	9447979040
27	Chief Conservator of Forests (central Circle)	ccf-cc.for@kerala.gov.in	0487-2423189	0487-2423189	9447979050
28	Chief Conservator of Forests (Eastern Circle)	ccf-ec.for@kerala.gov.in	0491-2555389	0491-2552938	9447979060
29	Chief Conservator of Forests, Northern Circle	ccf-nc.for@kerala.gov.in	0497-2760394	0497-2704911	9447979070
30	Chief Conservator of Forests, Agasthyavanam Biological Park	ccf-abp.for@kerala.gov.in	0471-2325385	0471-2325385	9447979080
31	Field Director, Project Tiger	fdptkty@gmail.com	0481-2311740	0481-2311741	9447979090
32	Conservator of Forests (I & E, Northern Region)	cf-ie-nr.for@kerala.gov.in	0495-2416800		9447979120
33	Conservator of Forests (I & E, Southern Region)	cf-ie-sr.for@kerala.gov.in	0481-2312402	0481-2312402	9447979110
34	Divisional Forest officer, Punalur Division	dfo-pnlr.for@kerala.gov.in	0475-2222621		9447979034
35	Divisional Forest officer, Ranni Division	dfo-ranni.for@kerala.gov.in	0473-5227558		9447979035
36	Divisional Forest officer, Konni Forest Division	dfo-kni.for@kerala.gov.in	0468-2242233	0468-2242391	9447979033
37	Divisional Forest officer, Thenmala Division	dfo-then.for@kerala.gov.in	0475-2344521		9447979037
38	Divisional Forest officer, Thiruvananthapuram Division	dfo.tvm.for@kerala.gov.in	0471-2320637		9447979038
39	Divisional Forest officer, Achenkovil Division	dfo.akvl.for@kerala.gov.in	0475-2342315		9447979032
40	Divisional Forest officer, Punalur Timber Sales Division	dfo.ts.pnlr.for@kerala.gov.in	0475-2222617	0475-2222617	9847021389

Sl No.	Designation	Email ID	Phone	Fax	Office Mobile
41	Divisional Forest officer, Thiruvananthapuram Timber Sales Division	dfo-ts-tvm.for@kerala.gov.in	0471-2360166	0471-2360166	9847021370
42	Divisional Forest officer, Kottayam Division	dfo-ktym.for@kerala.gov.in	0481-2562276	0481-2562276	9447979043
43	Divisional Forest officer, Mankulam Division	dfo-mkml.for@kerala.gov.in	0486-4223915		9447979044
44	Divisional Forest officer, Marayoor Division	dfo-mryr.for@kerala.gov.in	0486-5252988		9447979047
45	Divisional Forest officer, Munnar Division	dfo-mnr.for@kerala.gov.in	0486-5264237	04865-264327	9447979045
46	Divisional Forest officer, Kothamangalam Division	dfo-kglm.for@kerala.gov.in	0485-2822317	0485-2822317	9447979042
47	Divisional Forest officer, Kottayam Timber Sales Division	dfo-ts-ktym.for@kerala.gov.in	0481-2312008		8547600411
48	Divisional Forest officer, Thrissur Division	dfo-tsr.for@kerala.gov.in	0487-2361268	0487-2361268	9447979054
49	Divisional Forest officer, Vazhachal Division	dfo-vzcl.for@kerala.gov.in	0480-2701713	0480-2701713	9447979055
50	Divisional Forest officer, Chalakudy Division	dfo.clkdy.for@kerala.gov.in	0480-2701340		9447979052
51	Divisional Forest officer, Malayattur Division	dfo-mytr.for@kerala.gov.in	0484-2649052	0484-2649052	9447979053
52	Divisional Forest officer, Timber Sales Division, Perumbavoor	dfo-ts-pbvr.for@kerala.gov.in	0484-2522219	0484-2522219	9847021435
53	Divisional Forest officer, Palakkad Division	dfo-plkd.for@kerala.gov.in	0491-2555156	0491-2555156	9447979067
54	Divisional Forest officer, Nemmara Division	dfo-nenmara.for@kerala.gov.in	0492-3243179	0492-3243179	9447979062
55	Divisional Forest officer, Nilambur (North) Division	dfo-nlbrn.for@kerala.gov.in	0493-1220232	04931-220232	9447979064
56	Divisional Forest officer, Nilambur (South) Division	dfo-nlb₹for@kerala.gov.in	0493-1220392	0493-1220392	9447979065
57	Divisional Forest officer, Mannarkad Division	dfo.mnkd.for@kerala.gov.in	0492-4222574		9447979066
58	Divisional Forest officer, Palakkad Timber Sales Division	dfo-ts-plkd.for@kerala.gov.in	0491-2555800		9447979175
59	Divisional Forest officer, Kannur Division	dfo-knr.for@kerala.gov.in	0497-2704808	0497-2704808	9447979072
60	Divisional Forest officer, Kozhikode Division	dfo.kozh.for@kerala.gov.in	0495-2374450	0495-2374450	9447979073

Sl No.	Designation	Email ID	Phone	Fax	Office Mobile
61	Divisional Forest officer, Wayanad (North) Division	dfw-wyndn.for@kerala.gov.in	0493-5240233	04935 246902	9447979074
62	Divisional Forest officer, Wayanad (South) Division	dfw-wyndn.for@kerala.gov.in	0493-6203428	04936 2074469	9447979075
63	Divisional Forest officer, Kozhikkode Timber Sales Division	dfw-ts-kzkd.for@kerala.gov.in	0495-2414702		9447979009
64	Principal, State Forest Training Institute, Arippa	pr.arippa.for@kerala.gov.in	0475-2312080		9447979171
65	Principal, State Forest Training Institute, Walayar	pr.wlyr.for@kerala.gov.in	0491-2862260	0491 2862260	9447979172
66	Deputy Director, Periyar Tiger Reserve (East)	dd-ptr-east.for@kerala.gov.in	0486-9222027	04869 223750	9447979091
67	Deputy Director, Periyar Tiger Reserve (West)	dd-ptr-west.for@kerala.gov.in	0486-9232010	04869 232010	9447979092
68	Wildlife Warden, Thiruvananthapuram	ww-tvm.for@kerala.gov.in	0471-2360762		9447979082
69	Wildlife Warden, Idukki	ww-idk.for@kerala.gov.in	0486-2232271	0486 2232271	9447979094
70	Wildlife Warden, Shendurney	ww-sdny.for@kerala.gov.in	0475-2344600		9447979081
71	Wildlife Warden, Eravikulam National Park	ww-mnr.for@kerala.gov.in	0486-5231587	04865 231587	9447979093
72	Wildlife Warden, Silent Valley National Park	ww-svnp.for@kerala.gov.in	0492-4222056	0492 4222056	9447979104
73	Deputy Director, Parambikulam Tiger Reserve	ww-pklm.for@kerala.gov.in	0425-3245005		9447979102
74	Wildlife Warden, Wayanad Wildlife Sanctuary	ww-wynd.for@kerala.gov.in	0493-6220454		9447979105
75	Wildlife Warden, Aralam Wildlife Sanctuary	ww-aralam.for@kerala.gov.in	0490-2493160		9447979101
76	Wildlife Warden, Peechi Wildlife Sanctuary	ww-peechi.for@kerala.gov.in	0487-2699017		9447979102
77	Deputy Conservator, Research (South) Division	dcf-res-s.for@kerala.gov.in	0471-2368909	0471 2365820	9447979161
78	Deputy Conservator, Research (North) Thrissur	dcf-res-n.for@kerala.gov.in	0487-2334450	0487 2426915	9447979162
79	Senior Administrative Officer	sao-admin.for@kerala.gov.in	0471-2321798		
80	Deputy Director (Statistics)	dd-stat.for@kerala.gov.in	0471-2529162	0471 2529162	
81	Director, FIB	dir-fib.for@kerala.gov.in	0471-2320155		9447979200
82	Forest Veterinary Officer, Konni	fvo.for@kerala.gov.in	0468-2242386	0468 2242386	
83	Assistant Director, Forest Mini Survey	asst-dir-fms.for@kerala.gov.in	0495-2418820		

Name and Address of State Public Information Officers & Appellate Authorities under Right to Information Act.

SI No.	State Public Information Officer	Appellate Authority
1	Deputy Conservator of Forests(Administration) O/o the Principal Chief Conservator of Forests &HoFF, Thiruvananthapuram	Principal Chief Conservator of Forests &HoFF
2	Asst. Conservator Forests(Administration), O/o the Addl. Principal Chief Conservator of Forests (D &P), Thiruvananthapuram	Addl. Principal Chief Conservator of forests(D&P), Thiruvananthapuram
3	Deputy Conservator of Forests (Social Forestry), O/o the Principal Chief Conservator of Forests(Social Forestry), Thiruvananthapuram	Principal Chief Conservator of Forests (Social Forestry), Thiruvananthapuram
4	Asst. Conservator Forests (IHRD), O/o the Addl Principal Chief Conservator of Forests(IHRD), PTP Nagar, Thiruvananthapuram	Addl. Principal Chief Conservator of Forests (IHRD), Thiruvananthapuram
5	Senior Superintendant O/o the Chief Conservator of Forests(SA&NO), Thiruvananthapuram	Chief Conservator of Forests (SA&NO), Thiruvananthapuram
6	Deputy Conservator of Forests(Wildlife), O/o Principal Chief Conservator of Forests (Wildlife), Thiruvananthapuram	Principal Chief Conservator of Forests (Wildlife), Thiruvananthapuram
7	Deputy Conservator of Forests (Co-ordination), O/o the Addl Principal Chief Conservator of Forests (Prot), Thiruvananthapuram	Addl. Principal Chief Conservator of Forests (Protection), Thiruvananthapuram
8	Asst. Conservator Forests(FMIS), O/o the Addl. Principal Chief Conservator of Forests (FMIS), Thiruvananthapuram (for administrative matters)	Addl. Principal Chief Conservator of Forests (FMIS), Thiruvananthapuram
8(a)	Asst. Conservator of Forests (Administration) (for disciplinary matters)	
9	Deputy Conservator of Forests (Development), O/o the Addl. Principal Chief Conservator of Forests (Development) , Thiruvananthapuram	Addl. Principal Chief Conservator of Forests (Development), Thiruvananthapuram
10	Asst. Conservator Forests(E &TW), O/o the Addl. Principal Chief Conservator of Forests (E &TW), Thiruvananthapuram	Addl. Principal Chief Conservator of Forests (Eco Development & Tribal Welfare), Thiruvananthapuram
11	Senior Administrative Officer, O/o the Addl. Principal Chief Conservator of Forests (Administration), Thiruvananthapuram	Addl. Principal Chief Conservator of Forests (Administration), Thiruvananthapuram
12	Asst. Conservator of Forests (Bio-diversity Cell), O/o Addl. Principal Chief Conservator of Forests (Bio-diversity Cell), Thiruvananthapuram	Addl. Principal Chief Conservator of Forests (Bio-diversity Cell), Thiruvananthapuram
13	Senior Superintendant O/o Addl. Chief Conservator of Forests (WP&R), Thiruvananthapuram	Addl. Principal Chief Conservator of Forests (WP&R), Thiruvananthapuram
14	Asst. Conservator Forests (Vig.), O/O the Addl. Principal Chief Conservator of Forests (Vig.), Thiruvananthapuram	Addl. Principal Chief Conservator of Forests (Vig.), Thiruvananthapuram

SI No.	State Public Information Officer	Appellate Authority
15	Asst. Conservator Forests (ABP), O/o Chief Conservator of Forests (ABP), Thiruvananthapuram	Chief Conservator of Forests (ABP), Thiruvananthapuram
16	Asst. Conservator Forests (TA), O/o the Addl. Principal Chief Conservator of Forests (SR), Kollam	Addl. Principal Chief Conservator of Forests (Southern Region), Kollam
17	Asst. Conservator Forests (TA) O/o the Addl. Principal Chief Conservator of Forests, Southern Circle, Kollam	Chief Conservator of Forests (Southern Circle), Kollam
18	Asst. Conservator Forests, O/o Chief Conservator of Forests (Social Forestry), Kollam	Chief Conservator of Forests (Social Forestry), Kollam
19	Asst. Conservator Forests (TA), O/o Chief Conservator of Forests, High Range Circle, Kottayam	Chief Conservator of Forests, High Range Circle, Kottayam
20	Asst. Conservator Forests, O/o the Field Director, Project Tiger, Kottayam	Field Director, Project Tiger, Kottayam
21	Asst. Conservator Forests, O/o the Chief Conservator of Forests(Inspection & Evaluation), Kottayam	Chief Conservator of Forests(Inspection & Evaluation), Kottayam
22	Asst. Conservator Forests (SF), O/o the Principal Chief Conservator of Forests (SF), Ernakulam	Addl. Principal Chief Conservator of Forests (Social Forestry), Ernakulam
23	Asst. Conservator Forests, O/o the Rehabilitation Commissioner, Thiruvananthapuram	Rehabilitation Commissioner, Thiruvananthapuram
24	Asst. Conservator Forests (TA), O/o the Conservator of Forests, Central Circle, Thrissur	Conservator of Forests (Central Circle), Thrissur
25	Asst. Conservator Forests (TA), O/o the Addl Principal Chief Conservator of Forests (NR), Kozhikode	Addl. Principal Chief Conservator of Forests (Northern Region), Kozhikode
26	Asst. Conservator of Forests, Inspection & Evaluation, Kozhikode	Chief Conservator of Forests (Inspection & Evaluation), Kozhikode
27	Asst. Conservator Forests (SF), O/o the Chief Conservator of Forests (SF), Kozhikode	Chief Conservator of Forests (Social Forestry), Kozhikode
28	Asst. Conservator Forests (TA), O/o the Chief Conservator of Forests, Eastern Circle, Palakkad	Chief Conservator of Forests (Eastern Circle), Palakkad
29	Asst. Conservator Forests, O/o the Chief Conservator of Forest, Wildlife, Palakkad	Chief Conservator of Forests (Wildlife), Palakkad
30	Asst. Conservator Forests, O/o the Chief Conservator of Forests, Northern Circle, Kannur	Chief Conservator of Forests, Northern Circle, Kannur



Kerala Forest & Wildlife Department
....enriching ecosystems, amazing citizens....