



**Kerala Forest & Wildlife Department**

**ADMINISTRATION REPORT  
2016-17**





GOVERNMENT OF KERALA

Abstract

Forest & Wildlife Department-Establishment-Annual Administration Report  
2016-17-Reviewed and approved-Orders issued.

DEPARTMENT

G.O.(Rt)No.403/2018/F&WLD Dated,Thiruvananthapuram, 06/09/2018

Read 1 Letter No.S2-145/2017 dated:16.08.2018 from the Additional  
Principal Chief Conservator of Forests (Adm),Thiruvananthapuram.

ORDER

Government have reviewed the Annual Administration Report of the Forest  
& Wildlife Department for the year 2016-17 and are pleased to approve the same  
since it is found satisfactory.

(By order of the Governor)

VENU V

PRINCIPAL SECRETARY

To:

✓ The Additional Principal Chief Conservator of Forests (Adm),  
Thiruvananthapuram.

The Principal Accountant General (Audit/A& E),Kerala,  
Thiruvananthapuram.

The Director, Institute of Management in Government.  
Thiruvananthapuram.

The Indian Institute of Public Administration, Indraprastha,  
East Ring Road, New Delhi.

General Administration (AR) Department.

The Web & New Media (for uploading the Government site).

S/F, O/C.

Copy to:

The PS To Minister (F&WL).

The PA to Principal Secretary.

Signature valid

Digitally signed by SAJEEVAN M  
K

Date: 2018.09.07 15:13:39 IST

Reason: Approved



**GOVERNMENT OF KERALA**

**ADMINISTRATION REPORT**

**2016-17**

**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 [Participatory Forest Management (PFM)] 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 reorganised on the 1<sup>st</sup> 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 1<sup>st</sup> 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 reorganised into three territorial circles, viz; Kollam, Chalakkudy and Kozhikode, with fourteen forest divisions, viz; Thiruvananthapuram, Thenmala, Punalur, Konni, Ranni under Kollam circle, Kottayam, Malayattur, Chalakkudy, Thrissur under Chalakkudy circle and Nenmara, Palakkad, Kozhikode, Wayanad under Kozhikode 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 (now State Forest Training Institute (SFTI)), 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 (IPC) 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 Kozhikode was established with four special divisions, viz; Palakkad, Nilambur, Kozhikode 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, Kozhikode (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 Kozhikode 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 Kozhikode 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 Kozhikode 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 the 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 reorganisation of the Industrial Plantations Circle (IPC) and the Chalakkudy (Thrissur) 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 Kozhikode 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, Kozhikode, Wayanad, Kannur and Kasaragod are under Kozhikode Circle.

1.1.11 In 1989, the reserved forests and vested forests falling in Palakkad and Nenmara territorial divisions and Palakkad Vested Forest Division were amalgamated and reorganised into Palakkad, Nenmara 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 organisational 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 Kozhikode and Thalassery special divisions and the reserved forests of Kozhikode and Wayanad territorial divisions were also amalgamated and reorganised into Kozhikode, 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 reorganisation of Kasargod, Kannur, Wayanad, Kozhikode, Malappuram and Palakkad revenue districts in 1990, the Forest Divisions within these districts falling under the jurisdiction of the Northern Circle, Kozhikode and Vested Forests Circle, Kozhikode, were also reorganised into Northern Circle with headquarters at Kozhikode having jurisdiction over Kozhikode, 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 neighbouring 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 e-auction. With the creation of a separate forest division namely, Sandal 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 Kozhikode, Wayanad (North), Wayanad (South), Kannur Divisions and Kozhikode (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 programme in tune with the first National Wildlife Action Plan of 1983. As on 31.03.2017 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 <sup>2</sup> )	Year of formation
<b>National Parks</b>			
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
<b>Wildlife Sanctuaries</b>			
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 Sanctury	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
<b>Total</b>		<b>3211.737</b>	

\* Includes 148 KM<sup>2</sup> of buffer zone added to Bhavani range during 2007

\*\* Includes 148 KM<sup>2</sup> of Critical Tiger Core areas from Goodrical range

\*\*\* Includes Core or Critical Tiger Habitat (390.89 KM<sup>2</sup>) and Buffer zone (252.77 KM<sup>2</sup>).

\*\*\*\* 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 organised. Later during 2007, Choolannur Pea Fowl Sanctuary was added to this Circle. 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-ordination 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, Kozhikode 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 Kozhikode 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, Kozhikode and Kannur under Vigilance and Evaluation Circle, Kozhikode. The Vigilance Wing is headed by Principal Chief Conservator of Forests (PCCF) since 04.02.2016.

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 Kozhikode, 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 preparation. The Kerala Forest School, 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, 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 & 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 Forest Schools, reconstituted as State Forest Training Institutes (SFTI) with effect from 07.09.2016, are 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. A full fledged Forest Veterinary Unit was formed as per GO (Ms) No.12/2017/Forest, dtd.20.03.2017, through creation of posts of a Chief Forest Veterinary Officer and 12 number of Assistant Forest Veterinary Officers.

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, 1 Head Draftsman, 18 Surveyors and 8 Draftsmen on deputation from the 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 entity 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
- 1957 Establishment of 3 Circles (Kollam, Chalakkudy, Kozhikode) and 14 Divisions
- 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 Wild Life (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 Kerala 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 Wildlife 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.
- 2010 Establishment of National Green Tribunal
- 2011 Formation of Forest Rapid Response Team
- 2012 Kerala Forest (Regulation of Sawmills and Other Wood-based Industrial Units) Rules
- 2012 Formation of Kasargod Division
- 2014 Implementation of e-auction

**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 Major Acts & Rules implemented by the department**

- Indian Forest Act, 1928
- Kerala Forest Act, 1961
- Cattle Trespass Act, 1961
- Cattle Trespass Rules, 1962
- Kerala Private Forests (Vesting & Assignment) Act, 1971
- The Wild Life (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 Wild Life (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 Essential Articles Control Act, 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 Wild Life (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
- The Kerala Forest (Regulation of Saw mills & Other wood based Industrial Units) Rules, 2012
- The Kerala Forest (Restriction on Cutting and Selling of Sandal Trees and Grant of Licence for Possession and Transport of Sandal Wood and Sandal Wood Oil) Rules, 2012
- Kerala Captive Elephants (Management & Maintenance) Rules, 2012

## 1.6 Constitution of State Forests

1.6.1 The forest area under the administrative charge of Forest Department is 11524.411 km<sup>2</sup> at the close of the year 2016-17 and forms 29.65 % of the total geographical area of the State (38863 km<sup>2</sup>) against the National average of 23.24%. The per capita forest land of the state as per 2011 census is 0.035 Ha. The total plantation area is 1551.533 km<sup>2</sup> which accounts 13.46 % of the total forest area.

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

Reserve Forest	: 9339.186 km <sup>2</sup>
Proposed Reserve	: 284.218 km <sup>2</sup>
Vested Forest	: 1763.757 km <sup>2</sup>
Ecologically Fragile Land	137.222 km <sup>2</sup>
<b>Total Forest Area</b>	<b>: 11524.411 km<sup>2</sup></b>

This shows that of the total forest area, 81.04 % comes under reserve forest, 2.47 % under proposed reserve, 15.30 % under vested forest and 1.19 under Ecologically Fragile Land (EFL).

1.6.3 The circle and division wise distribution of forest area (km<sup>2</sup>) according to legal status at the close of the year 2017-18 is given below.

Sl No.	Division	Reserve Forests	Proposed Reserve	Vested Forests	EFL	Total	%
<b>I. Southern Circle, Kollam</b>							
1	Thiruvananthapuram	359.120	5.825	0.609	9.296	374.850	3.25
2	Thenmala	140.752	-	7.736	0.455	148.943	1.29
3	Achencoil	284.308	-	0.208	1.331	285.847	2.48
4	Ranni	909.496	0.058	1.558	-	911.112	7.91
5	Punalur	275.220	-	0.169	0.157	275.546	2.39

Sl No.	Division	Reserve Forests	Proposed Reserve	Vested Forests	EFL	Total	%
6	Konni	320.553	11.021	3.012	-	334.586	2.90
<b>Total</b>		<b>2289.449</b>	<b>16.904</b>	<b>13.292</b>	<b>11.238</b>	<b>2330.884</b>	<b>21.71</b>
<b>II. High Range Circle, Kottayam</b>							
7	Kothamangalam	316.845	0.024	0.158	-	317.027	2.75
8	Munnar	*693.535	69.095	2.450	5.148	770.228	6.68
9	Marayoor	14.370	47.260	0.076	2.486	64.192	0.56
10	Mankulam	-	90.060	-	-	90.060	0.78
11	Kottayam	** 627.295	1.061	31.967	2.570	662.893	5.75
<b>Total</b>		<b>1652.045</b>	<b>207.500</b>	<b>34.651</b>	<b>10.204</b>	<b>1904.400</b>	<b>16.52</b>
<b>III. Central Circle, Thrissur</b>							
12	Vazhachal	353.414	-	-	-	353.414	3.07
13	Chalakyudy	279.710	-	-	0.040	279.749	2.43
14	Malayattoor	615.903	0.525	-	-	616.428	5.35
15	Thrissur	207.007	-	4.314	0.727	212.048	1.84
<b>Total</b>		<b>1456.034</b>	<b>0.525</b>	<b>4.314</b>	<b>0.767</b>	<b>1461.639</b>	<b>12.68</b>
<b>IV. Eastern Circle, Palakkad</b>							
16	Mannarkkad	150.732	-	271.697	7.200	429.630	3.73
17	Nilambur North	58.393	0.253	371.820	9.480	439.946	3.82
18	Nilambur South	267.599	-	57.376	2.990	327.965	2.85
19	Palakkad	73.410	-	162.085	27.911	263.405	2.29
20	Nenmara	205.517	0.038	141.897	9.745	357.197	3.10
<b>Total</b>		<b>755.651</b>	<b>0.290</b>	<b>1004.875</b>	<b>57.326</b>	<b>1818.143</b>	<b>15.78</b>
<b>V. Northern Circle, Kannur</b>							
21	Kozhikode	24.400	38.157	231.429	15.072	309.058	2.68
22	Wayanad North	134.058	15.107	65.853	9.082	224.100	1.94
23	Wayanad South	67.678	3.774	203.123	20.364	294.939	2.56
24	Kannur	93.361	-	60.380	-	158.562	1.38
25	Kasargod	86.022	1.921	30.061	4.905	122.909	1.07
<b>Total</b>		<b>405.519</b>	<b>58.959</b>	<b>590.846</b>	<b>54.244</b>	<b>1109.568</b>	<b>9.63</b>
<b>I. Wildlife Circle, ABP</b>							
25	Thiruvananthapuram (WL)	211.980	-	-	-	211.980	1.84
26	Shenthuruni	171.000	-	-	-	171.000	1.48
<b>Total</b>		<b>382.980</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>382.980</b>	<b>3.32</b>
<b>II. FDPT, Kottayam</b>							
27	Periyar East	707.000	-	-	-	707.000	6.13
28	Periyar West	216.000	-	-	-	216.000	1.87
29	Munnar	241.007	-	-	-	241.007	2.09
30	Idukki	130.524	-	-	-	130.524	1.13
<b>Total</b>		<b>1294.531</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1294.531</b>	<b>11.23</b>
<b>III. Wildlife Circle, Palakkad</b>							
31	Parambikulam	334.671	-	-	-	334.671	2.90
32	Wayanadu (WL)	344.442	-	-	0.052	344.495	2.99
33	Silent Valley	154.380	-	79.720	3.392	237.491	2.06
34	Peechi	210.067	-	3.420	-	213.487	1.85
35	Aralam	52.740	-	32.640	-	85.380	0.74
<b>Total</b>		<b>1096.300</b>	<b>-</b>	<b>115.780</b>	<b>3.444</b>	<b>1215.524</b>	<b>10.55</b>
<b>Others</b>							
37	TS Kozhicode	0.202				0.202	0.00
38	TS Perumbavoor	0.315				0.315	0.00
39	NSC Kalady	6.161	0.040			6.201	0.05
40	Mangalavanam BS***					0.027	0.00
<b>Grand Total</b>		<b>9339.186</b>	<b>284.218</b>	<b>1763.757</b>	<b>137.222</b>	<b>11524.411</b>	<b>100.00</b>

\* Includes an extent of 372.98 Sq. km Cardamom Hill Reserves (CHR).

\*\* Includes an extent of 479.258 Sq. km Cardamom Hill Reserves (CHR).

\*\*\* Protected Area (PA) status only.



1.6.4 The distribution of forest area according to utilisation as on 31.03.2017 is given below

Sl No.	Mode of utilisation	Area ((KM <sup>2</sup> )	% to total
1	Dense Forests / Degraded Forest	9032.341	78.38
2	Plantation	1551.533	13.46
3	Area under lease	557.111	4.83
4	Forest land diverted under F(C)A,1980	383.426	3.33
	<b>Total</b>	<b>11524.411</b>	

1.6.5 The species wise distribution of plantation area as on 31.03.2017 is given below

Sl No.	Species	Area (Ha.)	Sl No.	Species	Area (Ha.)
1	Teak	75847.291	17	Albezzia	140.93
2	Teakwood & Soft wood	15437.213	18	Anjili	615.752
3	Acacia mangium	3367.267	19	Kambakam	270.24
4	Acacia auriculiformis	7476.877	20	Elavu	635.55
5	Eucalyptus	7252.422	21	Balsa	21.040
6	Cane	2648.052	22	Wattle	2188.61
7	Bamboo	5116.002	23	Matti	481.81
8	Rosewood	54.41	24	Cashew	4594.604
9	Mahogany	542.792	25	Agave	41.640
10	Sandalwood	74.64	26	Alnus	74.350
11	Other Hardwood	789.18	27	Sesbania	21.070
12	Reeds	318.15	28	Casuarina	138.87
13	Pepper	103.94	29	Silver Oak	99.500
14	Medicinal Plants	2188.888	30	Mangroves	373.189
15	Grevillea robusta	464.230	31	Fruit bearing	305.543
16	Pine	608.976	32	Miscellaneous	22860.280
<b>Total</b>					<b>155153.308</b>
<b>(This area includes plantations in protected areas also)</b>					

1.6.6 Outturn of timber during 2016-17 is shown below

Sl No.	Species	Unit	Outturn
1	Teak	M <sup>3</sup>	28967.00
2	Rosewood	,,	123.00
3	Mahogani	,,	771.02
4	Anjili	,,	346.95
5	Kambakom	,,	44.52
6	Thembavu	,,	72.59
7	Venga	,,	70.14

<b>Sl No.</b>	<b>Species</b>	<b>Unit</b>	<b>Outturn</b>
8	Venteak	,,	296.41
9	Jack/ Plavu	,,	17.56
10	Maruthu	,,	931.57
11	Manimaruth	,,	15.54
12	Irul	,,	364.31
13	Mulluvenga	,,	165.81
14	Unnam/Chadachi	,,	711.36
15	Thanni	,,	150.94
16	Karimthakara	,,	6.34
17	Pathiri	,,	1.74
18	Poovam	,,	65.07
19	Myla	,,	3.11
20	Kunnivaka	,,	946.06
21	Kanjiram	,,	9.63
22	Kanikonna	,,	14.04
23	Mavu	,,	0.17
24	Redcidar/ Chandanavembu	,,	21.62
25	Poon/Punna/Pnnavu	,,	56.81
26	Cheeni	,,	44.57
27	Kulamavu	,,	101.32
28	Kumbil	,,	2.23
29	Vellapine	,,	36.91
30	Elavu	,,	614.80
31	Pala / Mukkampala	,,	103.70
32	Vaka	,,	152.24
33	Akil	,,	4.62
34	Manjakadambu	,,	13.80
35	Malaveppu	,,	22.77
36	Vatta	,,	82.40
37	Kannanvaka	,,	23.66
38	Cheru	,,	5.35
39	Njaval	,,	41.21
40	Gulmohar	,,	11.64
41	Aval	,,	16.14
42	Arayanjili	,,	5.30
43	Chuvannakil	,,	1.80
44	Matti	,,	4.70
45	Nasakom	,,	3.34
46	Vazhapunna	,,	13.43
47	Kanakitha	,,	7.64
48	Murikku	,,	22.85
49	Kilinji	,,	1.18
50	Ambazham	,,	12.18
51	Ponpathiri	,,	45.43
52	Karilavu	,,	3.21
53	Timber (Miscellaneous)	,,	3892.68
54	Eucalyptus	MT	8901.68

<b>Sl No.</b>	<b>Species</b>	<b>Unit</b>	<b>Outturn</b>
55	Bamboo	MT	4125.31
56	Reeds	MT	5697.34
57	Fire wood/ Billets	MT	5756.89
58	Acacia	MT	52788.20
59	Teak poles	MT	11121.00
60	Sawn wood	MT	0.53
61	Miscellaneous poles	MT	4304.14
62	Sandal wood	kg	58820.24

## Chapter 2

### ORGANISATIONAL SET UP

#### 2.1 The organisational structure of the department

2.1.1 During the year 2016-17, 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 2016-17

Offices	Officers
Office of the Principal Chief Conservator of Forests & Head of the Forest Force.	Principal Chief Conservator of Forests (Wildlife) & Chief Wildlife Warden
	Principal Chief Conservator of Forests (Social Forestry)
	Principal Chief Conservator of Forests (Forest Management)
	Principal Chief Conservator of Forests (Vigilance)
	Principal Chief Conservator of Forests (WP&R) & Custodian, EFL
	Addl. Principal Chief Conservator of Forests (SR, Kollam)
	Addl. Principal Chief Conservator of Forests (NR, Kozhikode)
	Addl. Principal Chief Conservator of Forests (Administration )
	Addl. Principal Chief Conservator of Forests (FMIS)
	Joint Secretary, Law Wing
Office of the Principal Chief Conservator of Forests (Social Forestry)	APCCF (IHRD), CF (SF) Kozhikode, CF (SF) Ernakulam, CF (SF) Kollam , Forestry Information Bureau (FIB),ACF((T&E) & ACF(Extension)
Office of the Principal Chief Conservator of Forests (Wildlife) & Chief Wildlife Warden	APCCF (BDC), CF (ABP) Thiruvananthapuram, Field Director (Project Tiger) Kottayam , CCF (WL) Palakkad , DCF (WL) & ACF (WL)
Office of the Principal Chief Conservator of Forests (Forest	APCCF (FB&A), APCCF (E&TW), DCF(D), ACF(Planning) & Senior Finance Officer

<b>Offices</b>	<b>Officers</b>
Management)	
Office of Principal Chief Conservator of Forests (Vigilance)	APCCF (Vig & FI), CF (I & E) Kozhikode, CF (I & E) Kottayam & ACF (Vig) – 4 Nos
Office of Principal Chief Conservator of Forests (WP&R) & Custodian, EFL	APCCF (FL&R), APCCF (SA), CCF (WP&R), DCF (Protection ), DCF (Forest Resources), DD(Statistics), ACF( EFL)& ACF(SA)
Office of the Addl. Principal Chief Conservator of Forests (FB & A)	DCF (Development), ACF (Planning) & Senior Finance Officer
Office of the Addl. Principal Chief Conservator of Forests (Eco-Development & Tribal Welfare)	DCF(E &TW) & ACF(PFM)
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 (Forest, Land & Resources)	DCF (Protection ), DCF (Forest Resources), DD(Statistics) & ACF(EFL)
Office of the Addl. Principal Chief Conservator of Forests (Special Afforestation &NO)	CF (SA)& ACF (SA)
Office of the Addl. Principal Chief Conservator of Forests (Admn.)	DCF (Admn), ACF(Admn), Sr. AO & Estate Officer
Office of the Addl. Principal Chief Conservator of Forests (FMIS)	CCF (IT), ACF (FMIS) & ACF (ACM)
Office of the Addl. Principal Chief Conservator of Forests (BDC)	ACF (BDC)
Office of the Addl.	CCF (SC), Kollam & CCF (HRC), Kottayam



<b>Offices</b>	<b>Officers</b>
Principal Chief Conservator of Forests (Regional South), Kollam	
Office of the Addl. Principal Chief Conservator of Forests (Regional North), Kozhikode	CCF (CC), Thrissur, CCF (NC), Kannur, CCF (EC), Palakkad, & 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 Centre, Thiruvananthapuram
Office of the Chief Conservator of Forests (WP & R)	Deputy Director (Statistics); Forest Head quarters, DCF (Research South) & DCF (Research South-I); Thiruvananthapuram, DCF (Research North) & DCF (Research North-I); Thrissur, DCF (WP South); Kollam, DCF (WP Central); Thrissur &, DCF(WP North); Kozhikode, WPO-Punalur, WPO-Achencoil, WPO-Munnar, WPO-Palakkad & ACF, FRS Cell, Thrissur.
Office of the Conservator of Forests (SF), Kollam.	ACF (SF), Thiruvananthapuram, Kollam, Alapuzha, Pathanamthitta & Kottayam.
Office of the Chief Conservator of Forests (SF), Ernakulam	ACF (SF), Palakkad, Thrissur, Ernakulam, Idukki & NSC Kalady.
Office of the Conservator of Forests (SF), Kozhikode	ACF (SF), Kasaragod, Kannur, Wayanad, Malappuram & Kozhikode.

**Name of Officers in charge of the various wings during 2016-17**

Sl No.	Office	Name	Designation	Period		Remarks
				From	To	
<b>Headquarters wings</b>						
1	Principal Chief Conservator of Forests & HoFF	Dr. B S Corrie, IFS	Principal Chief Conservator of Forests & HoFF	01.12.2014	27.10.2016	
		Dr. S. C. Joshi, IFS		28.10.2016	07.02.2017	Additional charge
				08.02.2017	Continuing	
2	Wildlife	Sri. G.Harikumar, IFS	Principal Chief Conservator of Forests (Wildlife) & Chief Wildlife Warden	22.04.2014	Continuing	
3	Social Forestry	Sri.C.S.Yalakki, IFS	Principal Chief Conservator of Forests (Social Forestry)	01.04.2016	31.10.2016	
		Sri. T P Narayanankutty, IFS		01.11.2016	31.12.2016	
		Sri.P.K. Pathak, IFS		01.01.2017	Continuing	
4	Forest Management	Sri. K G Mohanlal, IFS	Principal Chief Conservator of Forests (Forest Management )	01.02.2016	30.11.2016	
		Sri.P.K. Pathak, IFS		01.12.2016	27.12.2016	Additional charge
		Sri. K J Varughese, IFS		28.12.2016	Continuing	

Sl No.	Office	Name	Designation	Period		Remarks
				From	To	
5	Vigilance	Dr. S. C. Joshi, IFS	Principal Chief Conservator of Forests (Vigilance)	04.02.2016	07.02.2017	
		Dr. S. C. Joshi, IFS		08.02.2017	Continuing	Additional charge
		Sri.P K Kesavan, IFS	Additional Principal Chief Conservator of Forests (Vigilance&Forest Intelligence)	01.02.2016	07.02.2017	
		Sri.P K Kesavan, IFS		08.02.2017	Continuing	Additional charge
6	Working Plan & Research	Sri. T P Narayanankutty, IFS	Principal Chief Conservator of Forests (WP&R) & Custodian EFL	01.03.2016	30.05.2016	
		Sri. Amarnatha Shetty, IFS		06.06.2016	30.06.2016	
		Sri. T P Narayanankutty, IFS		01.07.2016	30.11.2016	
		Sri. K J Varughese, IFS		01.12.2016	07.02.2017	
		Sri.P K Kesavan, IFS		08.02.2017	31.03.2017	
		Sri.S.Gopalakrishnan, IFS	Chief Conservator of Forests (WP&R)	01.01.2016	01.12.2016	
		Dr.P.Pugazhendi, IFS		02.12.2016	Continuing	

Sl No.	Office	Name	Designation	Period		Remarks
				From	To	
7	Protection	Sri.P K Kesavan, IFS	Principal Chief Conservator of Forests(Forest, Land & Resources)	09.06.2017	31.03.2017	
			Additional Principal Chief Conservator of Forests(Forest, Land & Resources)	01.04.2016	09.06.2017	Additional charge
8	Development	Sri.P.K. Pathak, IFS	Additional Principal Chief Conservator of Foests(Finance, Budget & Audit)	03.09.2015	30.12.2016	
		Sri. K.J.Varughese, IFS		31.12.2016	Continuing	
9	Administration	Sri. K.J.Varughese, IFS	Additional Principal Chief Conservator of Forests (Administration)	01.02.2016	27.12.2016	
		Sri. K.J.Varughese, IFS		28.12.2016	Continuing	Additional charge
10	Bio Diversity Cell	Dr.Amith Mallick, IFS	Additional Principal Chief Conservator of Forests (Bio diversity Cell)	01.05.2016	08.02.2017	Additional charge
		Sri.V.V.Shajimon,IFS		08.02.2017	Continuing	
11	FMIS	Sri.P.K. Pathak, IFS	Additional Principal Chief Conservator of Forests (FMIS)	04.10.2015	26.12.2016	
		Sri.V.V.Shajimon,IFS		27.12.2016	Continuing	
12	Eco-Development & Tribal Welfare	Sri. K.J.Varughese, IFS	Additional Principal Chief Conservator of Forests (Eco Development & Tribal Welfare)	01.02.2016	06.07.2016	Additional charge
		Smt.Prakriti Srivastava, IFS		07.07.2016	Continuing	

Sl No.	Office	Name	Designation	Period		Remarks
				From	To	
13	IHRD	Sri.S.Gopalakrishnan, IFS	Additional Principal Chief Conservator of Forests (IHRD)	01.01.2016	Continuing	
14	Spl. Afforestation & Nodal Officer	Sri. D.K.Verma, IFS	Additional Principal Chief Conservator of Forests (Spl.Afforestation) & Nodal Officer	01.07.2014	02.07.2016	
		Sri.P.K. Pathak, IFS		03.07.2016	31.03.2017	Additional charge
15	Planning	Sri.S.Gopalakrishnan, IFS	Additional Principal Chief Conservator of Forests (Planning)	01.04.2016	21.02.2017	Additional charge
		Smt.Prakriti Srivastava, IFS		22.02.2017	Continuing	Additional charge
16	IT	Dr.P.Pugazhendi,IFS	Chief Conservator of Forests (IT)	23.06.2016	Continuing	
<b>Regions</b>						
1	Regional South, Kollam	Sri. K A Mohammed Noushad, IFS	Additional Principal Chief Conservator of Forests (Regional South, Kollam)	01.02.2016	Continuing	
2	Regional North, Kozhikode	Sri.E.Pradeep Kumar, IFS	Additional Principal Chief Conservator of Forests (Regional North), Kozhikode	19.02.2016	Continuing	



Sl No.	Office	Name	Designation	Period		Remarks
				From	To	
<b>Territorial Circles</b>						
1	Southern Circle, Kollam	Sri.S.Gopalakrishnan,IFS	Chief Conservator of Forests,SC,Kollam	07.10.2015	19.06.2016	Additional charge
		Sri. K A Mohammed Noushad, IFS		20.06.2016	07.12.2016	Additional charge
		Sri.Deepak Misra,IFS		08.12.2016	17.02.2017	Additional charge
		Sri.Deepak Misra,IFS		18.02.2017	Continuing	
2	High Range Circle, Kottayam	Dr.Amith Mallick, IFS	Chief Conservator of Forests,HRC, Kottayam	27.01.2016	17.08.2016	Additional charge
		Sri.S.Gopalakrishnan,IFS		18.08.2016	25.10.2016	Additional charge
		Dr.Amith Mallick, IFS		26.10.2016	13.12.2016	Additional charge
		Sri.Deepak Misra,IFS		14.12.2016	Continuing	Additional charge
3	Central Circle, Thrissur	Sri.Rajesh Ravindran, IFS	Chief Conservator of Forests,CC, Thrissur	01.02.2016	Continuing	
4	Eastern Circle, Palakkad	Sri.L.Chandrasekhar,IFS	Chie Conservator of Forests, EC, Palakkad	01.01.2016	Continuing	
5	Northern Circle, Kannur	Sri.E.Pradeep Kumar, IFS	Chief Conservator of Forests, NC, Kannur	02.01.2016	25.12.2016	Additional charge
		Sri.Shrawan K Verma, IFS		26.12.2016	31.12.2016	Additional charge
		Sri.Shrawan K Verma, IFS		01.01.2017	Continuing	

Sl No.	Office	Name	Designation	Period		Remarks
				From	To	
<b>Wildlife Circles</b>						
1	ABP, T'puram	Sri. Rajan Sehgal, IFS	Chief Conservator of Forests, ABP, Thiruvananthapuram	19.06.2015	03.12.2016	
		Sri.Pramod.P,IFS		04.12.2016	Continuing	
2	FDPT, Kottayam	Dr.Amit Mallick, IFS	Field Director	31.01.2014	Continuing	
3	Wildlife, Palakkad	Sri.Pramod G Krishnan, IFS	Chief Conservator of Forests	26.10.2015	Continuing	
<b>Social Forestry Circles</b>						
1	SF Kollam	Sri. K A Mohammed Noushad, IFS	Chief Conservator of Forests (SF,Kollam)	28.10.2015	19.12.2016	Additional charge
		Sri.Joseph Thomas,IFS		20.12.2016	Continuing	
2	SF, Ernakulam	Sri.K.Vijayanathan, IFS	Chief Conservator of Forests (SF, Ernakulam)	01.01.2016	Continuing	Additional charge
3	SF Kozhikkode	Sri.E.Pradeep Kumar, IFS	Chief Conservator of Forests (SF, Kozhikkode)	01.01.2016	20.12.2016	Additional charge
		Sri.K.Vijayanathan, IFS		21.12.2016	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.

<b>Category</b>	<b>Circles</b>	<b>Divisions</b>	<b>Ranges</b>
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	
<b>Total</b>	<b>15</b>	<b>79</b>	<b>136</b>

\* 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.

<b>Territorial Circles</b>	<b>Territorial Divisions</b>	<b>Functional</b>
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	

<b>Territorial Circles</b>	<b>Territorial Divisions</b>	<b>Functional</b>
	4 Mannarkkad	
	5 Nemmara	
5 Northern Circle, Kannur	1 Kozhikode	Timber Sales Division, Kozhikode
	2 Wayanad South	
	3 Wayanad North	
	4 Kannur	
	5 Kasaragod	
<b>Wildlife Circles</b>	<b>Wild life Divisions</b>	
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	
<b>Working Plan &amp; Research Circle</b>	<b>Research Divisions</b>	<b>Working Plan Divisions</b>
Thiruvananthapuram	1 Research (South), Thiruvananthapuram	1 Kollam
	2 Research(North), Thrissur	2 Punalur
		3 Achencoil
		4 Munnar
		5 Palakkad
		6 Kozhikode
		7 Forest Resources Survey Cell, Thrissur
<b>Social Forestry Circles</b>		<b>Social Forestry Divisions</b>
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.

<b>Territorial Circles</b>	<b>Territorial Divisions</b>	<b>Functional</b>
		3 Thrissur
		4 Palakkad
		5 SF Extension, Ernakulam
		1 Malappuram
		2 Kozhikode
		3 Wayanad
3 Kozhikkode		4 Kannur
		5 Kasaragod
		6 SF Extension, Kozhikkode
<b>Vigilance Circles</b>		<b>Divisions</b>
		1 Flying Squad division, Thiruvananthapuram
		2 Flying Squad division, Punalur
Investigation & Evaluation, Kottayam		3 Flying Squad division, Kothamangalam
		4 Flying Squad division, Idukki
		1 Flying Squad division, Eranakulam
		2 Flying Squad division, Palakkad
Investigation & Evaluation, Kozhikode		3 Flying Squad division, Kozhikode
		4 Flying Squad division, Kannur
<b>Training</b>		<b>Institutions</b>
		1 State Forest Training Institute, Walayar
Infrastructure and Human Resource Development		2 State Forest Training Institute, Arippa
		3 Forest Training Centre,PTP Nagar, Thiruvananthapuram

2.1.4 Division wise number of range offices & check posts is given in Annexure 1

2.1.5 E-mail addresses and phone/fax numbers of offices are at Annexure 2

2.1.6 Organisation Chart of the department is given in Annexure 4



## 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 Wild Llife (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 Section Forest Officers and Beat 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 31.03.2017 is given below.

<b>Sl No.</b>	<b>Category</b>	<b>Sanctioned Strength</b>	<b>In Position</b>
1	Principal Chief Conservator of Forests*	3	6
2	Addl. Principal Chief Conservator of Forests*	4	7
3	Chief Conservator of Forests	11	5
4	Conservator of Forests	13	2
5	Dy. Conservator of Forest(IFS Cadre)	35	28
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	93
13	Sr. Administrative Assistant	9	9
14	Administrative Assistant	12	12
15	Personal Assistant	3	3
16	Senior Superintendent	34	34
17	Range Forest Officer	205	179
18	Dy. Range Forest Officer	158	158
19	Public Relation Officer	1	1
20	Asst. Forest Publicity Officer	3	2
21	Junior Superintendent	71	71
22	Head Accountant	74	72
23	Research Assistant**	3	4
24	Wildlife Assistant	10	10
25	Senior Clerk	443	443
26	Clerk	444	429
27	Statistical Assistant Gr. I & II	34	28
28	Faircopy Superintendent	8	8
29	Sel.Gr Typist	33	33
30	Sr. Grade Typist	33	33
31	Typist Clerk	1	0
32	UD Typist	33	33
33	LD Typist	34	32
34	Confidential Assistant	39	37
35	Legal Assistant	1	1
36	Section Officer	1	1
37	Forest Veterinary Officer	1	1
38	Veterinary Doctor	1	1
39	Asst. Forest Veterinary Officer	2	2
40	Documentation Officer	1	0

<b>Sl No.</b>	<b>Category</b>	<b>Sanctioned Strength</b>	<b>In Position</b>
41	Asst. Director (Survey)	1	1
42	Survey Superintendent	2	2
43	Surveyor Gr.I	17	6
44	Surveyor Gr.II	49	14
45	Head Surveyor	2	2
46	Section Forest Officer	952	917
47	Beat Forest Officer	2618	2279
48	Sheristadar cum Secretary	1	1
49	Head Draftsman	2	2
50	Draftsman	45	16
51	CI of Police	2	1
52	SI of Police	4	2
53	Senior Civil Police Officer	22	3
54	Civil Police Officer	110	38
55	Librarian	1	1
56	Project Operator	1	0
57	Pharmacist	2	0
58	Hospital Attender	1	0
59	Nursing Assistant	1	0
60	Binder	2	1
61	PT Instructor	6	3
62	Record cum Store Keeper	3	0
63	Museum Assistant	1	0
64	Office Attendent	420	398
65	Peon cum Sweeper	1	1
66	Daffedar	1	0
67	Attender	18	16
68	Dark Room Attender	1	0
69	Driver	247	229
70	Photographer cum Artist	1	0
71	Gardner	4	3
72	Traker cum Gardner	3	0
73	Gardner cum Marker	1	0
74	Cleaner	2	0
75	Watcher	42	29
76	Muduvan Watcher	8	8
77	Night Watcher	25	18
78	RF Watcher	157	110
79	Depot Watcher	86	23
80	Tribal Watcher	700	682
81	Watcher cum Cook	6	0
82	Tapal Watcher	3	0
83	Rest House Watcher	1	0

Sl No.	Category	Sanctioned Strength	In Position
84	Scavenger/Sanitary Worker	1	1
85	Cook/Asst. Cook	1	0
86	Boat Driver	12	7
87	Boat Zrang	1	0
88	Boat Watcher	6	1
89	Boat Cleaner/Cleaner	3	0
90	Lascar	4	1
91	Survey Lascar	11	2
92	Mahouts & Kavadi	26	7
93	Timber Supervisor	1	0
94	Pump Operator	1	0
95	Lab Assistant	1	0
96	Radio Mechanic	1	0
97	Helper	1	0
98	Bus Cleaner	1	1
99	Chowkeedar	1	0
100	Part Time Contingent Employees	247	247
	<b>Total</b>	<b>7758</b>	<b>6859</b>

\* Ex –Cadre Posts.

\*\* Statistical Assistant Gr. I post upgraded at SC, Kollam.

**3.6 Details of employees working on contract/deputation/daily wages:** During the year, a total of 954 personnel were engaged on contract /deputation/ daily wages as shown below.

- On Contract - 2 nos
- On daily wages - 952 nos

3.7 As per GO (Ms) No.12/2017/Forest, dtd.20.03.2017, Government have accorded sanction to create the post of a Chief Forest Veterinary Officer and 12 posts of Assistant Forest Veterinary Officer on deputation from Animal Husbandary Department.

**3.8 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 - 21 nos
- Beat Forest Officer - 168 nos
- Reserve Forest Watcher/  
Depot watcher - 1 no.
- Superintendent - 1 no.
- Tribal Forest Watcher - 5 nos
- Clerk - 31 nos
- Typist - 6 nos

• Driver	-	8 nos
• Office Attendent	-	28 nos
• Night Watcher	-	15 nos
• Depot Watcher	-	5 nos
• Lascar	-	1 no.
• Confidential Assistant	-	7 no.
• PTS	-	16 nos
• Bus cleaner	-	1 no.

3.9 **Retirements:** - During the year, 168 (IFS cadre-11, Gazetted cadre-29, Non-Gazetted cadre-128) personnel have retired from service.

3.10 **Deputation:** - During the year, 10 personnel were sent on deputation to various other departments.

3.11 **Posts created:** - During the year, 1 post of Forest Watcher was created in FDPT, Kottayam.

3.12 **Supernumerary posts operated:** - During the year 2 supernumerary posts of Senior Superintendent and 69 posts of Forest Watchers were created.

3.13 **Consultants engaged:** - During 2016-17 M/s. Centre for Environment and Development, Thiruvananthapuram was 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 was engaged for preparing safety measures for ecotourism locations in Kerala. Also one consultant engaged for the preparation of Kodikuthimala Eco- tourism project plan in Eastern Circle, Palakkad.

3.14 **Training:** - A total of 1537 officers of the department were imparted training in various institutions during the year 2016-17 in different topics/ subjects.

3.15 **Awards/rewards for meritorious service:** - During the year, 20 officers of different cadres in the Department were awarded Chief Minister's Forest Medal for their meritorious service. Periyar Tiger Reserve won the award from the Asian Tiger Protection Meeting for the action taken against tiger poaching. During the year department bagged Kerala State e- Governance award under the category e-citizen service.

3.16 **Disciplinary proceedings against departmental personnel:** - During 2016-17, disciplinary actions were recommended against 155 personnel. Also 1 Range Forest Officer, 1 Clerk and 1 Beat Forest Officer were dismissed from service. 1 Beat Forest Officer from Marayoor division was punished by barring one increment without cumulative effect.

3.17 **Disciplinary proceedings against IFS Officers:-** During 2016-17, disciplinary actions were recommended against 2 APCCFs and 5 DFOs.



## Chapter 4

### FUNCTIONING OF THE DEPARTMENT

Kerala Forest Department has 14 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. It holds the administrative control and looks after 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 by 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 Wild Life (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 portrayal 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 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 Wild Life (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.

4.2.4 Details of captive elephants as on 31.03.2017

No. of elephants implanted with microchip		No. of elephants not implanted with microchip		No. of elephants dead	
Private owned	Dept. owned	Private owned	Dept. owned	Private owned	Dept. owned
444	28	0	4	23	3

### 4.3 Development Wing

4.3.1 The wing is headed by Principal Chief Conservator of Forests (FM) who discharges his duties with the help of Addl. Principal Chief

Conservator of Forests (F,B&A) who in turn 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 submission of 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, 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 of the Department entrusted with the submission of monthly accounts to the Accountant General and C&AG. It is the responsibility of Addl. Principal Chief Conservator of Forests (F,B&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 NABARD –RIDF Works: - This scheme is aimed for the implementation of infrastructure facilities in forest areas and expenditure for the same during 2016-17 were met through the following projects, viz; NABARD - RIDF XV, XVI, XVII, XVIII, XIX, XX, XXII and XXIII.

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	XV	7	600.00	2	130.00	445.06	443.45
2	XVI	8	674.87	1	70.40	448.00	595.79
3	XVII	9	1655.07	0	0	1572.56	1287.19

4	XVIII	4	441.75	0	0	353.40	366.62
5	XIX	2	2120.39	0	0	1984.53	1737.08
6	XX	2	4290.00	0	0	4075.50	2390.93
7	XXII	4	2262.00	0	0	2148.90	0
8	XXIII	2	3486.50	2	0	0	0

4.3.4.2 Intensification of Forest Management (IFM):- Intensification of Forest Management (IFM) is a 60% centrally sponsored scheme. Government of India has accorded sanction for the annual work programme under IFM for a total cost of ₹347.37 lakhs. An amount of ₹166.74 lakhs was sanctioned as central share during 2016-17. Total expenditure incurred was ₹296.00 lakhs of which the central share accounted for ₹166.74 lakhs and state share was ₹129.26 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 organisations where forest dependant families are members, who are participating in the planning and implementation of various forestry and community development programmes. As on 31<sup>st</sup> 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 31<sup>st</sup> 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 2016-17.

4.4.2.1 National Afforestation Programme (NAP):- This is a centrally sponsored scheme implemented through Forest Development Agencies since 10<sup>th</sup> 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 seedlings in degraded forests and adjoining areas.

The project proposal for 2016-17 was submitted to NAEB for approval. Sanction and release of funds under NAP for the year is pending.

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 ₹15.68 lakhs.

From 2015 -16 onwards the Bamboo Mission has stopped financial assistance directly to Forest Department. Therefore maintenance of existing stock of bamboo is met from other sources. The utilisation certificate for the project has been submitted. The scheme has been closed.

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 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. The FDA have spent ₹644.51 lakhs. The balance will be adjusted with the grant- in-aid of subsequent years.

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 (NMPB). Altogether, an amount of ₹167 lakhs had been released by NMPB till 2016-17, out of which ₹139.71 lakhs was spent.

4.4.2.5 Eco-tourism: - There are at present 60 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 the Forest Department.

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 ₹2.5 crores.

The details of these outlets are shown below.

<b>Sl No.</b>	<b>Name of Division / Forest Development Agency</b>	<b>Name of Vanasree Unit</b>
1	Achencoil	Manalur – Kumbhavurutty
2	Alappuzha Social Forestry	Kommadi
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 <sup>th</sup> 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
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 lands 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 25<sup>th</sup> April, 2005 and was notified on 3<sup>rd</sup> of May, 2005. The Act is deemed to have come into force on the 2<sup>nd</sup> 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; which 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 Lands. A separate wing was established as on 23.11.2005 and a Chief Conservator of Forests was posted as the Custodian of EFL. Principal Chief Conservator of Forests is the Custodian of Ecologically Fragile Lands now.

4.5.2 As on 31.03.2017, the state has notified an approximate extent of 14943.756 Ha. as ecologically fragile land. Out of this an approximate extent of 883.8117 Ha. has been denotified as per various redressal mechanisms provided under EFL Act. The district wise notification details are shown below.

<b>Sl No.</b>	<b>District</b>	<b>Area (Ha.)</b>
1	Thiruvananthapuram	723.5817
2	Kollam	273.7233
3*	Idukki	1397.7633
4	Thrissur	76.4046
5	Palakkad	4782.0835
6	Malappuram	1153.2027
7	Kozhikode	1544.04
8	Wayanad	2957.8486
9	Kannur	488.1291
10	Kasargode	663.1677
	<b>Total</b>	<b>14059.9445</b>

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

4.5.3 EFL Act provides various grievance redressal mechanisms under sections 10, 10 (A) and 19 (3) (b of the act). Out of the 477 valid applications received under section 10 (A), 215 were settled. 283 valid applications were received under section 19 (3) (b), of which 170 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 the gazette. The details of cases in the four tribunals are shown below.



Sl No.	Tribunal	Number of cases
1	Kollam	3
2	Kottayam	1
3	Palakkad	180
4	Kozhikode	114

4.5.6 About 291 cases are now pending before the Hon'ble High Court against the vesting of land as EFL and 15 Special Leave Petitions (SLPs) are pending before the Hon'ble Supreme Court challenging constitutional validity of EFL Act.

**4.6 Forestry Information Bureau (FIB):** Forestry Information Bureau is the publicity and extension arm of the Department. The departmental publication titled 'Aranyam' has been publishing on monthly basis since 2015 August on par with existing national level publications dealing with forestry and wildlife subjects in respect of quality and contents. The Bureau also undertakes works like 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 the Department.

4.6.1 International Trade Fair-2016: The Fair was held in November-2016 at Pragathi Maidan, New Delhi. The pavilion made by Bureau received attention at national level during the fair. The theme presented was 'Digital India'.

4.6.2 Onam week celebration: In connection with the celebration, bureau has presented a float based on the theme; 'Excessive use of plastic affects the environment adversely'.

4.6.3 Exhibition- Film show- Workshop: The exhibition wing of FIB conducted a total of 10 exhibitions and 13 work shops and film show was 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 Martyr's Day, Wildlife week celebration (October 2 -8) and other publicity works.

#### **4.7 Forest, Land and Resources Wing**

4.7.1 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 Wild Life (Protection) Act and Acts specifically dealt by other Chief Conservators of Forests. Matters relating to forest leases, vested forests, forest produce except non-timber forest produce (NTFP), 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.

4.7.2 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.

4.7.3 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. During the year, 60 officers got trained. Government issued notification vide G.O (P) 296/16/RD, under the Rule 101 of the Kerala Survey and Boundaries Act 1964 authorising, BFOs / SFOs who passed Chain Survey and Higher Survey to conduct survey of the forest land.

4.7.4 Details of forest land leased out to various agencies on long term agreement as on 31.03.2017 are as follows

<b>Sl No.</b>	<b>Division</b>	<b>Extent of land leased out (Ha.)</b>
1	Thiruvananthapuram	2433.729
2	Thenmala	68.157
3	Punalur	10550.058
4	Achenkovil	791.010
5	Ranni	4892.241
6	Konni	2886.891
7	Kottayam	6617.664
8	Munnar	2385.545
9	Kothamangalam	312.475
10	Marayoor	18.200
11	Mankulam	146.840
12	Malayattoor	4225.143
13	Vazhachal	2215.702
14	Chalakkudy	3820.329
15	Thrissur	1694.391
16	Nenmara	3696.706
17	Palakkad	345.049

<b>Sl No.</b>	<b>Division</b>	<b>Extent of land leased out (Ha.)</b>
18	Mannarkkad	885.471
19	Nilambur (North)	498.201
20	Kozhikode	1337.380
21	Wayanad (South)	70.045
22	Wayanad (North)	105.920
23	Kannur	6.718
24	Kasaragod	1522.910
25	Periyar (W ) Peerumedu	24.288
26	Periyar (E ) Thekkady	11.444
27	Wildlife Peechi	1371.815
28	Parambikulam	2455.228
29	Wildlife Wayanad	321.560
<b>Total</b>		<b>55711.11</b>

4.7.5 During 2016-17, a total of 192.1062 Ha. area including 54.6952 Ha. mangroves in Kasaragod district and 137.411 Ha. land received from Revenue Department as part of Social Forestry scheme were declared as Reserve Forest (under section 4 of KFA 1961).

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

Details of encroachment of forest land as on 31.03.2017 is given below

<b>Circle</b>	<b>District</b>	<b>Division</b>	<b>Extent of encroachment (Ha.)</b>
1	2	3	4
Southern Circle, Kollam	Pathanamthitta	Konni	10.59
		Ranni	1.13
	Kollam	Thenmala	7.24
	<b>Total</b>		<b>18.96</b>
High Range Circle, Kottayam	Ernakulam	Kothamangalam	147.60
	Kottayam	Kottayam	121.49

<b>Circle</b>	<b>District</b>	<b>Division</b>	<b>Extent of encroachment (Ha.)</b>
1	2	3	4
	Idukki	Munnar	1099.65
		Marayoor	0.03
		Mankulam	358.43
		<b>Total</b>	<b>1727.20</b>
Central Circle, Thrissur	Thrissur	Thrissur	147.04
	Ernakulam	Malayattoor	129.29
		<b>Total</b>	<b>276.33</b>
Eastern Circle, Palakkad	Malappuram	Nilambur North	682.53
		Nilambur South	2.11
	Palakkad	Palakkad	190.58
		Mannarkkad	2700.34
		Nenmara	244.19
		<b>Total</b>	<b>3819.75</b>
Northern Circle, Kannur	Kozhikode	Kozhikode	10.40
	Wayanad	Wayanad South	1369.29
		Wayanad North	369.74
	Kannur	Kannur	11.02
		<b>Total</b>	<b>1760.45</b>
Periyar Tiger Reserve, Kottayam	Kottayam	Periyar East	0.0061
	Idukki	Idukki	5.40
		<b>Total</b>	<b>5.4061</b>
Wildlife Circle, Palakkad	Thrissur	Peechi	193.02
		<b>Total</b>	<b>193.02</b>
<b>Grand Total</b>			<b>7801.1161</b>

## **4.8 Forest Management Information System (FMIS) Wing**

4.8.1. This Wing was established as part of the 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, compensation to wildlife attack module, cairn construction module and fire monitoring module have 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.

4.8.2 Major e- governance initiatives taken by the FMIS Wing 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.

## **4.9 Infrastructure & Human Resource Development (IHRD) Wing**

4.9.1 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).

4.9.2 There are two forest training institutes, one at Walayar and the other at Arippa. Kerala Forest School (Now State Forest Training Institute), 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. Forest School (Now 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 institute of the Kerala Forest Development Corporation at Arippa. In addition to the above two training institutes, 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 organised in the Forest Training Centre regularly.

4.9.3 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, etc. are also taught. Physical fitness sessions and games are integral part of the curriculum. On amending the recruitment rules, induction training at Forester (Section Forest Officer) level is stopped, as there is no recruitment at this level.

4.9.4 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. 230 Beat Forest Officers, 20 Deputy Range Forest Officers, 9 Section Forest Officers and 109 Forest Drivers attended the training. Apart from this, 7 nos of newly recruited Wildlife Assistants had undergone 3 months training during the year.

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

4.9.5 100% of the construction works under rehabilitation of SFTI; Arippa & Walayar funded by JICA have been completed during 2016-17. All other works included in the Annual Plan of Operation 2016-17 have been successfully completed in SFTI, Arippa & Walayar.

4.9.6 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 258 no. of officials in the above categories.

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

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

4.9.8 Deputation of IFS Officers /State Service Officers for trainings /workshops: - During the year 50 officers were deputed to various training courses, sponsored by the MoEF and other organisations of GoI and the State Government in different premier institutions in the country.

4.9.9 During the year, 1537officials 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	216
II	SFTI Walayar	218
III	FTC, Thiruvananthapuram	258
IV	IMG, Thiruvananthapuram	795
<b>Total</b>		<b>1487</b>
<b>Training attended in Institutions Outside Kerala</b>		
I	EEl, Hyderabad	13
II	CASFOS, Coimbatore	2
III	CASFOS, Dehradun	16
IV	CASFOS, Burnihat	7
V	FSI, Dehradun	5
VI	FRI, Dehradun	2
VII	CASFOS, Kurseong	5
<b>Total</b>		<b>50</b>
<b>Grand Total</b>		<b>1537</b>

4.9.9.1 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 training institutes 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 State Forest Training Institutes at 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 99% of works have been completed. The period of above project has been extended up to June 2017.

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.

4.9.9.2 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 98% 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.

4.9.9.3 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 97% 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.

4.9.9.4 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 Beat Forest Officers, Section Forest Officers and for compulsory training of Dy.Range Forest Officers and Range Forest Officers (FNTR category). They have prepared modules for Beat Forest Officers and Dy. Range Forest Officers in co-ordination with Principals. The syllabus of Beat Forest Officers and Dy. Range Forest Officers has been approved by the Government of Kerala.

#### **4.10 Social Forestry Wing**

4.10.1 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.

4.10.2 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.

4.10.3 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.

4.10.4 Haritha Keralam Padhathi (Phase – VIII):- In order to widen the scope of Haritha Keralam Scheme, it was decided to implement the Phase – VIII 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 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. 66.9 lakhs of valuable seedlings have been distributed to public and planted all over the state involving various agencies as stated above during 2016-17.

4.10.5 Production of seedlings for Haritha Keralam Padhathi (Phase – IX):- It was decided to implement the Phase – IX programme of Haritha Keralam Scheme during 2017-18. For this purpose ₹72.05 lakhs seedlings were raised during 2016-17 for distribution to public and departmental planting during the planting season of 2017-18.

4.10.6 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 2016-17 about 11025 seedlings were planted along various roadsides.

4.10.7 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 the 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, farmers' 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.

50% of the incentives will be given at the end of 1<sup>st</sup> year and the remaining 50% will be given at the end of the 3<sup>rd</sup> year. The scheme also provides cash awards for the best three performers in each of the above said slab at the end of 5<sup>th</sup> and 10<sup>th</sup> year. During the current year, 154 applications were selected and ₹6.16 lakhs were given as incentive to farmers.

4.10.8 Vanadepthi Programme: - Vanadepthi scheme is the conversion of monoculture pulp wood areas into multipurpose indigenous species areas, thus converting it into a 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. An expenditure of ₹1.55 lakhs have been incurred during the current year for works in the 5<sup>th</sup> year maintenance, tracing fire line, digging staggered trenches etc.

A similar scheme was also implemented in 25 Ha. of Elembacode Acacia plantation in Thiruvananthapuram Forest Division during the previous year as per the administrative sanction accorded by the Government, vide G.O(Rt) No.69/2013/F&WLD dated: 12.02.2013. During 2016-17 an amount of ₹4.49 lakhs have been expended for the scheme at Elembacode for weeding, soil working, fire protection and engaging protection mazdoor.

4.10.9 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 the 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 the

Forest Department till date. Balance area of 265 acres is yet to be handed over to the Forest Department. As per G.O (Ms)No.86/2012/F&WLD, dated: 25.07.2012, the 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 etc. 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 ₹6.85 lakhs has been incurred as expenditure by KFDC till date for the above said preliminary works. Acquisition of the remaining portion of the proposed land is in progress.

4.10.10 Suvarnodyanam 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 Suvarnodyanam. Hon'ble Minister for Forests inaugurated Suvarnodyanam Biological Park on 21-12-2006. The prime objective of the park is to provide education with some recreational facilities. The park 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.

4.10.11 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 Abhayaranyam project, at Kaprikkad, was handed over to ACF, Natural Study Centre, Kalady. After making the necessary arrangements, 'Abhayaranyam Project' was inaugurated on 18.02.2011. Considering various aspects, it was decided to develop this area as 'Abhayaranyam Biological Park' so as to showcase 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

4.10.12 Kuttivanam / Nature Appreciation Centre – This scheme is intended to develop forest in every panchayat of the state and create Kuttivanam (Small Forest) to provide oppertuinites 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.

4.10.13 Citizen Conservator Programme – This scheme is intended to recognise, appreciate and support the services and efforts of citizens and citizen groups in conservation 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 Panchayat/Municipality/Corporations, 1 or 2 per Panchayat, 2 to 5 per Municipality and 10 in Corporation. Administrative Sanction was received as per the G.O (Rt) No. 396/14/F&WLD dated: 25.08.2014 for ₹45 lakhs. 351 citizen conservators have been selected during the year.

4.10.14 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.

4.10.15 Scheme to revamp and Rejuvenate Forestry Clubs – In Kerala, Forestry Clubs were functioning in all 14 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 G.O (Ms) No. 90/14/F&WLD, dated: 06.11.2014 for ₹35 lakhhs. Physical target has almost been attained. 976 Forestry Clubs are operational since 2014-15.

4.10.16 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 hands 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 the Government and the same is yet to be received.

4.10.17 Herbal Garden-This scheme is intended to establish 50 herbal gardens with medicinal plant 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 no. of 455 no. of herbal gardens were established till date.

4.10.18 Nakshatravanam-This project intends to create 70 Nakshatravanams (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 Nakshatravanams have been established throughout the state at an expenditure of ₹ 5.32 lakhs.

#### **4.11 Special Afforestation Wing**

4.11.1 Implementation & monitoring of Forest (Conservation) Act, 1980:- The Nodal officer deals 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 2016-17 have been submitted to the Government and clearance has been received in most of the cases. During 2016-17 proposals submitted to the Government of India and approvals obtained are as shown below.



Sl No.	Purpose	Order No. and Date	Area (Ha.)
1	Diversion of forest land for electricfication of Kuzhimattom area in Kothamangalam	G.O(Rt)72/2017/F&WLD dated 27.02.2017	0.054
2	Diversion of forest land for electricfication of Chembanaruvi colony, Kollam	4-KLB 070/2005-BAN/1162 dtd.13.12.2016	4.4
3	Diversion of forest land for construction of Kacherikadavu bridge in Chalakkudi division	4-KLB 1009/2014-BAN/1002 dtd.10.11.2016	0.2845
4	Diversion of forest land for establishing Anakampoyil hydro electric project, Kozhikkode	4-KLB 1085/2016-BAN/2034 dtd.01.02.2017	0.25

4.11.2 Supervising activities in respect of issue of licence to wood - based industries (WBI): - 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.

4.11.3 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, action was taken on 525 applications.

4.11.4 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 utilised. APO for 2014-15 was submitted to Centre for approval. The Central Government has directed to merge and re-submit APOs for the years 2014-15, 2015-16 and 2016-17 as per the model of the Government of Andhra Pradesh.

## 4.12 Vigilance Wing

4.12.1 Vigilance wing was formed in Kerala Forest Department vide G.O (Ms) No.289/71/Agri, dated: 23.12.1971, with the 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 claims 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 execution of 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 in check posts, night patrolling to prevent illegal transportation of forest produces, etc.

4.12.2 Machinery for vigilance and evaluation works: - On 4-2-2016, the post of Principal Chief Conservator of Forests(Vig.) was created as the 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 an Range Forest Officers function under the wing. A Forest Intelligence Cell under an Assistant Conservator of Forests and a Control Unit headed by a Range Forest Officer who inturn report to the Principal Chief Conservastor of Forests is functioning at the Headquarters.

4.12.3 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 recognised the utility of information collected by the Intelligence Cell through secret sources. During 2016-17, an amount of ₹2,26,500/- has been disbursed as remuneration to informants.

4.12.4 Raids conducted and Contrabands seized: - During the year, 68 raids were conducted to destroy ganja plants and to destroy illicit

brewing. Also vehicles were seized in relation with smuggling of forest goods.

4.12.5 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.

4.12.6 During 2016-17, 771 petitions/irregularities were enquired into and the details are shown below.

Sl No.	Particulars	No. of Cases
1	Illicit felling of trees and smuggling of timber and other forest produce	44
2	Encroachments in reserve forest	22
3	Irregularities involved in the expenditure on forest works, Misappropriation of Government money	6
4	Irregularities involved in the execution of departmental works	23
5	Irregularities in wild elephants and other animals	32
6	Shooting of wild elephant and other kinds of animals	05
7	Cases of subordinates misbehaviour	43
8	Illicit transport of forest produces belonging to Government	07
9	Corrupt practices in auction	02
10	Assault etc.	0
11	Other kinds of petitions	142
12	Violation of KPT Rules/Act	06
13	Violation of WL Act.	09
14	Illicit distillation of spurious liquor	01
15	Atrocities against Tribals	03
16	Atrocities against animals	201
17	Illicit collection of rubble and sand	12
18	Illicit felling, storage and transport of timber from private lands	20
19	Petition against forest officials	153
20	Petition against VSS	10
21	Cases involved in smuggling of bamboos and reeds.	02
22	Press report	05
23	Fire occurrence	03
24	Misuse of departmental vehicles	08
25	Possession of Unlicensed Gun	01
26	Smuggling of sand	01
27	Illicit transport of forest produce not belonging to Govt.	02
28	Misappropriation of money	07
29	Ganja cultivation	01
	<b>Total</b>	<b>771</b>

### 4.13 Wildlife Wing

4.13.1 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.

4.13.2 At present there are 11 Wildlife Divisions under three Wildlife Circles. The wing manages 3213.237 KM<sup>2</sup> 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(KM <sup>2</sup> )	Status ( Valid up to)
1	Eravikulam National Park	97.000	March 2022
2	Silent Valley National Park *	237.520	March 2022
3	Anamudi Shola National Park	7.500	March 2020
4	Mathikettan National Park	12.817	March 2020
5	Pambadum Shola National Park	1.318	March 2020
6	Periyar Tiger Reserve	925.000	March 2022
7	Neyyar WLS	128.000	March 2022
8	Peechi - Vazhani Wildlife Sanctuary	125.000	March 2022
9	Parambikulam W L S (Tiger Reserve)	643.660	March 2021
10	Wayanad WLS	344.440	March 2022
11	Idukki WLS	70.000	March 2022
12	Peppara WLS	53.000	March 2022
13	Thattekkad Bird Sanctuary	25.000	March 2022
14	Shenduruney WLS	171.000	March 2022
15	Chinnar WLS	90.440	March 2022
16	Chimmony WLS	85.000	March 2022
17	Aralam WLS	55.000	March 2022
18	Mangalavanam Bird Sanctury	0.027	March 2020
19	Kurinjimala Sanctuary	32.000	March 2022
20	Choolannur Pea Fowl Sanctuary	3.420	March 2022
21	Malabar Sanctuary	74.215	March 2020
22	Kadalundi - Vallikunnu Community Reserve	1.500	March 2020
23	Kottiyoor Wildlife Sanctuary	30.380	March 2023
<b>Total</b>		<b>3213.237</b>	

4.13.3 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.

4.13.4 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.

4.13.5 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 the Government of India at centre with a few regional offices. Incidence of such serious wildlife crimes are dealt in co-ordination with agencies like the Wildlife Crime Control Bureau and other state forest departments.

4.13.6 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 in 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.

4.13.7 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.

4.13.8. The extension and interpretation activities under the 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.

4.13.9. 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. However, as per G.O (Ms)

No.12/2017/Forest Dated 20.03.2017, created the post of a Chief Veterinary Officer and 12 posts of Assistant Forest Veterinary Officer on deputation from Animal Husbandary Department.

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

4.13.11 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, damage to habitations 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 cause damages. Kerala Forest Department has so far done many proactive measures such as digging elephant 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 causing damage 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 prescribed in the above order and extended the period for 3 years from 04.08.2012. A total of 7765 incidents of human-animal conflicts reported in Kerala during 2016-17.

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
<b>Total</b>	<b>1500.28</b>	<b>584.63</b>	<b>34.53</b>	<b>3.67</b>	<b>42.67</b>	<b>258.85</b>	<b>2.50</b>

4.13.12 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 2016-17, a total of ₹9,63,89,552/- was distributed to the victims. The circlewise details are given below:

Total	Name of Circle		Cattle Death	Crop Damage and Property Loss	Human Death	Human Injured	Grand Total																
	ABP	FD (PTR)						WL Plkd	Southern	HRC	Central	Eastern	Northern	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)
361	0	9	93	56	21	18	47	117															
7639474	0	167000	2090750	847893	1232409	264500	442200	2594722															
6461	37	57	1012	273	251	181	676	3974															
42040133	511861	299984	6287086	2834371	2370820	2181497	6678255	20876259															
145	0	0	6	26	11	28	57	17															
23975360	0	0	2565000	2500000	2310360	3200000	9700000	3700000															
798	0	4	16	129	61	102	79	407															
22734585	0	119975	193802	4683383	2262261	4140661	2896255	8438248															
7765	37	70	1127	484	344	329	859	4515															
96389552	511861	586959	11136638	10865647	8175850	9786658	19716710	35609229															

4.13.13 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 16<sup>th</sup> to 23<sup>rd</sup> 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 Wild Life (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 Thar for the Last Five Years**

2012	2013	2014	2015	2016
789	873	894	900	1420



#### 4.13.14 List of Elephant Corridors

SI 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
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

4.13.15. Wild Animals Rescued: - During the year 2016-17, many cases of human-animal conflicts were identified and further action was taken on scientific manner. Wild animals that entered 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.

4.13.16 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
2	Kannur	Thalaiparamba	Kannur	RFO, Thalaiparamba	8547602678	0460 2206696
3	Palakkad	Olavakode	Palakkad	RFO, Olavakkode	8547602100	0491 2552815
4	Nilambur	Nilambur	Nilambur North	RFO, Nilambur	8547602200	04931 220005
5	Ranni	Ranni	Ranni	RFO, Ranni	8547600927	0473 5223471
6	Kozhikode	Thamarassery	Kozhikode	RFO, Thamarassery	8547602828	0495 2223720
7	Mannarkad	Mannarkad	Mannarkad	RFO, Mannarkadu	8547602315	0492 4225566
8	Peppara	Paruthippally	T'puram	RFO, Paruthippally	8547600970	0472 2854022
9	Kasargod	Kasargod	Kasargod	RFO, Kasargode	8547602526	04994 225072
10	Kalpetta	Kalpetta	Wayanad South	RFO, Kalpetta	8547602715	04936 205038
11	Malayattur	Malayattoor	Malayattoor	RFO, Kodanad	8547604182	0484 2640774
12	Munnar	Munnar	Munnar	RFO, Devikulam	8547601337	04865 264377
13	Punalur	Punalur	Punalur	RFO, Anchal	8547600725	04752 276648
14	Peerumedu	Peerumedu	Peerumedu	RFO, Azhutha	8547603123	04869 233710

#### 4.14 Working Plan & Research (WP&R) Wing

4.14.1 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 that 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.

4.14.2 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.

4.14.3 Status of Working Plan: - Out of 25 territorial forest divisions, most of the divisions are having current Working Plans approved by the Government of India.

Status of Working Plans as on 31.03.2017 is shown below.

Sl No.	Division	Valid up to	Remark
1	Thiruvananthapuram	31.03.2017	New Working Plan is under preparation
2	Thenmala	31.03.2019	Working Plan is current
3	Achenkoil	31.03.2018	Working Plan is current
4	Ranni	31.03.2024	Working Plan is current
5	Punalur	31.03.2021	Working Plan is current
6	Konni	31.03.2025	Working Plan is current
7	Kothamangalam	31.03.2026	Working Plan is current
8	Munnar	31.03.2020	Working Plan is current
9	Marayoor	31.03.2020	Working Plan is current
10	Mankulam	31.03.2022	Working Plan is current.
11	Kottayam	31.03.2017	New Working Plan is under preparation
12	Vazhachal	31.03.2017	New Working Plan is under preparation
13	Chalakkudy	31.03.2017	New Working Plan is under preparation

Sl No.	Division	Valid up to	Remark
14	Malayattoor	31.03.2025	Working Plan is current
15	Thrissur	31.03.2024	Working Plan is current
16	Mannarkkad	31.03.2023	Working Plan is current
17	Nilambur(North)	31.03.2025	Working Plan is current
18	Nilambur(South)	31.03.2024	Working Plan is current.
19	Palakkad	31.03.2019	Working Plan is current.
20	Nenmara	31.03.2025	Working Plan is current
21	Kozhikkode	31.03.2021	Working Plan is current
22	Wayanad(North)	31.03.2025	Working Plan is current
23	Wayanad(South)	31.03.2023	Working Plan is current
24	Kannur	31.03.2023	Working Plan is current.
25	Kasargod	31.03.2023	Working Plan is current

4.14.4 Growing 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.

4.14.5 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.

4.14.6 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 2016-17, 32000 Kgs of *Tectona Grandis* (Teak) seeds were collected.

4.14.7 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.

4.14.7.1 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	Kampiline Bit I	Achenkovil	1981	24.50
2	Kampiline Bit II		1981	32.50
3	Alinjamaon		1987	18.28

Sl No.	Location	Forest Division	Year	Area (Ha)
4	Kodamala		1987	37.1
5	Kummannur	Konni	1978	17.60
6	Kummannur		1979	12.50
7	Kummannur		1980	13.00
8	Naduvathumoozhy		1955	11.22
9	Naduvathumoozhy		1956	10.82
10	Naduvathumoozhy		1963	10.00
11	Naduvathumoozhy		1964	12.74
12	Kondody		1959	4.24
13	Little Kondody		1964	16.72
14	Nellidappara		1950	12.54
15	Adukuzhi		Ranni	1983
16	Kudappanakulam	1980		28.77
17	Thekkumala	1988		44.16
18	Thekkumala	1967		30.55
19	Thekkumala	1968		29.61
20	Padayanippara	1967		27.39
21	Padayanippara	1968	29.76	
22	Mullapana	Chalakkudy	1976	126.30
23	Pachotti	Kothamangalam	1983	74.19
24	Athirapally	Athirapally	1974	129.35
25	Athirapally		1976	44.16
26	Athirapally		1977	76.56
<b>Sub Total</b>				<b>920.1</b>
27	Elival	Palakkad	1996	19.00
28	Elival		1997	10.20
29	Elival		1998	11.96
30	Pannimudi		1981	60.24
31	Pannimudi		1979	52.00
32	Pulampara		1980	94.00
33	Pullamkandam	1980	40.16	
34	Sankarankodu	Nilambur (North)	1961	42.00
35	Pulakappara		1970	43.80
36	Nedumgayam		1970	55.40
37	Nedumgayam		1973	65.00
38	Nedumgayam		1972	9.07
39	Cherupuzha		1971	20.00
40	Karia Muriem		1974	51.43
41	Karia Muriem		1979	66.40
42	Erampadam		1984	23.30
43	Poolakappara		1969	55.14
44	Poolakappara Bit I		1973	58.10
45	Poolakappara		1974	52.88
46	Poolakappara		1976	21.83
47	Ezhuthukal Block I		1965	79.23
48	Mundakkadavu		1963	34.42
49	KriummuriumBit II		1973	54.30

Sl No.	Location	Forest Division	Year	Area (Ha)
50	Elanjeri	Wayanad (North)	1975	31.00
51	Aravallikkav		1975	25.70
52	Shanamangalam		1964	43.90
53	Shanamangalam		1962	39.10
54	Alathur FF Begur		1980	17.00
55	Vilangadi	Wayanad (South)	1975	98.90
56	Pallichira		1980	41.10
57	Udayakkara		1983	54.45
			<b>Sub Total</b>	<b>1371.01</b>
			<b>Grand Total</b>	<b>2291.11</b>

4.14.8 **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 2016-17 are prepared.

4.14.9 Research studies and Surveys: - The following research activities were carried out by the department during the year 2016-17.

- 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.
- Quantitative assessment of oil contents of sandal wood from different sandal occurring areas in Kerala by hydro distillation and GC-MS method.
- Comparative research study of teak stumps and root trainers were conducted in three plots in Nilambur, Palakkad and Mananthavady.

4.14.10 Achievements made during 2016-17:-

Forest Resource Survey Cell

The division has conducted verification and rationalisation of plantation including GPS survey during the current year.

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 Chozhiyakode
- 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
- Conservation 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 Caesalpena 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 spectabilis at various locations
- Study on improving the availability of Pandanus in Nilambur
- Maintenance of teak plantations, various pinus research gardens 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
- 32000kg teak seeds and 848 miscellaneous seeds were collected from the TSPA's and research plots transferred to



Kerala Forest Seed Centre, Peechi for grading and certifying 8500kg teak seeds were already distributed to various divisions

New Projects launched:-

- In Mananthavady, a research plan at Kozhimoola started for comparative study of growth of root trainer and stump
- Efficacy of bio fertilizers in nursery medium on seedling vigour

Projects Completed:-

- Working plan of Ranni division for the period from 2014-15 to 2023-24 had been completed and got the approval of Ministry of Environment and Forests.
- Working plan of Konni division for the period from 2015-16 to 2024-25 had been completed and got the approval of Ministry of Environment and Forests.
- The project period of some research plots were completed. But it was decided to hand over four research plots to the concerned divisions and to hold the other research plots with Research Division. The final report for the same is under preparation.

## Chapter 5

### FINANCIAL RESULTS

#### Revenue and Expenditure

The Forest Revenue realised during the year 2016-17 was ₹296.85 crores. The total expenditure incurred during the year was ₹607.16 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 produce comes to ₹270.55 crores in 2016-17. Major portion of the forest revenue was from timber. During 2016-17, ₹253.33 crores was collected towards revenue from the sale of timber alone which accounted for 85.34% of the total forest revenue. The comparative position of revenue and expenditure for the year 2016-17 and 2015-16 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
2016-17	296.85	239.02	368.14	607.16
2015-16	290.21	144.26	300.50	444.76

**Table 5.2-Revenue from Timber and other Forest Produce**

Sl No.	Head of Account	(₹in lakhs)
1	2	3
<b>0406-01-101 Sale of Timber and other Forest produce.</b>		
1	99 Timber	25332.89
2	98 Firewood and Charcoal	141.91
3	97 Receipts from sale of forest produce coming under the Kerala private forest (Vesting and Assignment) Act.	0.40
4	96 Receipts from forest development tax	1332.09
5	95 Receipts under Kerala Forest Produce	137.84
6	94 Other Items	110.08
<b>Total (101)</b>		<b>27055.21</b>
<b>0406-01-800 Other Receipts</b>		
1	99 Interests on Arrears of Forest Revenue	102.25
2	98 Receipts from Wild life department	258.91
3	97 Scheme for Provision of House Sites and houses to Landless Workers in Rural Area - Free Supply of Timber	0.03
4	96 Revenue Realised from the KFDC on the sale proceeds of residual growth	2.91

Sl No.	Head of Account	(₹in lakhs)
5	95 Other Items	1880.72
6	94 Livestock	0.55
7	93 Integrated Wasteland Development Programme	0.04
8	92 Central assistance for NOVOD sponsored development of tree born oil seeds	0.01
9	91 Receipts on account of Lapsed and Confiscated Deposits	0.11
10	90 Forest Land Lease rent	390.08
<b>Total (800)</b>		<b>2635.61</b>
<b>Grand Total</b>		<b>29690.82</b>
	Refunds (0406-01-900-00)	5.94
	<b>Net Revenue</b>	<b>29684.88</b>

### 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 2016-17 an amount of ₹1332.09 lakhs was collected as FDT.

### Outstanding on Account of Forest Revenue

An amount of ₹340.21 crores is outstanding on account of forest revenue at the end of the year 2016-17.

### Outlay and Expenditure

The outlay and expenditure during 2015-16 and 2016-17 is given in Table 5.3

**Table 5.3-Outlay and Expenditure** (₹in crores)

Schemes	2015-16		2016-17	
	Outlay	Expenditure	Outlay	Expenditure
State sector	159.65	127.18	219.37	195.98
Central sector	38.88	17.08	66.12	42.29
EAP	0.00	0.00	0.75	0.75
<b>Total (Plan)</b>	<b>198.53</b>	<b>144.26</b>	<b>286.24</b>	<b>239.02</b>
Non Plan	348.03	300.50	353.77	368.14
<b>Grand Total</b>	<b>546.56</b>	<b>444.76</b>	<b>640.01</b>	<b>607.16</b>

The Plan expenditure under forestry sector during 2016-17 is ₹239.02 crores, which is 83.50% of the total plan outlay. Out of this, state sector accounted for ₹195.98 crores and the expenditure for central sector including Externally Aided Project (EAP) was ₹43.04 crores.

## Developments under 12<sup>th</sup> Five Year Plan

The year 2016-17 is the fifth year of the 12<sup>th</sup> Five Year Plan. The target and achievement are given in Table 5.4

**Table 5.4-Yearwise target and achievement during XII Five Year Plan (₹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
2016-17	286.24	239.02

During the 5<sup>th</sup> year of the XII Five Year Plan, ₹286.24 crores was invested for various development programmes implemented by forestry sector. Out of this, an expenditure of ₹239.02 crores has been incurred.

The financial targets and achievements for various departmental schemes for the last five years are given in Table 5.5.

**Table 5.5-Target and Achievement (Financial) (2012-13, 2013-14, 2014-15, 2015-16 & 2016-17)**

Schemes	(₹ in lakhs )					
	2012-13 to 2015-16		2016-17		Progressive Total	
	Targets	Achievements	Targets	Achievements	Targets	Achievements
1	2	3	4	5	6	7
<b>State Sector Schemes (A)</b>						
<b>Management of Natural Forests</b>						
(a) Forest Protection (Survey of Forest Boundaries & Forest Protection)	3725.00	2773.51	2500.00	2496.66	6225.00	5270.17
(b) Survey of Forest Boundaries	300.00	295.62	0.00	0.00	300.00	295.62
(c) Forest Protection	7020.00	6922.33	2122.00	1642.42	9142.00	8564.75
(d) Regeneration of Denuded Forests	200.00	195.42	100.00	98.42	300.00	293.84
(e) Non-wood forest produce including promotion of medicinal plants	440.00	431.54	195.00	210.79	635.00	642.33
<b>Improving Productivity of Plantations</b>	3955.00	3627.95	1600.00	1617.16	5555.00	5245.11
<b>Infrastructure Development</b>						
Roads	1200.00	1144.21	400.00	373.74	1600.00	1517.95
Buildings	1972.00	1947.70	600.00	598.94	2572.00	2546.64
<b>Bio-diversity</b>	10933.20	9792.23	2728.80	3034.25	13662.00	12826.48

Schemes	(₹ in lakhs )					
	2012-13 to 2015-16		2016-17		Progressive Total	
	Targets	Achievements	Targets	Achievements	Targets	Achievements
1	2	3	4	5	6	7
<b>State Sector Schemes (A)</b>						
<b>Conservation and Protected Area Management</b>						
<b>Eco-tourism</b>	2287.01	2212.93	820.00	822.20	3107.01	3035.13
<b>Human Resources Development</b>	1050.00	1051.82	360.00	310.18	1410.00	1362.00
<b>Resources Planning and Research</b>	200.00	204.03	250.00	225.68	450.00	429.71
<b>Extension Forestry</b>	1650.00	1577.79	0.00	0.00	1650.00	1577.79
<b>Extension Community Forestry &amp; Agro Forestry</b>	2400.00	2178.71	1400.00	1390.70	3800.00	3569.41
<b>FM IS &amp; GIS</b>	500.00	413.17	150.00	156.70	650.00	569.87
<b>Management of Non-wood Forest Products</b>	368.00	339.77	0.00	0.00	368.00	339.77
<b>Works with assistance under Rural Infrastructure Development Fund</b>	7200.00	2646.31	4200.00	3603.27	11400.00	6249.58
<b>13th Finance Commission Award</b>	3388.00	2671.13	0.00	0.00	3388.00	2671.13
<b>Integrated Forest Management *</b>	460.00	282.21	240.00	118.25	700.00	400.46
<b>Measures to reduce Man Animal conflict</b>	3100.00	2916.40	757.00	746.94	3857.00	3663.34
<b>Zoological Park, Wildlife Protection and Research Centre, Puthur</b>	3450.01	622.71	1200.00	400.60	4650.01	1023.31
<b>Schemes under Kerala Perspective Plan</b>	100.00	73.99	30.00	30.00	130.00	103.99
<b>Development of Infrastructure Measures to Reduce Man Animal Conflict</b>	500.00	492.11	0.00	0.00	500.00	492.11
<b>Green India Mission</b>	0.01	0.00	0.00	0.00	0.01	0.00
<b>Total (A)</b>	<b>56398.23</b>	<b>44813.59</b>	<b>19652.80</b>	<b>17876.90</b>	<b>76051.03</b>	<b>62690.49</b>
<b>Break-up of Centrally Sponsored Schemes(CSS) - (B)</b>						
<b>100% CSS</b>	6827.58	2998.26	2333.84	1921.31	9161.42	4919.57
<b>75% CSS (IFM) *</b>	1140.00	734.70	360.00	177.38	1500.00	912.08

Schemes	(₹ in lakhs )					
	2012-13 to 2015-16		2016-17		Progressive Total	
	Targets	Achievements	Targets	Achievements	Targets	Achievements
1	2	3	4	5	6	7
<b>State Sector Schemes (A)</b>						
<b>50% CSS ** (Sanctuaries &amp; National Parks)</b>	6743.88	3895.36	2824.20	1469.85	9568.08	5365.21
<b>Integrated Development of Wildlife Habitats (Protection of Wildlife - Outside Protected areas - 60% CSS)</b>	245.00	245.04	217.02	183.27	462.02	428.31
<b>Project Elephant (100% scheme remodified as 60% CSS from 2015-16 onwards)</b>	400.00	254.82	716.45	673.84	1116.45	928.66
<b>National Afforestation Programme (100% scheme remodified as 50% CSS from 2015-16 onwards)</b>	900.00	204.50	2445.00	1524.70	3345.00	1729.20
<b>Total CSS (B)</b>	<b>16256.46</b>	<b>8332.68</b>	<b>8896.51</b>	<b>5950.35</b>	<b>25152.97</b>	<b>14283.03</b>
<b>Biodiversity Conservation and Rural Livelihood Improvement Project (EAP)</b>	77.56	77.56	75.12	75.12	152.68	152.68
<b>Total Plan</b>	<b>72732.25</b>	<b>53223.83</b>	<b>28624.43</b>	<b>23902.37</b>	<b>101356.68</b>	<b>77126.20</b>

\*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 2016-17, an expenditure of ₹23902.377 lakhs was incurred against the budget provision of ₹28624.430 lakhs. Details of budget head wise allotment and expenditure are shown in Table 5.6

**Table 5.6- Achievements on Plan Schemes (Financial) during 2016-17**

Sl No.	Scheme & Head of Account	Financial (₹ in lakhs )	
		Budget Outlay	Expenditure
1	2	3	4
<b>A. State Sector Schemes</b>			
<b>I</b>	<b>Management of Natural Forests</b>		
1	Forest Protection (2406-01-101-81)	2122.000	1642.424
2	Forest Protection (Survey of Forest Boundaries & Forest Protection) (4406-01-101-99)	2500.000	2496.656

Sl No.	Scheme & Head of Account	Financial (₹ in lakhs )	
		Budget Outlay	Expenditure
3	Regeneration of Denuded Forests (2406-01-101-94)	100.000	98.429
4	Non-wood forest produce including Promotion of medicinal plants (2406-01-101-80)	195.0000	210.793
5	Schemes under Kerala Perspective Plan 2030 (2406-01-102-87)	30.000	29.997
<b>Sub Total</b>		<b>4947.000</b>	<b>4478.299</b>
<b>II</b>	<b>Improving Productivity of Plantations</b>		
1	Hard Wood Species (4406-01-105-87)(1)	735.000	718.041
2	Industrial Raw Materials (4406-01-105-87)(2)	865.00	899.122
3	Hardwood Species (Mechanisation of Forest Management Practices) One Time ACA (4406-01-105-87) (03)		
<b>Sub Total</b>		<b>1600.000</b>	<b>1617.163</b>
<b>III</b>	<b>Infrastructure Development</b>		
1	Roads (4406-01-070-99)	400.000	373.741
2	Buildings (4406-01-070-97)	600.000	598.943
<b>Sub Total</b>		<b>1000.000</b>	<b>972.684</b>
<b>IV</b>	<b>Bio-diversity Conservation and PA Management</b>		
1	Conservation of Biodiversity(2406-02-110-68)	500.000	497.079
2	Eco Development Programme (2406-02-110-56)	346.000	364.468
<b>Sub Total</b>		<b>846.000</b>	<b>861.547</b>
<b>V</b>	<b>Eco-Tourism (4406-01-800-91)</b>		
		<b>820.000</b>	<b>822.199</b>
<b>VI</b>	<b>Human Resource Development</b>		
1	Training (2406-01-003-97)	360.000	310.179
<b>VII</b>	<b>Resource Planning &amp; Research (2406-01-004-92)</b>		
		<b>250.000</b>	<b>225.681</b>
<b>VIII</b>	<b>Forest Management IS&amp;GIS (2406-01-800-57)</b>		
		<b>150.000</b>	<b>156.704</b>
<b>IX</b>	<b>Extension Community Forestry &amp; Agro Forestry (2406-01-800-55)</b>		
1	(01) Extension Forestry	1400.000	1390.704
<b>X</b>	<b>Works with assistance from RIDF (4406-01-800-90)</b>		
		<b>4200.000</b>	<b>3603.267</b>
<b>XI</b>	<b>Measures to reduce Man Animal Conflict (2406-01-800-56)</b>		
		<b>757.000</b>	<b>746.936</b>
<b>XII</b>	<b>Zoological Park, Wildlife Protection and Research Centre, Puthur (2406-02-110-48)</b>		
		<b>400.000</b>	<b>400.602</b>
<b>XIII</b>	<b>Zoological Park Wildlife Protection and Research Centre, Puthur (2406-02-110-97)</b>		
		<b>800.000</b>	<b>0.000</b>
<b>Sub Total (A)</b>		<b>17530.000</b>	<b>15585.965</b>
<b>B. Schemes with Central Assistance (60% CSS)</b>			
<b>i.</b>	<b>Sanctuaries</b>		
1	Neyyar Wildlife Sanctuary (2406-02-110-39)(01)	175.000	144.582
2	Wayanad Wildlife Sanctuary (2406-02-110-39)(02)	375.000	238.209
3	Idukki Wildlife Sanctuary (2406-02-110-39)(03)	175.000	127.129
4	Peehi Vazhani Wildlife Sanctuary (2406-02-110-39)(04)	112.500	107.670
5	Wildlife Sanctuary – Peppara (2406-02-110-39(05))	137.500	86.268
6	Wildlife Sanctuary – Schendurney (2406-02-110-39)(6)	137.500	96.035
7	Wildlife Sanctuary -Chimmony (2406-02-110-39)	137.500	94.255



Sl No.	Scheme & Head of Account	Financial (₹ in lakhs )	
		Budget Outlay	Expenditure
	(7)		
8	Wildlife Sanctuary – Aralam (2406-02-110-39) (8)	137.500	133.755
9	Wildlife Sanctuary – Chinnar (2406-02-110-39) (09)	212.500	109.901
10	Bird Sanctuary at Thattekkad (2406-02-110-39)(10)	125.000	97.265
11	Mangalavanam Bird Sanctuary (2406-02-110-39)(11)	49.500	40.979
12	Kurinjimala Sanctuary (2406-02-110-39)(12)	75.000	33.122
13	Chulannur Peacock Sanctuary (2406-02-110-39)(13)	47.500	39.898
14	Malabar Wildlife Sanctuary (2406-02-110-39)(14)	60.000	48.820
15	Kottiyoor Wildlife Sanctuary (2406-02-110-45)	95.000	53.360
	<b>Sub Total</b>	<b>2052.000</b>	<b>1451.248</b>
<b>ii.</b>	<b>National Parks</b>		
1	Eravikulam National Park (2406-02-110-38)(01)	350.000	230.374
2	Silent Valley National Park (2406-02-110-38)(02)	350.000	286.340
3	Anamudi Shola National Park (2406-02-110-38)(03)	100.000	62.653
4	Mathikettan Shola National Park (2406-02-110-38)(04)	92.500	55.444
5	Pampadum Shola National Park (2406-02-110-38)(05)	100.000	63.114
	<b>Sub Total</b>	<b>992.500</b>	<b>697.925</b>
<b>iii.</b>	<b>Community Reserve</b>		
1	Integrated Development of Wildlife Habitats Management of Community Reserve (2406-02-110-37)(01)	37.500	00.000
	<b>Sub Total</b>	<b>37.500</b>	<b>00.000</b>
<b>iv.</b>	<b>Project Tiger</b>		
v.	Project Tiger Parambikulam Tiger Reserve (2406-02-110-36(01)	944.000	815.170
vi.	Project Tiger Parambikulam Tiger Reserve (2406-02-110-36(02)	681.000	678.204
	<b>Sub Total</b>	<b>1625.000</b>	<b>1493.374</b>
vii.	Project Elephant(2406-02-110-52)	716.450	673.838
viii.	Integrated Forest Protection Scheme(2406-02-110-52))	600.000	295.631
ix.	Integrated Development of Wildlife Habitat (Protection of Wildlife Outside Protected Areas(2406-02-110-52))	217.020	183.266
x.	Nilgiri Biosphere Reserve(2406-02-110-80)	85.840	0.000
xi.	Agasthyamala Biosphere Reserv(2406-02-11-66)	300.000	73.309
xii.	Wetland Conservation(2406-02-800-60)	100.000	0.000
xiii.	Integrated Development of Wildlife Habitats to Wayanad Wildlife Sanctuary for Voluntary Relocation of Settlements from Protected Areas(2406-02-110-49))	1848.000	1848.000
xiv.	National Afforestation Programme(2406-01-102-86)	2445.000	1524.700
	<b>Sub Total (B)</b>	<b>11019.310</b>	<b>8241.291</b>

Sl No.	Scheme & Head of Account	Financial (₹ in lakhs )	
		Budget Outlay	Expenditure
<b>C.</b>	Externally Aided Project(EAP)		
1	Conservation & Rural Livelihood Improvement Project(2406-02-110-41)	75.120	75.120
	<b>Sub Total (C)</b>	<b>75.120</b>	<b>75.120</b>
<b>Grand Total (A+B+C)</b>		<b>28624.430</b>	<b>23902.377</b>

### Outlay and Expenditure under Non-Plan Schemes

An expenditure of ₹36814.427 lakhs was incurred against the budget provision of ₹35377.170 lakhs during 2016-17. Details on budget head wise allotment and expenditure are shown in Table 5.7

**Table 5.7-Achievements on Non-plan Schemes (Financial) during 2016-17.**

Sl No.	Scheme & Head of Account	2016-2017 (₹ in Lakhs )	
		Outlay	Expenditure
<b>I</b>	<b>Direction &amp; Administration (2406-01-001)</b>		
1	Office of the Chief Conservator of Forests (2406-01-001-99)	1557.130	1516.629
2	Office of the Conservator of Forests (2406-01-001-98)- Circle Office	692.490	610.339
3	Working Plan & Research Circle (2406-01-001-97)	67.550	62.260
4	Vigilance & Evaluation Wing (2406-01-001-96)	1497.690	1469.627
5	District Offices (2406-01-001-95)	10435.040	11079.963
6	Statistical Cell (2406-01-001-94)	15.400	3.600
7	Timber Sales Division (2406-01-001-93)	504.050	563.014
8	FD Fund Collection of add. tax on sales of Forest Produce (2406-01-001-92)	0.010	0.000
	<b>Sub Total</b>	<b>14769.360</b>	<b>15305.432</b>
<b>II</b>	<b>Education &amp; Training (2406-01-003)</b>		
1	Training (2406-01-003-99)	353.830	323.043
	<b>Sub Total</b>	<b>353.830</b>	<b>323.043</b>
<b>III</b>	<b>Forest Research (2406-01-004)</b>		
1	Forest Research & Training (2406-01-004-99)	56.210	54.637
2	Payment out of the KFDF for Forest Research (2406-01-004-95)	86.000	76.416
	<b>Sub Total</b>	<b>142.210</b>	<b>131.054</b>
<b>IV</b>	<b>Survey and Utilization of Forest Resources ( 2406-01-005)</b>		

SI No.	Scheme & Head of Account	2016-2017 (₹ in Lakhs )	
		Outlay	Expenditure
1	Forest Resources Survey (2406-01-005-99)	65.020	42.320
2	Survey of Forest Boundaries (2406-01-005-98)	190.830	188.940
<b>Sub Total</b>		<b>255.850</b>	<b>231.259</b>
<b>V</b>	<b>Statistics (2406-01-013)</b>		
1	Planning & Statistical Cell (2406-01-013-99)	167.060	168.471
<b>Sub Total</b>		<b>167.060</b>	<b>168.471</b>
<b>VI</b>	<b>Communication &amp; Buildings (2406-01-070)</b>		
1	Roads & Bridges (2406-01-070-99)	88.100	83.557
2	Buildings (2406-01-070-98)	92.510	86.914
<b>Sub Total</b>		<b>180.610</b>	<b>170.471</b>
<b>VII</b>	<b>Forest Conservation Development &amp; Regeneration (2406-01-101)</b>		
1	Forest Consolidation & Acquisition of Private Forests(2406-01-101-99)	3504.700	3639.607
2	Working Plans, Evaluation Survey, etc. (2406-01-101-98)	2.500	1.919
3	Silvicultural Works (2406-01-101-97)	8.000	6.265
4	Fire Protection Work (2406-01-101-96)	21.630	13.938
5	Compensatory Afforestation (2406-01-101-92)	10.000	6.759
6	Amount met out of KFDF for Planting Softwood Trees (2406-01-101-91)	468.000	466.715
7	Transfer to the fund for TEAK under the Kerala Forest Revolving Fund for Teak and Pulpwood Rules,1999 (2406-01-101-90)	1144.800	1137.311
8	Transfer to the fund for PULPWOOD under the Kerala Forest Revolving Fund for Teak and Pulpwood Rules,1999 (2406-01-101-89)	474.000	473.702
9	Forest Protection (2406-01-101-81)	4337.090	4544.814
<b>Sub Total</b>		<b>9970.720</b>	<b>10291.031</b>
<b>VIII</b>	<b>Social &amp; Farm Forestry (2406-01-102)</b>		
1	Plantation of fast growing species (2406-01-102-99)	345.770	328.370
2	Ecology Development World Bank Assisted Social Forestry (2406-01-102-98)	2454.620	2280.821
3	Ecology Development World Bank Assisted Social Forestry, Phase-II (2406-01-102-92)	142.110	130.989
<b>Sub Total</b>		<b>2942.500</b>	<b>2740.180</b>
<b>IX</b>	<b>Forest Produces (2406-01-105)</b>		

SI No.	Scheme & Head of Account	2016-2017 (₹ in Lakhs )	
		Outlay	Expenditure
1	Timber & Other Produces removed by Govt. Agencies (2406-01-105-99)	2348.500	2337.511
2	Firewood & Charcoal removed by Govt. Agencies (2406-01-105-98)	10.000	2.062
3	Other Produce removed by Govt. Agencies (2406-01-105-97)	0.080	0.000
4	Timber & Other Produces removed by Consumers (2406-01-105-96)	0.070	0.036
5	Confiscated Forest Produce, Drift wood, etc. (2406-01-105-95)	1.150	0.396
6	Livestock (2406-01-105-94)	693.260	693.932
7	Miscellaneous Advance Suspense (2406-01-105-93)	0.010	0.000
8	Teakwood (2406-01-105-92)	607.620	894.864
9	Softwood (2406-01-105-91)	70.790	111.114
<b>Sub Total</b>		<b>3731.480</b>	<b>4039.915</b>
<b>X</b>	<b>Other Expenditure (2406-01-800)</b>		
1	Forest Publicity(2406-01-800-98)	56.100	54.307
2	Forest Protection(2406-01-800-95)	1.000	0.000
3	Intensification of Forest Management (2406-01-800-93)	157.960	140.121
4	Relief to Victims Affected by the Attack of Wild Animals (2406-01-800-92)	350.000	343.487
5	Rewards to Informants (2406-01-800-91)	0.300	0.306
6	Subsidy to KFDC (2406-01-800-72)	0.010	0.000
<b>Sub Total</b>		<b>565.370</b>	<b>538.221</b>
<b>XI</b>	<b>Wildlife Preservation (2406-02-110)</b>		
1	Wildlife Preservation (2406-02-110-99)	1496.870	1989.605
2	Periyar Tiger Reserve Project (2406-02-110-93)	227.620	275.569
3	Eco-Development Global Environmental Facilities (2406-02-110-69)	91.700	85.384
4	Conservation of Bio-diversity (2406-02-110-68)	398.570	447.722
<b>Sub Total</b>		<b>2214.760</b>	<b>2798.280</b>
<b>XII</b>	<b>LAC ADS (4406-01-101)</b>		
1	Projects under Legislative Assembly Constituency Asset Development Scheme (4406-01-101-97)	83.410	77.070

Sl No.	Scheme & Head of Account	2016-2017 (₹ in Lakhs )	
		Outlay	Expenditure
<b>Sub Total</b>		<b>83.410</b>	<b>77.070</b>
<b>XIII</b>	<b>EFL (4406-01-102)</b>		
1	Acquisition Charges of land notified as EFL under the Kerala Forest (Vesting & Management of EFL) Act 2003 (4406-01-102-96)	0.010	0.000
<b>Sub Total</b>		<b>0.010</b>	<b>0.000</b>
<b>Grand Total</b>		<b>35377.170</b>	<b>36814.427</b>

Note: - Since the reconciliation process during 2016-17 was not completed, figures given in the tables 5.6 and 5.7 are as per the report of Accountant General

**Funds received directly from Government of India:-**The scheme-wise funds received directly from Government of India and the expenditure incurred during 2016-17 is given in Table 5.8.

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

Scheme	Amount Released (₹ in lakhs)			Expenditure Incurred (₹ in Lakhs)		
	Till 31 <sup>st</sup> March 2016	During 2016-17	Total	Till 31 <sup>st</sup> March 2016	During 2016-17	Total
CAMPA	765.58	0.00	<b>765.58</b>	622.03	24.08	<b>646.11</b>

**Table 5.9-Work done during the year for other Government Departments, autonomous bodies, local bodies or agencies and expenditure incurred: -**

Sl. No.	Source	Beneficiary Circle / Division	Purpose	Expenditure (₹ In lakhs)
1	Petronet LNG Ltd	SF Ernakulam	Mangrove Afforestation	9.63
			Compensatory Afforestation	1.08

**Chapter 6**  
**INFRASTRUCTURE**

**6.1 Roads**

The details of roads maintained by the Kerala Forest Department as on 31.03.2017 are shown below.

<b>Sl No.</b>	<b>Type of Road</b>	<b>Length (km)</b>
1	Cement Concrete	21.189
2	Black Topped	454.957
3	Metalled	874.947
4	Earthern Road(Un-Surfaced)	3407.678
	<b>Total</b>	<b>4758.771</b>

Of the 4758.771 km, length of motorable road is 3948.006 km and that of non-motorable road is 810.765 km.

**6.2 Buildings**

Details of buildings maintained by the department as on 31.03.2017 are shown below.

<b>Sl No.</b>	<b>Item</b>	<b>No.</b>
1	Office Buildings	331
2	Rest Houses / Government Cottages/IB	70
3	Quarters	
	a) Type VI	18
	b) Type V	22
	c) Type IV	65
	d) Type III	219
	e) Type II	618
	f) Type I	296
	g) Other quarters	103
4	Dormitories	89
5	Community Halls	40
6	Forest Stations and associated buildings	127
7	Other Buildings	1092
	<b>Total</b>	<b>3090</b>

### 6.3 Vehicles

6.3.1 Kerala Forest Department possesses 668 different types of vehicles. Of these, 572 are in running condition and 96 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	2	3	4	5
1	Ambassador Car/ Other Cars	40	18	58
2	Mahindra Xylo/XUV/Scorpio	11	0	11
3	Bolero	95	6	101
4	Mahindra Jeep	161	24	185
5	Innova	32	0	32
6	Invader	10	0	10
7	Maruthy Gypsy	1	0	1
8	Mini Bus	10	0	10
9	Mini Van	2	0	2
10	Mini Lorry/ Lorry	4	0	4
11	Motor Cycle	98	45	143
12	Toyota Qualis	5	0	5
13	TataSumo/ Spacio	2	0	2
14	Toyota Tourister	1	0	1
15	E Rickshaw	1	0	1
16	Tata Winger	2	0	2
17	Road Roller	1	0	1
18	Mahindra Thar	84	1	85
19	Boat	12	2	14
	<b>Total</b>	<b>572</b>	<b>96</b>	<b>668</b>

### 6.4 Arms & Ammunition

Necessary arms & ammunition have been provided to the Divisional Forest Officers, Range Officers and Forest Station staff in



vulnerable areas for effective protection of forests and wildlife. The details as on 31-03-2017 are as shown below.

<b>Sl No.</b>	<b>Circle</b>	<b>No. of Rifles</b>	<b>No. of Revolvers</b>	<b>No. of Ammunition (Cartridges &amp; Bullets)</b>
1	Southern Circle,Kollam	29	13	257
2	High Range Circle,Kottayam	59	13	551
3	Central Circle,Thrissur	37	10	141
4	Eastern Circle,Palakkad	49	9	813
5	Northern Circle,Kannur	29	05	685
6	Agasthyavanam Biological Park, Thiruvananthapuram	13	07	1355
7	Field Director Project Tiger, Kottayam	140	19	2163
8	Wildlife, Palakkad	70	15	1592
9	Inspection & Evaluation, Kottayam	15	6	300
10	Inspection & Evaluation, Kozhikode	16	8	428
11	Estate Office, FHQ, Tvpm.	10	0	4065
	<b>Total</b>	<b>467</b>	<b>105</b>	<b>12350</b>

## **Chapter 7**

### **MISCELLANEOUS**

#### **7.1 Adalats**

During 2016-17, File adalats, offence adalat and Local Audit Report (LAR) adalats were conducted at various offices.

#### **7.2 Seminars, Conferences & Workshops**

During 2016-17, Southern Circle, Kollam conducted various campaigns against forest fire for school children and public, awareness campaign to tribals and public, against Moist threat and conducted a seminar about the preparation of microplan. High Range Circle conducted fire protection awareness campaigns, e-auction awareness class and World Wildlife day seminar. A workshop on fire management for Scouts and Guides was conducted in Thrissur. Also a workshop on 'management of elephants using scientific and humane methods' was conducted in Malayattur under Thrissur Circle. Eastern Circle, Palakkad conducted 49 nature camps. Northern Circle, Kannur conducted 30 nature camps, 4 awareness camps, medical camps and a seminar on bio-diversity conservation. Campaign against forest fire, media camp, environmental day celebration and awareness class was conducted as part of 'wildlife week celebration etc. by FDPT, Kottayam.

Social Forestry Circle, 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, World Environment day celebration, wildlife week celebration, World Forestry Day celebrations, etc. Nature camps, Earth day observation, workshop on forestry club, seminar on mangroves, and seminar on International Ozone day and film shows were conducted by Social Forestry, Kozhikkod Circle.

Wildlife Circle, Palakkad conducted a workshop on Asian elephants and tiger veterinary care at Wayanadu, International Tiger Day, International Vulture Day, World Environment Day, Wildlife week celebration, workshop on strengthening wildlife law enforcement and conservation in India and many workshops on various subjects like protection strategies, Forest Rights Act, Human- animal conflict, etc.

#### **7.3 Fairs and Exhibitions**

During 2016-17, a sale cum exhibition of NTFP was conducted at Valliyoorkavu in connection with Festival at Valliyoorkavu Temple, by Northern Circle, Kannur. Mannarkkadu Division conducted an exhibition in connection with Sivarathri festival at Attappady. FDA Chalakkudy participated in bamboo fest at Ernakulam and Thrissur pooram

exhibition. FDA Vazhachal participated in bamboo fest at Ernakulam and exhibition at Meloor church. FDA, Malayattur participated in Kottayam fest, Koothattukulam fest, National Science expo, Thiruvalla, Gadhika 2016 at Kozhokkode, Paithrukotsavam at Palakkad and bamboo fest at Ernakulam. FDPT, Kottayam conducted Thekkady flower show, karshika mela, food fest, techno fest, bio-diversity fest and campus fest, Chaithanya karshika mela and LMTC fest. Exhibitions were conducted by Social Forestry, Kollam and Kozhikkodu Circles also.

**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 3335 applications received, 3330 were disposed and 5 were rejected. 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
<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>

**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
<b>1</b>	<b>329</b>	<b>94</b>	<b>329</b>

**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 2016-17	Total No. of Requests	No. of Requests Disposed	No. of Requests Rejected
<b>0</b>	<b>3335</b>	<b>3335</b>	<b>3330</b>	<b>5</b>

**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 Section 9	No. of Requests Rejected Under Other Sections
<b>5</b>	<b>3</b>	<b>1</b>	<b>1</b>

#### 7.4.5 Disposal of first appeals by Designated Appellate Officers

No. of first Appeals pending with Appellate Officers as on 31-03-16	No. of first Appeals preferred during the Year 2016-17	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
<b>0</b>	<b>93</b>	<b>93</b>	<b>88</b>	<b>5</b>	<b>0</b>

#### 7.4.6 Penalties imposed & collected

Details of Penalties imposed by Information Commission under Section 20(1)	Details of Penalties Collected
<b>Nil</b>	<b>Nil</b>

#### 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)
<b>Nil</b>	<b>Nil</b>	<b>Nil</b>

#### 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
<b>5335</b>	<b>14850</b>	<b>21546</b>	<b>2071</b>	<b>8</b>	<b>43810</b>

The list of State Public Information Officers and Appellate Authorities of the department is shown in *Annexure 3*.

**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 Committee(SLC)**

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 31.03.2017, out of 25892 eligible individual claims passed by District Level Committee (DLC), 25081 titles were issued. As on 31.03.2017, 328 rights were accepted under community rights.

## **7.6 Internal Control System**

7.6.1 As per the Public Accounts Committee's (PAC) recommendations in 57<sup>th</sup> report (2001-2004), internal audits are conducted in offices of the Forest Department every year just before Accountant General's audit, in order to reduce observations/audit paras. Since internal audit (IA) units were found not 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 15.06.2017 there are 559 paras pending in 128 reports of the LAR. Two PAC paras are also pending to be cleared. Two Audit Committee meetings were held by ACS (F&WLD) on 04.04.2016 and 05.02.2016 and

one Apex Committee was held on 18.06.2016 to review pending PAC paras, C&AG reports and IRs pending.

### **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, an Internal Complaint Committee in connection with 'sexual harassment against women at work 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

<b>Sl No.</b>	<b>Name and Designation</b>	<b>Position in the committee</b>
1	Smt. Tessy. P. Jose Senior Administrative officer, O/o APCCF( Administration) Forest Head Quarters, Thiruvananthapuram	Chairperson
2	Adv. Rakhi Ravikumar Deputy Mayor and Councillor, Vazhuthacaud Ward Municipal Corporation of Thiruvananthapuram	Member
3	Sri. K. N. Syam Mohan Lal Deputy Conservator of Forests (Administration) Forest Head Quarters, Thiruvananthapuram	Member
4	Smt. P.K.Jaya Senior Superintendent, O/o APCCF(Administration) Forest Head Quarters, Thiruvananthapuram	Member
5	Smt. Sujaya Senior Clerk O/o CCF(ABP) Forest Head Quarters, Thiruvananthapuram	Member
6	Smt. Swathi Suresh Junior Clerk O/o APCCF(Administration) Forest Head Quarters, Thiruvananthapuram	Member

### **7.8 Implementation of Official Language Act**

Malayalam has been declared as the official language, vide G.O. No. 7223/OL3/85/P&ARD, dated: 1.09.1985. 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 are being written in Malayalam. It is decided to use the freely downloaded software viz; 'Kaveri' in all offices and websites of the 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. 19/83/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](http://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 2016-17:-** 23<sup>rd</sup> All India Forest Sports and Games Meet 2016-17 was conducted during January 2017 at Hyderabad. Over all performance of the Kerala team was very satisfactory. The total expenditure for the above sports meet was ₹27.56 lakhs under Budget Head: 2406-01-003-97 HRD. Kerala stood at 5<sup>th</sup> place with 26 gold, 14 silver and 10 bronze medals and an overall score of 200 points.



**Annexure 1**

**Division wise no. of Check Posts as on 31.03.2017**

Sl No.	Division	Range		Check Post	Whether Interstate or not(Y/N)
<b>Southern Circle - Kollam</b>					
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
<b>High Range Circle - Kottayam</b>					
7	Kottayam	Kumili	16	Cumbummettu	Y
		Erumeli	17	Pulluppara	N
			18	Vazhikadavu	N
		Ayyappancoil			
8	Kothamangalam	Nagarampara			
		Kaliyar			
		Mullaringad			
		Thodupuzha	19	Guruthikkalam	N
9	Munnar	Kothamangalam	20	Thadikulam	N
		Munnar			
		Neriyamangalam	21	Thalakkodu	N
		Adimali	22	Panamkutty	N
		Devikulam	23	Bodimettu	Y
24	Palar		N		
10	Mankulam	Mankulam			
		Anakulam			
11	Marayoor	Marayoor	25	Chattamunnar	N

Sl No.	Division	Range		Check Post	Whether Interstate or not(Y/N)
		Kanthalloor	26	Pius Nagar	N
<b>Central Circle – Thrissur</b>					
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	Thatttekadu	N
Thundathil	35	Boothathankettu	N		
<b>Eastern Circle – Palakkad</b>					
16	Nenmara	Alathur			
		Nellyyampathy	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	Anakkatty	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
<b>Northern Circle – Kannur</b>					
21	Kozhikkode	Thamarassery			
		Kuttiyadi			
		Peruvannamoozhi			

Sl No.	Division	Range		Check Post	Whether Interstate or not(Y/N)
22	Kannur	Kottiyoor	47	Iritty	Y
		Kannavam			
		Thaliparamba			
23	Kasaragod	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			
<b>Wildlife Circle</b>					
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
		Chinnar National Park	62	Chinnar	Y
			63	Karimutti	Y
		Shola National Park	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 <sup>rd</sup> Mile)	N
		Sulthan Batheri			
33	Parambikulam	Sungam	73	Anappadi	Y
			74	Keerappadi	Y

<b>Sl No.</b>	<b>Division</b>	<b>Range</b>		<b>Check Post</b>	<b>Whether Interstate or not(Y/N)</b>
		Orukomban	75	Thoothampara	N
		Parambikulam			
		Karimala			
34	Peechi	Chimmoni	76	Echippara	N
		Peechi			
35	Silent Valley	Silent Valley NP			
		Bhavani			
36	Aralam	Aralam			

## Annexure 2

### 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 (E & 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

<b>Sl No.</b>	<b>Designation</b>	<b>Email ID</b>	<b>Phone</b>	<b>Fax</b>	<b>Office Mobile</b>
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
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	dfo-kni.for@kerala.gov.in	0468-2242233	0468 2242391	9447979033

<b>Sl No.</b>	<b>Designation</b>	<b>Email ID</b>	<b>Phone</b>	<b>Fax</b>	<b>Office Mobile</b>
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
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-mklm.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



<b>Sl No.</b>	<b>Designation</b>	<b>Email ID</b>	<b>Phone</b>	<b>Fax</b>	<b>Office Mobile</b>
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-nlbfor@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
61	Divisional Forest officer, Wayanad (North) Division	dfo-wyndn.for@kerala.gov.in	0493-5240233	04935 246902	9447979074
62	Divisional Forest officer, Wayanad (South) Division	dfo-wynds.for@kerala.gov.in	0493-6203428	04936 2074469	9447979075
63	Divisional Forest officer, Kozhikkode Timber Sales Division	dfo-ts-kzkd.for@kerala.gov.in	0495-2414702		9447979009
64	Director, State Forest Training Institute, Arippa	pr.arippa.for@kerala.gov.in	0475-2312080		9447979171
65	Director, 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

<b>Sl No.</b>	<b>Designation</b>	<b>Email ID</b>	<b>Phone</b>	<b>Fax</b>	<b>Office Mobile</b>
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, Forestry Information Bureau	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		

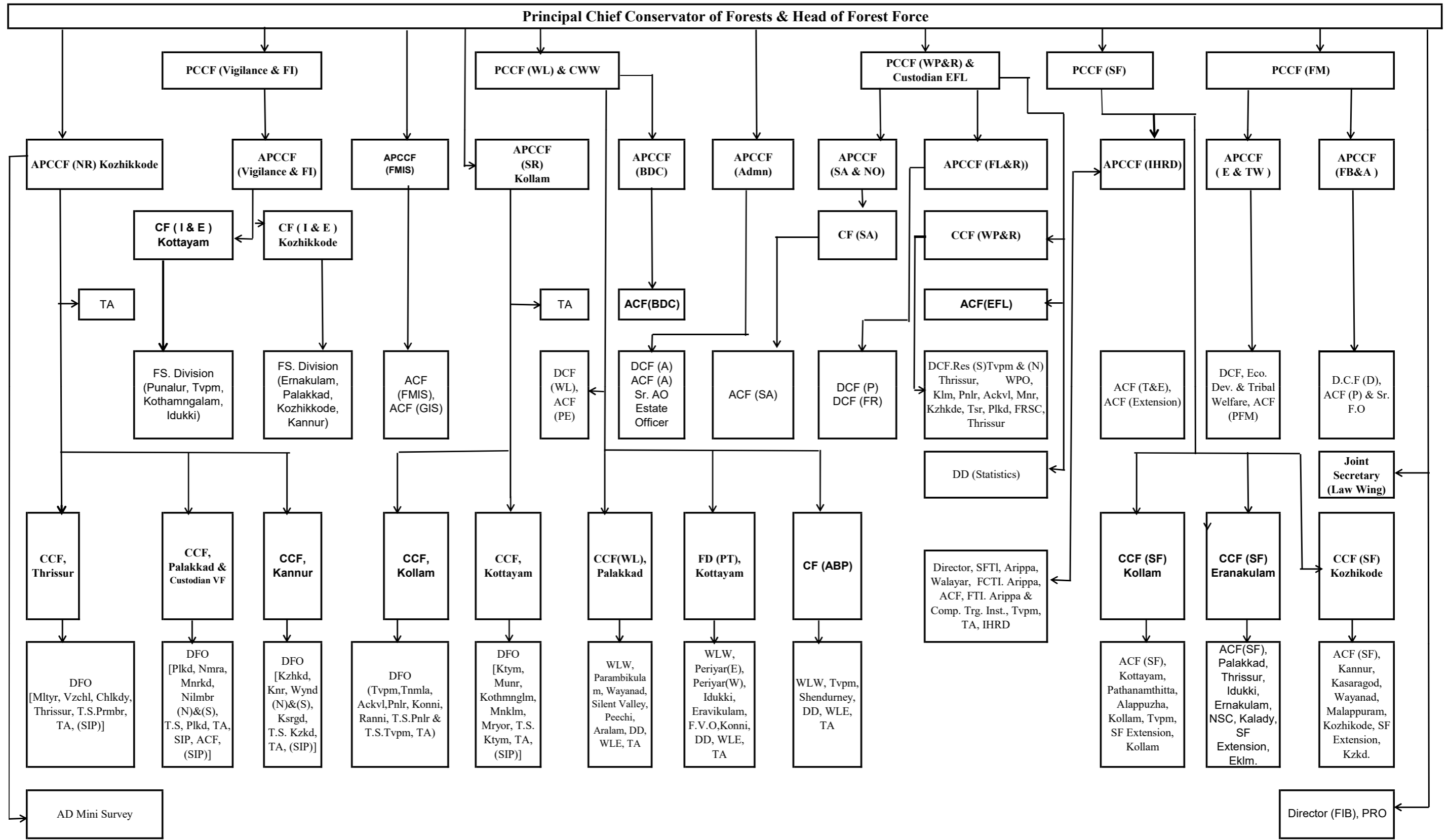
**Annexure 3**

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

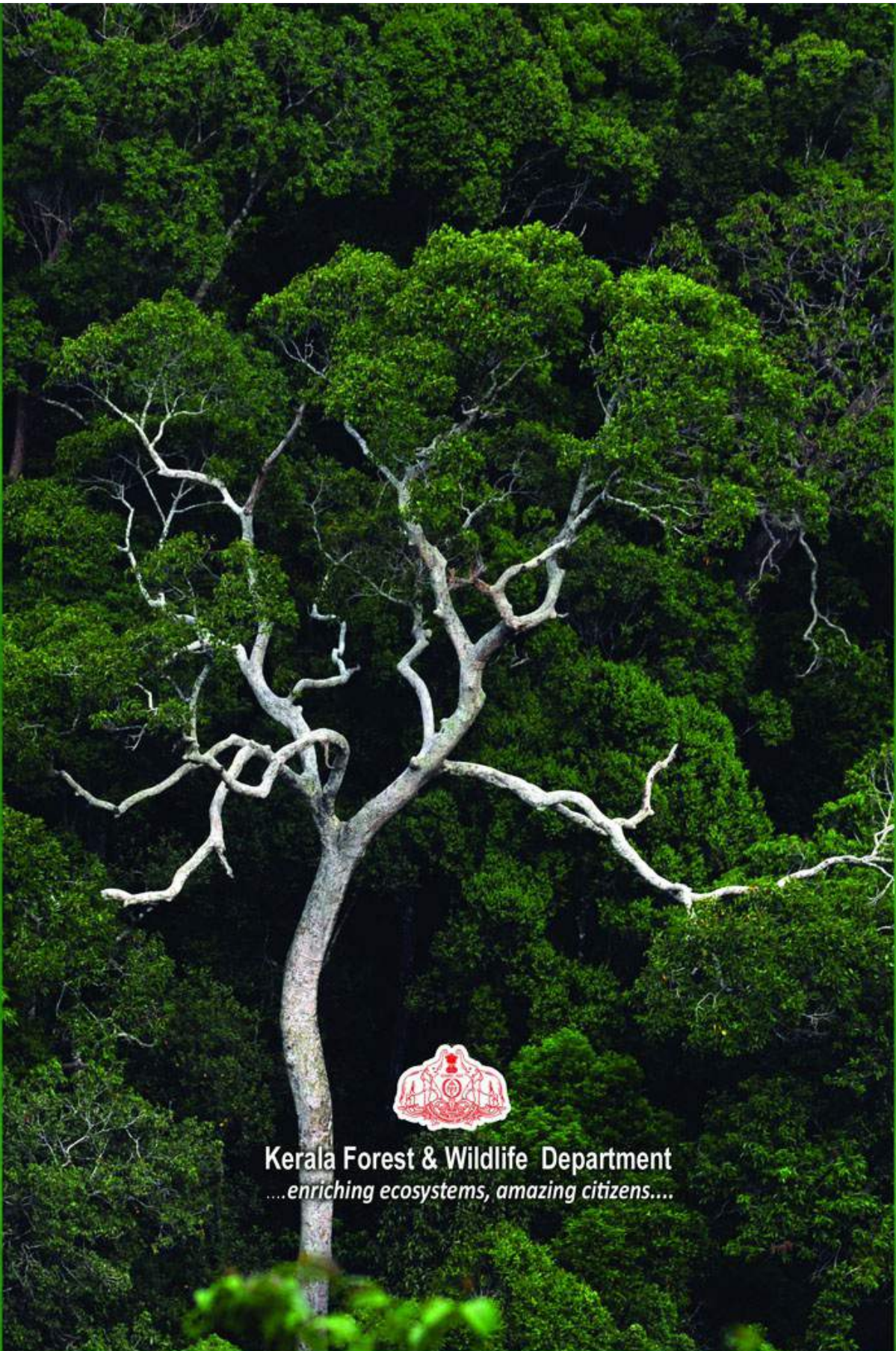
Sl No.	State Public Information Officer	Appellate Authority
1	Deputy Conservator of Forests(Administration) O/o the Principal Chief Conservator of Forests &HoFF, Thiruvananthapuram	Principal Chief Conservator of Forests &HoFF
2	Asst. Conservator Forests(Administration), O/o the Addl. Principal Chief 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	Asst. Conservator Forests (SA), 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
15	Asst. Conservator Forests (ABP), O/o Chief Conservator of Forests (ABP),	Chief Conservator of Forests (ABP), Thiruvananthapuram

Sl No.	State Public Information Officer	Appellate Authority
	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 DEPARTMENT**  
**ORGANISATION CHART 2016-17**







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

**വനത്തെയും വന്യജീവികളെയും സംരക്ഷിക്കൂ...  
കാടിന് കാവൽ നാം തന്നെ !**