



**KERALA FORESTS &  
WILDLIFE DEPARTMENT**



**ADMINISTRATION**  
**REPORT 2019-20**



**GOVERNMENT OF KERALA**

**Abstract**

Forest & Wildlife Department-Establishment -Annual Administration Report 2019 - 20 -Reviewed and approved - Orders issued.

---

**FOREST & WILDLIFE (F) DEPARTMENT**

G.O.(Rt)No.9/2022/F&WLD

Dated,Thiruvananthapuram, 07/01/2022.

---

Read Letter No.S2-9/2020 dated:13.10.2021 & 08.12.2021 from the Principal Chief Conservator of Forests (Admin), Thiruvananthapuram.

**ORDER**

Government have reviewed the Annual Administration Report of the Forest and Wildlife Department for the year 2019 -20 and are pleased to approve the same.

(By order of the Governor)

Rajesh Kumar Sinha  
Principal Secretary

To:

The The Principal Chief Conservator of Forests & Head of Forest Force, Thiruvananthapuram.

The Principal Chief Conservator of Forests (Administration), Thiruvananthapuram.

The Principal Accountant General (Audit), Kerala, Thiruvananthapuram.

The Accountant General (A & F), Kerala, Thiruvananthapuram.

The Director, Institute of Management in Government, Thiruvananthapuram.

GeneralAdministration (AR) Department.

The Web & New media.

Stock File /Office Copy.

Forwarded /By order

Signed by Noushad S

Date: 10-01-2022 10:09:15

Section Officer,  
Reason: Approved



GOVERNMENT OF KERALA

# ADMINISTRATION REPORT

— 2019 - 20 —

KERALA FORESTS  
&  
WILDLIFE DEPARTMENT

KERALA FOREST &  
WILDLIFE DEPARTMENT

Minister  
**Shri. Adv. K. RAJU**

Principal Secretary  
**Shri. Dr. A. JAYATHILAK IAS**

Principal Chief Conservator of  
Forests & Head of Forest Force  
**Shri. P. K. KESAVAN IFS**

# CONTENTS

Chapter	Contents	Para No	Page No.
<b>Chapter I</b>	<b>HISTORY OF FOREST MANAGEMENT OF KERALA</b>		<b>1-24</b>
	Evolution of the Department	1.1	1
	Kerala Forest Governance Before Independence	1.2	1
	Kerala Forest Governance Post-Independence	1.3	1
	Kerala Forest Governance Post - 1988	1.4	2
	Expansion of the Department	1.5	2
	Autonomous Bodies Under The Kerala Forest Department	1.6	14
	Major Milestones	1.7	15
	Vision, Mission and Objectives	1.8	17
	Statutory and Non - Statutory functions	1.9	18
	Major Acts & Rules implemented by the Department	1.10	19
	Constitution of State Forests	1.11	20
<b>Chapter II</b>	<b>ORGANISATIONAL SET UP</b>		<b>25-49</b>
	Organisational Structure of the Department	2.1	25
	Forest Circles	2.2	38
	Main Functions of the various wings of Department	2.3	42
	Functions of the Autonomous Bodies Under the Department	2.4	47
<b>Chapter III</b>	<b>HUMAN RESOURCES</b>		<b>50-57</b>
	Staff Strength	3.1	51
	Training	3.2	57
	Awards/Rewards for Meritorious Service	3.3	57
	Disciplinary Proceedings against the Department Personnel	3.4	57
<b>Chapter IV</b>	<b>FUNCTIONING OF THE DEPARTMENT</b>		<b>58-106</b>
	Planning & Development Wing	4.1	58
	Administration Wing	4.2	68
	Wildlife Wing	4.3	68
	Eco - Development & Tribal Welfare Wing	4.4	77
	Ecologically Fragile Land (EFL) Wing	4.5	82
	Forestry Information Bureau (FIB)	4.6	82
	Forest Management (FM) Wing	4.7	83
	Information Technology(IT)	4.8	86
	Human Resource Development (HRD) Wing	4.9	88
	Social Forestry Wing	4.10	90
	Special Afforestation Wing	4.11	93
	Vigilance Wing	4.12	96
	Working Plan & Research (WP & R) Wing	4.13	101

# CONTENTS

Chapter	Contents	Para No	Page No.
<b>CHAPTER V</b>	<b>FINANCE</b>		<b>107-117</b>
	Revenue and Expenditure	5.1	107
	Works done for other Departments / Agency	5.2	117
<b>CHAPTER VI</b>	<b>INFRASTRUCTURE</b>		<b>118-121</b>
	Roads	6.1	118
	Buildings	6.2	118
	Vehicles	6.3	119
	Arms & Ammunitions	6.4	121
<b>CHAPTER VII</b>	<b>DEPARTMENTAL PUBLICATIONS</b>		<b>122-125</b>
	Publication	7.1	122
	Surveys	7.2	123
	Social Media Management	7.3	124
<b>CHAPTER VIII</b>	<b>EVENTS</b>		<b>126-130</b>
	State - Level Events	8.1	126
	Sports Meet	8.2	128
	Seminars, Conferences & Workshops	8.3	129
	Exhibitions	8.4	130
<b>CHAPTER IX</b>	<b>IMPLEMENTATION OF RTI</b>		<b>131-135</b>
<b>CHAPTER X</b>	<b>INTERNAL CONTROL SYSTEM</b>		<b>136-138</b>
	Details of Staff exclusively designated for Conducting Internal Audit	10.1	136
	Internal Audit	10.2	136
<b>CHAPTER XI</b>	<b>MISCELLANEOUS</b>		<b>139-152</b>
	Implementation of Official Language	11.1	139
	Grievance Redressal Cell	11.2	140
	The scheduled tribes and other traditional forest dwellers (Recognition of Forest Rights) Act, 2006	11.3	140
	Progress in Computerization and Implementation of E-office	11.4	142
	Innovative Programmes Implemented by the department	11.5	143
	Highlights of the Activities of Kerala Forest Department during the Covid 19 – Lockdown Period during 2019-20	11.6	147
	Vanika - An Initiative of support to the Livelihood of Tribal in Lockdown period	11.7	149
	Flood 2019	11.8	151

# List of Tables

Table	Contents	Page No.
Table 1	Before independence, the forests of Kerala were governed under three different administrative regions namely	1
Table 2	Details of National Parks and Wildlife Sanctuaries	8
Table 3	Distribution of Forest Area and their Legal Status	21
Table 4	Circle and Division wise Forest Area (km <sup>2</sup> )	22
Table 5	Organisational Structure during 2019-20	25
Table 6	Officers in charge of the various wings during 2019-20	31
Table 7	Circles/Divisions/Ranges under the Department	38
Table 8	Organisational Structure of the Forest Circles	39
Table 9	Staff Strength during 2019-20	51
Table 10	Recruitments during 2019-20	55
Table 11	Retirements during 2019-20	56
Table 12	Major Development Schemes of the Department	58
Table 13	Ongoing projects under NABARD - RIDF	62
Table 14	Plantations raised during 2019-20	63
Table 15	Forest Area according to utilization as on 31.03.2020	63
Table 16	Species wise extent of Plantation Area as on 31.03.2020	64
Table 17	Outturn of Timber as on 31.3.2020	64
Table 18	Non-Wood Forest Produce (NWFP) as on 31.3.2020	67
Table 19	Human- Animal Conflicts during 2019-20	70
Table 20	Preventive Structures Constructed to Mitigate HWC during 2019-20	71
Table 21	Compensation paid to victims of attack by Wild Animals during 2019-20	71
Table 22	Estimated Tiger population in Kerala	72
Table 23	Estimated Population of Nilgiri Tahr for the Last Ten Years	73
Table 24	List of Elephant Corridors	73
Table 25	Rapid Response Team	74
Table 26	Number of Captive Elephants during 2019 - 20	76
Table 27	Division wise Location of Vanasree Eco-shop	79
Table 28	Demarcation of Forest Boundaries as on 31.03.2020	83
Table 29	Forest Land Leased out to various Agencies	84
Table 30	Encroachment of Forest Land as on 31.03.2020	85
Table 31	Participants in the various Training Programmes	90

## LIST OF TABLES

Table	Contents	Page No.
Table 32	Distribution of Seedlings during 2019-20	91
Table 33	Amount of Incentives	92
Table 34	Forest Land Diverted under FCA 1980 during 2019-20	93
Table 35	CAMPA- Target and Achievement upto 2019-20	95
Table 36	Contrabands Seized by Forest Intelligence Cell during 2019-20	97
Table 37	Petitions/Irregularities enquired by Vigilance Wing during 2019-20	100
Table 38	Status of Working Plans as on 31.03.2019	103
Table 39	Teak Seed Production Areas details (TSPA) as on 31.03.2019	105
Table 40	Comparative position of Revenue and Expenditure 2018-19 and 2019-20	107
Table 41	Revenue from Timber and other Forest Produce	107
Table 42	Outlay and Expenditure (Rs. in crores)	109
Table 43	Targets and Achievement during XIII Five Year Plan (Rs. in Crores)	109
Table 44	Achievements on Plan Schemes (Financial) during 2019-20	110
Table 45	Achievements on Non-plan Schemes (Financial) during 2019-20	114
Table 46	Expenditure on funds received directly from the Govt. of India	117
Table 47	Roads that are maintained as on 31.03.2020	118
Table 48	Buildings as on 31.03.2020	119
Table 49	Vehicles as on 31.03.2020	119
Table 50	Vehicles purchased and disposed during the year 2019-20	121
Table 51	Arms & Ammunition as on 31.03.2019	121
Table 52	Name and Address of state public information officers and Appellate authorities under Right to Information	131
Table 53	Suo Motu disclosure under Section 4 (1) (b)	134
Table 54	Designation of public Information Officers /Appellate authorities	134
Table 55	Disposal of Information requested by Public Information Officers	134
Table 56	Number of Information request rejected by Public Information Officers	134
Table 57	Disposal of first appeals by Designated Appellate Officers	135
Table 58	Penalties imposed and collected	135
Table 59	Disciplinary action taken against officers in respect of administration of RTI Act	135
Table 60	Summary costs, fees and charges collected by Public Authorities	135
Table 61	Status of Internal Audit paras and compliances 2019-20	136
Table 62	Extent of use of the official language	139
Table 63	Details of Grievance Redressal cell as on 31.03.2020	140
Table 64	The Status of Implementation of RTS Act in 2019-20	142
Table 65	Details of Damages and Loss sustained on account of rains and floods-2019	152



# ABBREVIATIONS

1	AA	Administrative Assistant
2	ABP	Agasthyavanam Biological Park
3	ACF	Assistant Conservator of Forests
4	AD	Assistant Director
5	Admin	Administration
6	APCCF	Additional Principal Chief Conservator of Forests
7	AP0	Annual Plan of Operations
8	BDC	Bio - Diversity Cell
9	BFO	Beat Forest Officer
10	CAMPA	Compensatory Afforestation Fund Management and Planning Authority
11	CASFOS	Central Academy for State Forest Service
12	C&AG	Comptroller and Auditor General
13	CC	Central Circle
14	CCF	Chief Conservator of Forests
15	CF	Conservator of Forests
16	CFVO	Chief Forest Veterinary Officer
17	CHR	Cardamom Hill Reserve
18	CR	Critically Endangered
19	CSS	Centrally Sponsored Scheme
20	CWW	Chief Wildlife Warden
21	DBMS	Database Management System
22	DCF	Deputy Conservator of Forests
23	DD	Deputy Director
24	D FO	Divisional Forest Officer
25	DLC	District Level Committee
26	Dy RFO	Deputy Range Forest Officer
28	EAP	Externally Aided Project
29	EC	Eastern Circle

## ABBREVIATIONS

30	ED & TW	Eco - Development & Tribal Welfare
31	EDC	Eco Development Committees
32	EFL	Ecologically Fragile Lands
33	EMF	Eco - system Management Fund
34	EO	Estate Officer
35	F & WLD	Forest & Wildlife Department
36	FB & A	Finance Budget & Audit
37	FDA	Forest Development Agency
38	FD(PT)	Field Director (Project Tiger)
39	FDT	Forest Development Tax
40	FHQ	Forest Head quarters
41	FIB	Forestry Information Bureau
42	FLR	Forest, Land & Resources
43	FM	Forest Management
44	FMIS	Forest Management Information System
45	FPMS	Forest Fire Prevention & Management Scheme
46	FR	Forest Resource
47	FRSC	Forest Resource Survey Cell
48	FS	Forest Station
49	FT	Forest Tribunal
50	FTC	Fire Training Centre
51	FTI	Forest Training Institute
52	FVO	Forest Veterinary Officer
53	GHG	Green House Gases
54	GIM	Green India Mission
55	GIS	Geo-Information System
56	HoFF	Head of Forest Force
57	HRC	High Range Circle
58	IA	Internal Audit
59	ICT	Information & Communication Technology
60	I & E	Inspection & Evaluation
61	IFGTB	Institute of Forest Genetics & Tree Breeding

## ABBREVIATIONS

62	IFM	Intensification of Forest Management
63	IFS	Indian Forest Service
64	IHRD	Infrastructure & Human Resource Development
65	IPC	Industrial Plantation Circle
66	IT	Information Technology
67	IUCN	International Union for Conservation of Nature
68	JICA	Japan International Co-operation Agency
69	JS	Joint Secretary
70	KDH	Kannan Devan Hills
71	KFD	Kerala Forest Department
72	KFRI	Kerala Forest Research Institute
73	KFSC	Kerala Forest Seed Centre
74	KSDI	Kerala Spatial Database Infrastructure
75	KSIDC	Kerala State Industrial Development Corporation
76	KSWIFT	Kerala Single Window Interface for Fast and Transparent Clearance
77	LAR	Local Audit Report
78	LO	Liaison Officer
79	MFP	Minor Forest Produce
80	MoEFCC	Ministry of Environment, Forest & Climate Change
81	MSP	Minimum Support Price
82	NABARD	National Bank for Agriculture & Rural Development
83	NC	Northern Circle
84	NR	Northern Region
85	NSC	Nature Study Centre
86	NTCA	National Tiger Conservation Authority
87	NWFP	Non - Wood Forest Produce
88	PA	Protected Area
89	PAC	Public Accounts Committee
90	PE	Periyar East
91	PCCF	Principal Chief Conservator of Forests
92	PFM	Participatory Forest Management
93	PRF	Proposed Reserve Forest
94	PRO	Public Relations Officer
95	RF	Reserved Forest

## ABBREVIATIONS

96	RFO	Range Forest Officer
97	RFPF	River Forest Protection Fund
98	RIDF	Rural Infrastructure Development Fund
99	RRT	Rapid Response Team
100	SAMETI	State Agricultural Management & Extension Training Institute
101	SA & NO	Special Afforestation & Nodal Officer
102	SC	Southern Circle
103	SF	Social Forestry
104	SFDA	State Forest Development Agency
105	SFO	Section Forest Officer
106	SFTI	State Forest Training Institute
107	SIP	Special Investigation & Protection
108	SPARK	Service & Payroll Administrative Repository for Kerala
109	SPMU	State Project Monitoring Unit
110	SPV	Special Purpose Vehicle
111	SR	Southern Region
112	Sr. AA	Senior Administrative Assistant
113	Sr.AO	Senior Administrative Officer
114	Sr.FO	Senior Finance Officer
115	SS	Senior Superintendent
116	STP	State Training Policy
117	TA	Technical Assistant
118	T & E	Training & Evaluation
119	TBGRI	Tropical Botanical Garden and Research Institute
120	TRIFED	Tribal Co-operative Marketing Development Federation of India Ltd
121	TS	Timber Sales
122	TSPA	Teak Seed Production Areas
123	V&FI	Vigilance & Forest Intelligence
124	VF	Vested Forest
125	VSS	Vana Samrakshana Samithy
126	WBI	Wood-Based Industries
127	WLS	Wild Life Sanctury
128	WLD	Wild Life Divisions
129	WLW	Wild Life Warden
130	WP & R	Working Plan and Research

# CHAPTER 1

## HISTORY AND EVOLUTION OF FOREST MANAGEMENT IN KERALA

### 1.1 EVOLUTION OF THE KERALA FOREST DEPARTMENT

Beginning with the British legacy of colonial forest administration, centered around forest protection and revenue generation, the Kerala Forest Department has come a long way in response to changing forest policies, management priorities and demands on the forests.

During the British and the Princely State's era, the entire western coast of Kerala had a luxuriant stretch 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 coastline had dense forest cover. The people of that time had, for religious or other reasons, protected and conserved these forests in its pristine glory.

Thus, till the independence of our nation in 1947 and subsequent amalgamation of the Princely States, more than 75% of the geographical area of the State was under dense forest cover. But, after independence, by the early 1950s, encroachments in the forest areas had begun to take place and the trend continued till the 1960s and early 1970s, reducing the extent of forests considerably.

### 1.2 KERALA FOREST GOVERNANCE BEFORE INDEPENDENCE

Table 1 Before independence, the forests of Kerala were governed under three different administrative regions namely

Sl.No.	Area	Administrative Control	Laws in place
1	Malabar	British Rule	Madras Forest Act, 1882
2	Cochin State	King of Cochin	Cochin Forest Regulation Act, 1905
3	Travancore State	King of Travancore	Travancore Forest Act, 1887

### **1.3 KERALA FOREST GOVERNANCE POST-INDEPENDENCE**

- When Travancore and Cochin States were re-organised on the 1 July 1949, the Forest Department had eight Forest Divisions, viz; Thiruvananthapuram, Kollam, Shencotta (now in Tamil Nadu), Konni, Kottayam, Malayattur, Chalakkudy and Thrissur.
- In 1950, these Divisions were brought under two Territorial Circles with their headquarters at Kollam and Thrissur.
- With the merger of the erstwhile Princely States of Travancore, Cochin and Malabar (originally a part of the Madras Presidency), in terms of the States Reorganisation Act 1956, Forest Department was also reorganised into three Territorial Circles, viz; Kollam, Chalakkudy and Kozhikode, respectively.
- These three circles had fourteen Forest Divisions, viz; Thiruvananthapuram, Thenmala, Punalur, Konni and Ranni under Kollam Circle, Kottayam, Malayatur, Chalakkudy and Thrissur under Chalakkudy Circle and Nenmara, Palakkad, Nilambur, Kozhikode and 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.

### **1.4 KERALA FOREST GOVERNANCE POST-1988**

A paradigm shift has occurred in the National Forest Policy of 1988 and the new policy aspires to conserve the forests of India and its rich bio-diversity, with the participation of the people living in and around the forests, through Participatory Forest Management (PFM) while maintaining ecological integrity.

### **1.5 EXPANSION OF THE DEPARTMENT**

- In 1960, a new Development Circle with Headquarters at Thrissur was formed with five newly created Special Divisions namely, Teak Plantation Division-Parambikulam, Liaison Division - Sungam, Grassland Afforestation Division Pamba (Peerumedu), Hydel Division - Kottayam and Tramway Division - Chalakkudy.
- In 1961, the Kerala Forest School (now renamed as the State Forest Training Institute, SFTI) at Walayar in Palakkad district was established under the Development Circle.

- Again, during 1964-65, 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 with the objective of raising large-scale economically valuable plantations of Teak and others species, after removing less valuable heterogeneous miscellaneous forest growth.
- 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 the Government under the Kerala Private Forests (Vesting and Assignment) 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.
- In 1972, the Department had three Territorial Circles i.e., Southern, Central, and Northern and five Functional Circles, i.e. (i) Working Plan and Research (WP and 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.

- 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 their headquarters at Thiruvananthapuram, Punalur, Perumbavoor and Kozhikode in December 1977 under the respective Territorial Circles for marketing 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 Rose wood 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.
- On 15.04.1980, Mankulam Special Division was formed for the protection of 22253 acres of land which was resumed under the Kannan Devan Hills (KDH) (Resumption of Lands) Act, and was handed over by the Revenue Department to the Forest Department. The entire land so received from the Revenue Department and managed thereafter in Mankulam Division, was notified under Section 4 of the Kerala Forest Act, 1961 as Reserved Forests, vide G.O (Rt) No. 384/2007/F and WLD, dated: 24.05.2006.
- Due to the reorganization 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 circle wing by the name of High Range Circle (HRC) was formed, with headquarters at Kottayam, while abolishing the IPC.
- Thus Kottayam, Kothamangalam, Munnar and Mankulam Territorial Divisions were brought under the HRC while Thrissur, Chalakkudy, Vazhachal and Malayattur Territorial Divisions were retained under the Central Circle, Thrissur.
- 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, vide G.O (Ms) No. 121/89/F and WLD, dated: 26.12.1989.



- This reorganization was done for better administrative convenience and forest protection by consolidating the compact areas of Divisions and Ranges as administrative units in order to bring their boundaries corresponding to the district/taluk boundaries.
- 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 reorganized into Kozhikode, Wayanad (North), Wayanad (South) and Kannur Divisions, all with territorial status, to have compact areas of administrative units with the objective of having the Division and Range boundaries in consonance with District and Taluk boundaries, respectively.
- Consequent to the reorganization 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 reorganized. The Northern Circle with headquarters at Kozhikode has jurisdiction over Kozhikode, Wayanad South, Wayanad North and Kannur Territorial Divisions. The headquarters of the circle was shifted to Kannur from 01.06.2003 vide G.O(Rt) No.170/2002 dt.15.06.2002.
- The newly formed Eastern Circle with headquarters at Olavakkode (Palakkad) having Palakkad, Nenmara, Mannarkkad, Nilambur (North) and Nilambur (South) Territorial Divisions under its jurisdiction.
- To control the rampant smuggling of valuable timber and other forest produce to the neighbouring Tirunellveli district of Tamil Nadu across the southern State borders of Kerala, a new Territorial Forest Division with headquarters at Achenkovil, was formed with effect from 01.07.1993 comprising Achenkovil, Kallar and Kanayar Ranges.

Simultaneously, the existing Kallar Valley Teak Plantations Special Division was abolished.

- Similarly, in view of the large-scale illicit felling and removal of the rare and endangered Sandal wood trees and consequent depletion of the stock in the Sandal reserves of Marayoor, Kanthalloor and Munnar areas, a 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 Kanthalloor and Vannanthura Forest Stations, were added to Marayoor Sandal Division.
- Marayoor Sandalwood Depot had been an integral part of the Munnar Forest Division under the Range Office, Marayoor till 08.06.2005. The activities at the Depot included collection, receipt, storage and processing of 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 was brought under the Division.
- A new Divisional Forest Office with headquarters at Kasaragod was established vide G.O (Ms)No.22/2012/F and WLD, dated: 27.03.2012.

**Thus by 2007, the Kerala Forest 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 and 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
5. **Northern Circle** with Kozhikode, Wayanad (North), Wayanad (South), Kannur, Kasargod Division and Kozhikode (TS) Division.

### **1.5.1 Formation of Social Forestry Wing**

The Social Forestry wing was formed during the year 1982, to implement the World Bank aided Social Forestry Project in the state. The goal of the World Bank Project was to enhance forest cover outside the forest areas and utilizing people centric models for a wider outreach. The project components were supply of seedlings to farmers, raising plantations along roadsides, railway lines, canal banks, community lands, institutional premises, public lands etc., carrying out extension activities and imparting necessary trainings to the farmers to adopt Agro-Forestry models.

- 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) was created for the purpose.
- Each Social Forestry Division had Range Offices at the Taluk level.
- Social Forestry Circle Offices headed by Conservators of Forests (CF), at Kollam and Kozhikode were formed during the year 1984 and the Circle Office at Ernakulam came into existence in 1994.
- The district level Social Forestry Divisions of Thiruvananthapuram, Kollam, Pathanamthitta, Alappuzha and Kottayam fall under the Kollam Circle. Similarly, Idukki, Ernakulam, Thrissur and Palakkad fall under the Ernakulam Circle and Malappuram, Kozhikode, Wayanad, Kannur and Kasaragod fall under the Kozhikode Social Forestry Circle.

### **1.5.2 Formation of Wildlife Wing**

Wildlife Wing of KFD 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 the Government of India vide its letter No.6- 14/82/FRY(WL), dated: 23.09.1982. In the said letter, the Government of India had directed all states to constitute a separate Wildlife Wing for the scientific management of Sanctuaries and National Parks in the country. The Chief Conservator of Forests and Chief Wildlife Warden (CWW) as the head of Wildlife Wing began functioning in 1985 to ensure scientific and sustainable management of Protected Areas.

As on 31.03.2019, the Kerala Forest Department has 6 National Parks and 17 Wildlife Sanctuaries and one Community Reserve working harmoniously towards its goal.

Table 2 - Details of National Parks and Wildlife Sanctuaries

Sl No.	Name	Area (km <sup>2</sup> )	Year of formation
<b>National Parks</b>			
1	Eravikulam National Park	97.000	1978
2	Periyar National Park	*350.00	1982
3	Silent Valley National Park	**237.520	1984
4	Anamudi Shola National Park	7.500	2003
5	Mathikettan National Park	12.817	2003
6	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 WLS (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	*****166.82	1984
10	Chinnar WLS	90.440	1984
11	Chimmony WLS	85.000	1984
12	Aralam WLS	55.000	1984
13	Mangalavanam Bird Sanctuary	0.027	2004

Sl No.	Name	Area (km <sup>2</sup> )	Year of formation
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
18	Karimpuzha WLS	227.97	2019
<b>Community Reserve</b>			
1	Kadalundy –Vallikunnu Community Reserve	1.500	2007
	<b>TOTAL</b>	<b>3437.027</b>	

\* Includes Periyar National Park (350 Sq.km) Is included in Periyar Wildlife Sanctuary  
\*\* 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(252.77km<sup>2</sup>).  
\*\*\*\*\* These areas are under the administrative control of Divisional Forest Officer, Kozhikode  
\*\*\*\*\* GPS surveyed area excluding estates/enclosures, pending govt. notification.

- In 1978, a separate Field Directorate with headquarters at Kottayam, headed by a Conservator of Forests, was created for the implementation of the Project Tiger.
- Subsequently, 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 the ABP project with an outlay of 5 crore rupees for the afforestation, eco-restoration, conservation of wildlife and promotion of wildlife tourism in degraded forests of Thiruvananthapuram Forest Division.
- Thiruvananthapuram and Shendurney Wildlife Divisions (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, the post of 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 its 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.
- Thus by 2007, the Wildlife Wing had its Field Directorates at Kottayam with Periyar (East), Periyar (West), Munnar and Idukki WLDs and Palakkad Wildlife Circle with Peechi, Silent Valley, Aralam, Parambikulam and Wayanad WLDs and ABP Circle with Thiruvananthapuram and Shendurney WLDs.

### **1.5.3 Formation of Vigilance and Evaluation Wing**

For co-ordination and systematic evaluation of forestry programmes of the Department and for timely detection and prevention of illicit collection and transport of forest produce, a Forest Vigilance and Evaluation Wing headed by 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 and 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.

### **1.5.4 Formation of Working Plan and Research (WP & R) Wing**

Till 1967, preparation of Working Plans was undertaken under the directions 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, three more Working Plan Divisions were created each headed by Assistant Conservator of Forests (ACF) in view of the backlog of Working Plans preparation. The Kerala Forest School, Walayar functioning 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 functioning with effect from 27.05.1981 for clearing the backlog of untrained Beat Forest Officers, were also brought under the Working Plan and Research (WP and R) Circle with headquarters at Thiruvananthapuram.

Silvicultural Research had already commenced under the British era in the old Malabar area, which was a part of the former Madras Presidency in 1924. After independence, the Silvicultural Research Division was established in 1952 with headquarters at Kodanad in Travancore-Cochin State to perform adaptive Silvicultural research. It was subsequently shifted to Thrissur in 1958 and finally to Thiruvananthapuram in 1967. This Division was brought under the Working Plan and Research (WP and R) Circle. Till 1956, the Division was headed by the State Silviculturist as was the trend in the forest departments of 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. With the objective of collecting data on forest resources such as Bamboo, Reeds, Canes, Medicinal plants etc. on a continuing basis, a Forest Resources Survey Cell (FRSC) headed by an Assistant Conservator of Forests (ACF), based at Thrissur was created on 29.04.1981 under the Working Plan and Research Circle.

### **1.5.5 Formation of Infrastructure and Human Resource Development Wing**

In 1990-91, the Forest Schools were separated from the Working Plan and Research (WP and 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 and 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 were reconstituted as State Forest Training Institutes (SFTI) with effect from 07.09.2016 and are functioning under the control of APCCF (IHRD), Thiruvananthapuram.

#### **1.5.6 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.

#### **1.5.7 Forest Veterinary Unit**

The Forest veterinary unit was formed with office at Konni during 1979-80. The Forest Veterinary Officer (FVO) visits all the Elephant Camps periodically. His role is about reporting the health status of Elephants, helping DFOs in micro chipping the privately owned Elephants, their treatment and post-mortem formalities. The FVO visits the animal rescue centers and oversees the upkeep of animals. He also attends to the veterinary matters pertaining to the animals in the wild. A full-fledged Forest Veterinary Unit was formed as per GO (Ms) No.12/2017/Forest, dtd.20.03.2017, by creation of posts of a Chief Forest Veterinary Officer and 12 Assistant Forest Veterinary Officers.

#### **1.5.8 Mini Forest Survey Unit**

The Mini Forest Survey Unit was established on 28.07.1982 with its headquarters at Kozhikode and an Assistant Director, as its head. The unit is responsible for attending to works of survey of new forest boundaries, re-fixation of



old Reserved Forest boundaries, re-fixation of hillmen 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.

#### **1.5.9 Forest Station System**

The Forest Station System is the first of its kind in the country, and was introduced by the Kerala Forest Department in 1988, based on the model of Police Stations to replace the Beat-Section System. This system was aimed at delivering a more effective forest protection in the field while utilizing the collective strength of staff. Simultaneously, it also aimed to provide security to the forest protective staff against organized gangs of smugglers. 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, 124 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.

#### **1.5.10 Special Forest Courts**

Special Forest Courts at Manjeri, Punalur, Thodupuzha and Judicial. First Class Magistrate Court, Nedumangad were established 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 final disposal that resulted in the field staff facing practical difficulties in protection related issues.

#### **1.5.11 The Forest Tribunal**

The Forest Tribunal was established in the year 1973 as per Section 7 of the Kerala Private Forest (Vesting and Assignment) Act, 1971 vide G.O (Ms) No. 354/73/AD, dated: 22.10.1973. Since the District Courts are barred from entertaining any petition under the Act, petitioners have to approach the Forest Tribunal first. The Tribunal is an independent entity under the administrative control of Forest and Wildlife Department as per G.O (Ms) No. 45/02 / F and WLD, dated:13.08.2002.

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. 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.

## **1.6 AUTONOMOUS BODIES UNDER THE KERALA FOREST DEPARTMENT**

### **(i) State Forest Development Agency (SFDA)**

The State Forest Development Agency, Kerala is a Society registered under the Travancore-Cochin Literary, Scientific and Charitable Societies Registration Act, 1955 and constituted vide GO(Ms) No.23/2010/F&WLD dated 21-05-2010. The Society is functioning under the Eco-development & Tribal Welfare Wing of Kerala Forest Department at the Forest Headquarters without having a separate establishment. The SFDA is the apex body of 50 Forest Development Agencies (FDA) stretched throughout the State. FDAs are the federation of 590 Vana Samrakshana Samithies (VSSs)/ Eco-development Committees (EDCs) and Grama Haritha Samithies functioning at the grass root level which are functioning as per the principles of Participatory Forest Management (PFM).

### **(ii) Forest Development Agency (FDA)**

Forest Development Agency (FDA) is the federation of Vana Samrakshana Samithies/Eco Development Committee at Forest Division level. Each FDA is registered under Travancore Cochin-Literary, Scientific and Charitable Societies Registration Act 1955. Presently there are 50 FDAs functioning in the State. The Forest Development Agencies (FDAs) are implementing various State and Centrally Sponsored Schemes through PFM.

### **(iii) Tiger Conservation Foundations**

- Periyar Tiger Conservation Foundation (PTCF)

As per GO(MS) No. 73/2013/F&WLD datwed 04.07.2012, Periyar Foundation has been renamed as Periyar Tiger Conservation Foundation. The function of the same is to facilitate and support Periyar Tiger Reserve Management in Bio-diversity Conservation with focus on Tiger and Prey species of tiger and to take initiatives in Ecodevelopment through multi-stakeholders participation and to support similar initiatives in adjoining landscapes consistent with the National and State legislations.

- Parambikulam Tiger Conservation Foundation (PaTCoF)

Parambikulam Tiger Conservation Foundation (PaTCoF), is a non-profit organisation that works under the Parambikulam Tiger Reserve (PKMTR) administration primarily to serve as a vehicle for supporting forests and wildlife conservation activities as well as to empower local dependant tribal communities. As per Section 38 X of Wild Life (Protection) Act, 1972, PaTCoF was registered by the Board of Trustees under the Charitable and Religious Trust Act, 1920 on 6th January 2014 as per the provisions and in observance of the procedures laid down in Notification No. S.O.1008 (E) dated 22.06.2007 of Ministry of Environment and Forests, Government of India.

#### **(iv) Kerala Forest Development Corporation (KFDC)**

As per the National Agricultural Policy 1975 Forest Development Corporations are constituted in all the States. As per the Government Order vide G.O.Ms.82/73/Ad dated 14.03.1973 Government have decided in principle to set up a Forest Corporation in Kerala with a view to ensuring the efficient management of Industrial plantations in the State and the supply of Forest raw material to industries

Accordingly vide Government vide G.O.Ms.35574/Agri. Dated, Trivandrum, 31.12.1974 accord sanction for the formation of Kerala Forest Development Corporation Ltd. The registered office of the Corporation will be at Kottayam. Kerala Forest Development Corporation Ltd. (KFDC Ltd.) a public sector undertaking incorporated in 1975 as a joint venture Company of Central and State Government. The State Government holding 90% of the share of the Company and the Balance 10% share vested with the Central Government.

### **1.7 MAJOR MILESTONES**

- 1956 Establishment of a Development Circle at Forest Headquarters
- 1957 Establishment of 3 Circles (Kollam, Chalakkudy, Kozhikode) and 14 Divisions
- 1961 Establishment of a Development Circle at Thrissur for Teak and Eucalyptus plantations in five Divisions under third Five- Year Plan.
- 1961 Kerala Forest Act
- 1961 Kerala Forest School established at Walayar
- 1966 Indian Forest Service revived.

- 1971 Kerala Private Forests (Vesting and Assignment) Act 1971
- 1971 Kannan Devan Hills Resumption of Lands Act
- 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 and Technology
- 1978 Project Tiger Circle formed with Headquarters at Kottayam
- 1980 Forest (Conservation) Act 1980
- 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 As per directions of Ministry of Environment and Forests in Government of India, the wildlife wing was constituted
- 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 and Management of Ecological Fragile Lands) Ordinance came into being
- 2002 Forest Management Information System (FMIS)Wing established
- 2003 IHRD Wing established

2005	EFL Wing Established
2005	Kerala Forest (Vesting and Management of Ecological Fragile Lands) Act came into being
2005	Kerala Promotion of Tree Growth in Non Forest Areas Act was promulgated
2008	State Forest Policy
2008	Head of KFD was designated as Principal Chief Conservator of Forests and Head of Forest Force.
2010	Establishment of National Green Tribunal
2011	Formation of t Rapid Response Team
2012	Kerala Captive Elephants (Management and Maintenance) Rules 2012
2014	Implementation of e-auction
2018	E-Data base for Captive Elephant
2018	Implementation of online booking for Eco-Tourism Centers

## 1.8 VISION, MISSION AND OBJECTIVES

Forest is a multiuse, multi stakeholder natural resources to be managed as a public trust for the benefit of the present as well as the future generations. Accordingly, the Kerala Forest Department has the following mission, vision and objectives.

### **Vision**

- Well managed forests that anchor ecological and socio-economic security.

### **Mission**

- Conserve forests for provisioning ecosystem goods and services flow to forest dependent community and to the society, without compromising the ecological integrity of the landscape.

### **Objectives**

- To scientifically manage the forests by adopting the ecosystem approach so that the ecosystem goods and services from the forests flow to the society for posterity.

- To improve the hydrological functions of forests catchments so that forests provide optimum water resources to society.
- To conserve the rich biodiversity in forests and support community to conserve biodiversity outside the forest areas.
- To manage forests on participatory and inclusive principles so that the livelihood needs of forest dependent communities are fulfilled through the prudent management of Non Timber Forest Produce (NTFP).
- To sensitise the public on the need for conserving our forests through community based, low impact, ecotourism initiatives that support the livelihoods of the forest dependent communities.
- To enhance social and cultural values of forests.
- To increase the productivity of forests and plantations.
- To popularize tree planting among the public so as to effectively address the negative effects of global warming.
- To improve the knowledge support system on forest management through relevant and appropriate research and capacity development program.
- To function as the readily accessible arm of the Government in the remote and inaccessible areas within /along the periphery of the forests.

## **1.9 STATUTORY AND NON-STATUTORY FUNCTIONS**

- ▶ To conserve and expand unique and complex natural forests of Kerala for posterity, particularly with regards to water, biodiversity, 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 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 runoff.

## **1.10 MAJOR ACTS AND RULES IMPLEMENTED BY THE DEPARTMENT**

### **Major Acts**

- Indian Forest Act, 1927
- The Cattle Trespass Act, 1961
- The Wild Life (Protection) Act, 1972
- The Forest (Conservation) Act, 1980
- The Environment (Protection) Act, 1986
- The Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006
- The Kerala Forest Act, 1961
- Kerala Private Forests (Vesting and Assignment) Act, 1971
- The Kerala Grants and Leases (Modification of Rights) Act, 1980
- The Kerala Preservation of Trees Act, 1986
- The Kerala Essential Articles Control Act, 1986
- The Kerala Forest (Vesting and Management of Ecologically Fragile Lands) Act, 2003
- The Kerala (Promotion of Tree Growth in Non Forest Land Areas) Act, 2005

## Major Rules

- The Environment (Protection) Rules, 1986
- The Wild Life (Protection) Rules, 1995
- The Forest (Conservation) Rules, 2003
- The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Rule, 2007
- The Kerala Cattle Trespass Rules, 1962
- The Kerala Rules for Payment of Compensation to Victims of Attacks by Wild Animals, 1980
- The Kerala Forest Development Fund Rules, 1989
- The Kerala Forests Resources Development Fund Rules, 1989
- The Kerala Grants and Leases (Modification of Rights) Rules, 1990
- The Kerala Forest (Prohibition of felling of trees standing on land temporarily or permanently assigned) Rules, 1995
- The Kerala Forest (Vesting and 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 and Other wood based Industrial Units) Rules, 2012
- The Kerala Forest (Restriction on Cutting and Selling of Sandal Trees and Grant of License for Possession and Transport of Sandal Wood and sandal Wood Oil) Rules, 2012.
- Kerala Captive Elephants (Management and Maintenance) Rules, 2012.

### 1.11 CONSTITUTION OF STATE FORESTS

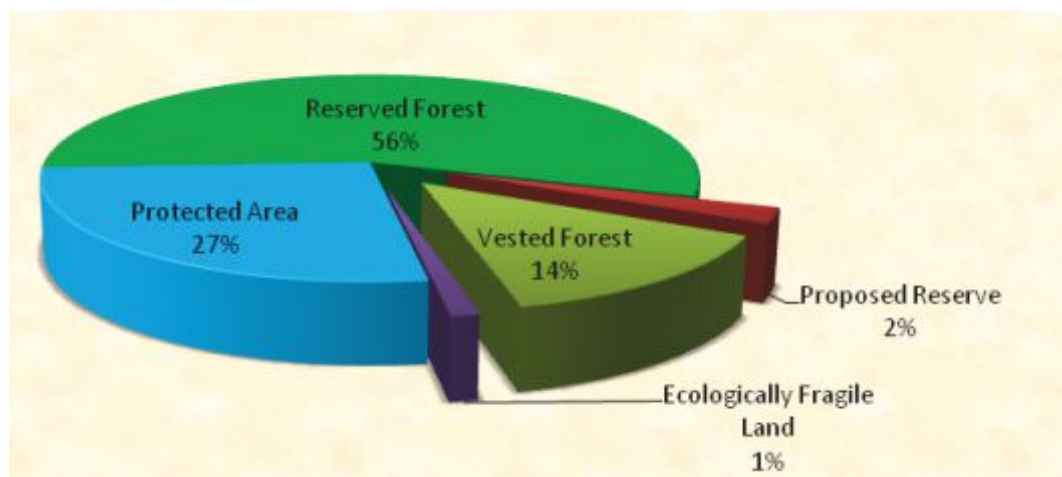
The forest area under the administrative charge of Kerala Forest Department is 11521.993 km<sup>2</sup> at the close of the year 2019-20 and forms 29.65% of the total geographical area of the State (38863km<sup>2</sup>) as against the National average of 23.24%. The per capita forest land of the State as per 2011 Census is 0.035 Ha. The total plantation area is 1563.16 km<sup>2</sup> which accounts 13.57% of the total forest area.



Table 3 - Distribution of Forest Area and their Legal Status

Type of Forests	Extent in km <sup>2</sup>
Reserved Forest (RF)	6450.839
Proposed Reserve (Prop. RF)	279.495
Vested Forest (VF)	1589.478
Ecologically Fragile Land (EFL)	135.997
Protected Area	3066.184
<b>Total Forest Area</b>	<b>11521.993</b>

### LEGAL STATUS-WISE DISTRIBUTION OF FOREST AREA OF KERALA



Circle and Division wise distribution of forest area (km<sup>2</sup>) according to legal status as on 31.03.2020 is given below.

Table 4 - Circle and Division wise Forest Area (km<sup>2</sup>)

Sl No	Divisions	RF	PRF	VF	EFL	PA	Total
<b>I. Southern Circle, Kollam</b>							
1	Thiruvananthapuram	359.124	5.825	0.376	7.169	0.000	372.494
2	Thenmala	140.753	0.000	7.736	0.455	0.000	148.944
3	Achencovil	284.330	0.000	0.208	1.331	0.000	285.869
4	Ranni	902.329	7.225	1.568	0.000	0.000	911.122
5	Punalur	275.381	0.000	0.169	0.157	0.000	275.707
6	Konni	320.553	11.102	3.012	0.000	0.000	334.667
<b>Total</b>		<b>2282.470</b>	<b>24.152</b>	<b>13.069</b>	<b>9.112</b>	<b>0.000</b>	<b>2328.803</b>
<b>II. High Range Circle, Kottayam</b>							
7	Kottayam *	627.286	1.069	31.967	2.666	0.000	662.988
8	Kothamangalam	316.840	0.000	0.158	0.000	0.000	316.998
9	Munnar **	693.535	69.095	2.575	5.148	0.000	770.353
10	Mankulam	0.000	90.057	0.000	0.000	0.000	90.057
11	Marayoor	14.375	47.260	0.076	2.465	0.000	64.176
<b>Total</b>		<b>1652.036</b>	<b>207.481</b>	<b>34.776</b>	<b>10.279</b>	<b>0.000</b>	<b>1904.572</b>
<b>III. Central Circle, Thrissur</b>							
12	Vazhachal	353.414	0.000	0.000	0.000	0.000	353.414
13	Chalakudy	237.470	0.000	0.000	0.040	0.000	237.510
14	Malayattoor	609.725	0.556	0.000	0.000	0.000	610.281
15	Thrissur	207.007	0.034	4.314	0.739	0.000	212.094
<b>Total</b>		<b>1407.616</b>	<b>0.590</b>	<b>4.314</b>	<b>0.779</b>	<b>0.000</b>	<b>1413.299</b>
<b>IV. Eastern Circle, Palakkad</b>							
16	Mannarkkad	150.732	0.000	271.697	7.250	0.000	429.679
17	Nilambur North	58.393	0.252	371.720	9.622	0.000	439.987
18	Nilambur South	56.509	0.000	40.505	3.009	227.970	327.993

Sl No	Divisions	RF	PRF	VF	EFL	PA	Total
19	Palakkad	73.410	0.000	160.553	29.843	0.000	263.806
20	Nenmara	205.517	0.038	141.778	9.586	0.000	356.919
<b>Total</b>		<b>544.561</b>	<b>0.290</b>	<b>986.253</b>	<b>59.310</b>	<b>227.970</b>	<b>1818.384</b>
<b>V. Northern Circle, Kannur</b>							
21	Kozhikkode	6.215	26.070	187.274	16.020	74.426	310.005
22	Wayanad North	134.058	15.107	65.852	9.082	0.000	224.099
23	Wayanad South	67.679	3.774	203.273	20.502	0.000	295.228
24	Kannur	93.361	0.000	60.380	4.91	0.000	158.651
25	Kasaragode	86.023	1.921	30.061	4.905	0.000	122.910
<b>Total</b>		<b>387.336</b>	<b>46.872</b>	<b>546.840</b>	<b>55.419</b>	<b>74.426</b>	<b>1110.892</b>
<b>VI. Wildlife Circle, Agasthyavanam Biological Park</b>							
26	Thiruvananthapuram WL	30.980	0.000	0.000	0.000	181.000	211.980
27	Shenduruney	0.833	0.000	4.226	0.354	166.820	172.233
<b>Total</b>		<b>31.813</b>	<b>0.000</b>	<b>4.226</b>	<b>0.354</b>	<b>347.820</b>	<b>384.213</b>
<b>VII. Wildlife Circle, Field Director Project Tiger, Kottayam</b>							
28	Periyar East (Thekkad)	0.000	0.000	0.000	0.675	709.000	709.675
29	Periyar West (Peerumedu)	0.000	0.000	0.000	0.000	216.000	216.000
30	Munnar WL	0.000	0.000	0.000	0.000	241.077	241.077
31	Idukki WL	35.524	0.000	0.000	0.000	95.000	130.524
<b>Total</b>		<b>35.524</b>	<b>0.000</b>	<b>0.000</b>	<b>0.675</b>	<b>1261.077</b>	<b>1297.276</b>
<b>VII. Wildlife Circle, Palakkad</b>							
32	Parambikulam	102.770	0.000	0.000	0.000	274.130	376.900
33	Wayanad WL	0.000	0.039	0.000	0.052	344.443	344.534
34	Silent Valley	0.000	0.000	0.000	0.000	237.491	237.491
35	Peechi	0.067	0.000	0.000	0.017	213.420	213.504
36	Aralam	0.000	0.000	0.000	0.000	85.380	85.380
<b>Total</b>		<b>102.837</b>	<b>0.039</b>	<b>0.000</b>	<b>0.069</b>	<b>1154.864</b>	<b>1257.809</b>

Sl No	Divisions	RF	PRF	VF	EFL	PA	Total
<b>Other Divisions having Forest Area</b>							
37	TS Perumbavoor	0.284	0.031	0.000	0.000	0.000	0.315
38	TS Kozhikode	0.202	0.000	0.000	0.000	0.000	0.202
39	NSC Kalady	6.161	0.040	0.000	0.000	0.000	6.201
40	Mangalavanm BS	0.000	0.000	0.000	0.000	0.027	0.027
<b>TOTAL</b>		<b>6.647</b>	<b>0.071</b>	<b>0.000</b>	<b>0.000</b>	<b>0.027</b>	<b>6.745</b>
<b>GRAND TOTAL</b>		<b>6450.839</b>	<b>279.495</b>	<b>1589.478</b>	<b>135.997</b>	<b>3066.184</b>	<b>11521.993</b>

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

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

## CHAPTER 2

### ORGANISATIONAL SETUP

#### 2.1 ORGANISATIONAL STRUCTURE OF THE DEPARTMENT

During the year 2019-20, the Department was headed by Shri, P.K. Kesavan IFS, the Principal Chief Conservator of Forests & Head of Forest Force (PCCF & HoFF). The Principal Chief Conservator of Forests & Head of Forest Force is the Chief Advisor to the State Government on all forestry matters and is responsible for the overall implementation of various developmental schemes and protection of forest resources in the state. The other Principal Chief Conservators of Forests, Additional Principal Chief Conservators of Forests and Chief Conservators of Forests assist the Principal Chief Conservator of Forests & Head of Forest Force in the day-to-day management of the Department and for the implementation of various activities and projects.

The Organisational structure of the Department is as follows:

Table 5 - Organizational structure during 2019-20

Offices	Officers
Office of the Principal Chief Conservator of Forests & Head of the Forest Force	Principal Chief Conservator of Forests (Wildlife) and Chief Wildlife Warden
	Principal Chief Conservator of Forests (Planning & Development)
	Principal Chief Conservator of Forests(Forest Management)
	Addl. Principal Chief Conservator of Forests (Social Forestry)'
	Addl. Principal Chief Conservator of Forests (Vigilance and Forest Intelligence)
	Addl. Principal Chief Conservator of Forests (Administration)
	Addl. Principal Chief Conservator of Forests (Forest land & Resources) Kozhikode.
	Addl. Principal Chief Conservator of Forests & Chief Executive Officer CAMPA
	Chief Conservator of Forests (Information Technology)
	Conservator of Forests and TA to PCCF and HoFF
	Joint Secretary, Law Wing

Offices	Officers
Office of the Principal Chief Conservator of Forests (Wildlife) and Chief Wildlife Warden	<p>CF (Agasthyavanam Biological Park) Thiruvananthapuram</p> <ul style="list-style-type: none"> <li>● Wildlife Warden, Thiruvananthapuram</li> <li>● Wildlife Warden, Shendurney</li> </ul> <p>Field Director (Project Tiger), Kottayam</p> <ul style="list-style-type: none"> <li>● Wildlife Warden, Munnar</li> <li>● Wildlife Warden, Idukki</li> <li>● Deputy Director (Periyar Tiger Reserve) East, Thekkady</li> <li>● Deputy Director (Periyar Tiger Reserve) West, Peeramedu</li> </ul> <p>Chief Conservator of Forests (Wildlife), Palakkad</p> <ul style="list-style-type: none"> <li>● Wildlife Warden, Aralam</li> <li>● Wildlife Warden, Wayanad</li> <li>● Wildlife Warden, Silent Valley</li> <li>● Deputy Director, Parambikulam Tiger Reserve</li> <li>● Wildlife Warden, Peechi</li> </ul> <p>CF and TA to PCCF(Wildlife)and CWW</p> <p>Chief Forest Veterinary Officer</p> <p>DCF(Wildlife)</p> <p>ACF (Project Elephant)</p> <p>ACF(BDC)</p>
Office of the Principal Chief Conservator of Forests (Planning & Development)	<p>APCCF (Finance, Budget and Audit)</p> <ul style="list-style-type: none"> <li>● DCF (Development)</li> <li>● ACF (Planning)</li> <li>● Senior Finance Officer</li> <li>● Deputy Director (Statistics)</li> </ul> <p>APCCF (Social Forestry)</p> <p>Director of Forestry Information Bureau(FIB)</p> <p>CCF(WP&amp;R)</p> <ul style="list-style-type: none"> <li>● Working Plan Officer, Kollam</li> <li>● Working Plan Officer, Punalur</li> <li>● Working Plan Officer, Achencovil</li> <li>● Working Plan Officer, Munnar</li> </ul>

Offices	Officers
	<ul style="list-style-type: none"> <li>● Working Plan Officer, Palakkad</li> <li>● Working Plan Officer, Kozhikode</li> <li>● Research North, Thrissur.</li> <li>● Research North 1 and Special Officer Zoological Park, Thrissur</li> <li>● DCF, Research South, Thiruvananthapuram</li> <li>● DCF, Research South 1, Thiruvananthapuram</li> <li>● DCF, Working Plan South, Kollam</li> <li>● DCF, Working Plan Central, Thrissur</li> <li>● DCF, Working Plan North, Kozhikode</li> <li>● ACF, FRS Cell, Thrissur</li> </ul>
Office of the Principal Chief Conservator of Forests (Forest Management) & Nodal Officer	<p>CF (SA&amp;NO)</p> <p>CCF(Eco Development and Tribal Welfare)</p> <ul style="list-style-type: none"> <li>● DCF (E &amp;TW)</li> <li>● ACF (Participatory Forest Management)</li> </ul> <p>CF and TA to PCCF(FM)</p> <ul style="list-style-type: none"> <li>● DCF (Protection)</li> <li>● DCF (Forest Resources)</li> </ul> <p>CCF (Southern Circle), Kollam</p> <ul style="list-style-type: none"> <li>● DFO, Ranni</li> <li>● DFO, Konni</li> <li>● DFO, Achenkovil</li> <li>● DFO, Punalur</li> <li>● DFO, Thenmala</li> <li>● DFO, Thiruvananthapuram</li> <li>● DFO, Timber Sales, Punalur</li> <li>● DFO, Timber Sales, Thiruvananthapuram</li> </ul> <p>CCF (High Range Circle), Kottayam</p> <ul style="list-style-type: none"> <li>● DFO, Kothamangalam</li> <li>● DFO, Munnar</li> </ul>

Offices	Officers
	<ul style="list-style-type: none"> <li>● DFO, Mankulam</li> <li>● DFO, Kottayam</li> <li>● DFO, Marayoor Sandal Division, Marayoor</li> <li>● DFO, Timber Sales, Kottayam</li> </ul> <p>CCF (Central Circle), Thrissur</p> <ul style="list-style-type: none"> <li>● DFO, Thrissur</li> <li>● DFO, Chalakkudy</li> <li>● DFO, Vazhachal</li> <li>● DFO, Malayattoor</li> <li>● DFO, Timber Sales, Perumbavoor</li> <li>● CCF (Eastern Circle), Palakkad</li> <li>● DFO, Nilambur North</li> <li>● DFO, Nilambur South</li> <li>● DFO, Mannarkkad</li> <li>● DFO, Palakkad</li> <li>● DFO, Nemmara</li> <li>● DFO, Timber Sales, Palakkad</li> </ul> <p>CCF (Northen Circle), Kannur</p> <ul style="list-style-type: none"> <li>● DFO, Kannur</li> <li>● DFO, Wayanad North</li> <li>● DFO, Wayanad South</li> <li>● DFO, Kozhikkode</li> <li>● DFO, Kasargode</li> <li>● DFO, Timber Sales, Kozhikkode.</li> </ul>
Office of the Addl. Principal Chief Conservator of Forests (Social Forestry) and custodian EFL	<p>CF (SF) Southern Region, Kollam</p> <ul style="list-style-type: none"> <li>● ACF (SF), Thiruvananthapuram</li> <li>● ACF (SF), Kollam</li> <li>● ACF (SF), Alappuzha</li> <li>● ACF (SF), Pathanamthitta</li> <li>● ACF (SF), Kottayam</li> <li>● ACF (SF) Extension, Kollam</li> </ul>



Offices	Officers
	<p>CF(SF) Central Region, Ernakulam</p> <ul style="list-style-type: none"> <li>● ACF (SF),Palakkad</li> <li>● ACF (SF),Thrissur</li> <li>● ACF (SF),Ernakulam</li> <li>● ACF (SF), Idikki</li> <li>● ACF (SF),Extension, Ernakulam</li> <li>● ACF,NSC, Kalady</li> </ul> <p>CF (SF) Northern Region, Kozhikode</p> <ul style="list-style-type: none"> <li>● ACF (SF),Kozhikode</li> <li>● ACF (SF),Kasaragod</li> <li>● ACF (SF),Kannur</li> <li>● ACF (SF),Wayanad</li> <li>● ACF (SF),Malappuram</li> <li>● ACF(SF) Extension, Kozhikode</li> </ul> <p>DCF (Social Forestry)</p> <p>ACF (Social Forestry)</p> <p>ACF-ACM Unit</p>
Office of the Addl. Principal Chief Conservator of Forests (Vigilance & Forest Intelligence)	<p>CF (Inspection and Evaluation),Kottayam</p> <ul style="list-style-type: none"> <li>● DFO, Flying Squad, Thiruvananthapuram</li> <li>● DFO, Flying Squad, Punalur</li> <li>● DFO, Flying Squad, Kothamangalam</li> <li>● DFO, Flying Squad, Idikki</li> </ul> <p>CF (Inspection and` Evaluation),Kozhikode</p> <ul style="list-style-type: none"> <li>● DFO, Flying Squad, Ernakulam</li> <li>● DFO, Flying Squad, Palakkad</li> <li>● DFO, Flying Squad, Kozhikode</li> <li>● DFO, Flying Squad, Kannur</li> </ul> <p>ACF (Vigilance1)</p> <p>AIC ACF (Intelligence)</p> <p>ACF (Vigilance 3)</p> <p>ACF (Vigilance 4)</p>

Offices	Officers
Office of the Addl. Principal Chief Conservator of Forests (Administration)	<p>CF(HRD)</p> <ul style="list-style-type: none"> <li>● DCF (HRD)</li> <li>● ACF and TA to CF(HRD)</li> <li>● Director, State Forest Training Institute, Walayar</li> <li>● Deputy Director, State Forest Training Institute, Walayar</li> <li>● Director, State Forest Training Institute, Arippa</li> <li>● Deputy Director, State Forest Training Institute, Arippa</li> <li>● ACF, Fire Training Centre, Arippa</li> </ul> <p>DCF(Administration)</p> <p>ACF(Administration)</p> <p>SeniorAdministrative Officer</p> <p>ACF (Estate Officer)</p>
Chief Executive Officer, CAMPA	<ul style="list-style-type: none"> <li>● ACF(CAMPA)</li> </ul>
Special Afforestation	<p>CF (SA)</p> <ul style="list-style-type: none"> <li>● ACF (SA)</li> </ul>
Office of the Chief Conservator of Forests (Information Technology)	<ul style="list-style-type: none"> <li>● ACF(IT)</li> <li>● ACF(GIS)</li> </ul>
Office of the Addl. Principal Chief Conservator of Forest (Forest land and Resources) Kozhikode	<ul style="list-style-type: none"> <li>● ACF (TA)</li> <li>● Assistant Director, Forest Mini Survey, Kozhikode.</li> </ul>

**Table 6 - Officers in charge of the various wings during 2019- 20**

Sl. No.	Office/Wing	Name	Designation	Period		Remarks
				From	To	
Headquarters wings						
1.	Principal Chief Conservator of Forests(HoFF)	Shri.P.K.Kesavan IFS	Principal Chief Conservator of Forests (Head of Forest Force)	01.03.2018 - Continuing		
2.	Wildlife	Shri.Surendra Kumar IFS	Principal Chief Conservator of Forests (Wildlife) and Chief Wildlife Warden	24.12.2018 - Continuing		
3.	Forest Management	Sri.A.K.Dharni IFS	Principal Chief Conservator of forests (Forest Management)	28.10.2017 - 31.07.2019		
		Sri.Devendra Kumar Verma IFS		31.07.2019 - 08.08.2019		
		Sri.Bennichan Thomas IFS		08.08.2019 - Continuing		
4.	Vigilance and Forest Intelligence	Sri.A.K.Dharni IFS	Principal Chief Conservator of Forests (Vigilance)	01.08.2017 - 31.07.2019		PCCF (V) re-designated as PCCF (P&D) vide Govt.order 4671/19/GAD dtd. 06.08.19
		Sri.Devendra Kumar Verma IFS		31.07.2019 - 07.08.2019		
5.	Planning and Development	Sri.Devendra Kumar Verma IFS	Principal Chief Conservator of Forests (Planning and Development)	07.08.2019 - Continuing		
6.	Forest, Land and Resources	Sri. Bennichan Thomas IFS	Principal Chief Conservator of Forests (Forest, Land and Resources) Spl. Afforestation and Nodal Officer			Discontinued the post from 31.07.2019 vide GO(RT) 4671/19/GAD dtd 06.08.2019

Sl. No.	Office/Wing	Name	Designation	Period		Remarks
				From - To		
7.	Administration	Sri.K.A.Mohammed Noushad IFS	Additional Principal Chief Conservator of Forests (Administration)	16.09.2018 to 30.04.2019		Addl.Charge
		Sri.Anirud Kumar Dharni IFS		30.04.2019 to 31.07.2019		Addl.Charge
		Sri.Devendra Kumar Verma IFS		31.07.2019 to 21.10.2019		Addl.Charge
		Sri. Pramod G Krishnan IFS		21.10.2019 to 21.12.2019		Addl.Charge
		Sri. Deepak Mishra IFS		21.12.2019 to 01.01.2020		
		Sri. Rajesh Ravindran IFS		01.01.2020 to Continuing		
8.	Finance Budget and Audit	Sri.S.Gopalakrishnan IFS	Additional Principal Chief Conservator of Forests	07.03.2019 to 31.03.2020		
9.	Forest, Land and Resources & Custodian of Ecologically Fragile Land	Sri. E. Pradeep Kumar IFS	Additional Principal Chief Conservator of Forests (Forest, Land and Resources)	25.03.2019 to 07.08.2019		
				07.08.2019 to 04.01.2020		Addl.Charge
10	Forest, Land and Resources, Kozhikode	Sri.Deepak Mishra IFS	Additional Principal Chief Conservator of Forests (Forest, Land and Resources) Kozhikkode	04.01.2020 to Continuing		Addl.Charge (Post of APCCF (FLR) FHQ shifted to KKD vide GO(Ms)33/19/F&WLD dtd. 26.12.19
11	Vigilance and Forest Intelligence	Sri.A.K.Dharni IFS	Additional Principal Chief Conservator of Forests (Forest Intelligence)	01.04.2018 to 30.07.2019		Addl.Charge
		Sri.D.K. Verma IFS		30.07.2019 to 09.08.2019		Addl.Charge
		Sri. V. V. Shajimon IFS		09.08.2019 to Continuing		

Sl. No.	Office/Wing	Name	Designation	Period		Remarks
				From - To		
12.	Infrastructure & Human Resource Development	Sri. V. V. Shajimon IFS	Additional Principal Chief Conservator of Forests (HRD)	07.03.2019 to 09.08.2019		Re-designated as APCCF (SF)
	Human Resource Development	Khyati Mathur IFS	Conservator of Forests (HRD)	10.08.2019 to Continuing		
13	Social Forestry	Sri.E.Pradeep Kumar IFS	Additional Principal Chief Conservator of Forests (SF)	07.08.2019 to Continuing		
14	Information Technology	Dr.P.Pugazhendhi IFS	Chief Conservator of Forests (Information Technology)	11.03.2019 to Continuing		Addl. charge
15	Eco-Development and Tribal Welfare	Smt. PadmaMahanti IFS	Conservator of Forests and Technical Assistant to Chief Wildlife Warden (Eco-Development and Tribal Welfare)	1.1.2019 to Continuing		
16	Working Plan and Research	Sri. G.Phanindrakumar Rao IFS	Chief Conservator of Forests (Working Plan and Research)	01.04.2019 to 18.09.2019		
		Sri.Pramod G Krishnan IFS		18.09.2019 to Continuing		
Regions						
1	Regional North, Kozhikode	Sri. Rajesh Ravindran IFS	Additional Principal Chief conservator of Forests (Regional North), Kozhikode	23.03.2019 to 17.12.2019		Discontinued the post

Territorial Circle					
1.	Southern Circle Kollam	Sri. Vijayananthan. K IFS	Deputy Conservator of Forests in full charge of CCF (Southern Circle), Kollam	06.02.2019 to 31.03.2020	
2.	High Range Circle, Kottayam	Sri. Deepak Mishra IFS	Chief Conservator of Forests, High Range Circle, Kottayam	21.06.2017 to 26.10.2019	
		Sri. Georgi P Mathachen IFS	Deputy Conservator of Forests in full charge of Chief Conservator of Forests (HRC)	26.10.2019 to Continuing	
3.	Central Circle Thrissur	Sri. Rajesh Ravindran IFS	Chief Conservator of Forests (Central Circle), Thrissur	01.04.2017 to 01.01.2020	
4.	Eastern Circle Palakkad	Sri. Sheik Hyder Hussain IFS	Deputy Conservator of Forests in full charge of CCF (Eastern Circle), Palakkad	24.07.2018 to 31.05.2019	
		Sri. Anjan Kumar IFS	Deputy Conservator of Forests in f/c of Chief Conservator of Forests (WL)& FD, Palakkad	31.05.2020 to 02.07.2019	Additional charge
		Sri. Pramod P P IFS	Deputy Conservator of Forests in full charge	02.07.2019 - Continuing	

5.	Northern Circle Kannur	Sri. K. Karthikeyan IFS	DCF in full charge of CCF (Northern Circle) Kannur.	20.07.2018 to 31.03.2020	
<b>Wildlife Circle</b>					
1.	Wildlife Palakkad	Sri.B.N.Anjan Kumar IFS	Deputy Conservator of Forests in full charge of CCF (Wildlife)Palakkad	21.05.2018 to 31.03.2020	
2.	Field Director (ProjectTiger), Kottayam	Sri.Georgi P Mathachen IFS	Deputy Conservator of Forests in full charge of Field Director (Project Tiger), Kottayam Conservator of Forests in full charge of CCF (HRC) Holding full additional charge of CCF (WL) & FD, Kottayam	15.12.2018 to 26.10.2019  26.10.2019 to 08.11.2019	Additional Charge
		Sri. Anoop K R IFS	Conservator of Forests in f/c of Conservator of Forests Field Director (Project Tiger), Kottayam	08.11.2019 to Continuing	
3.	Agasthyavanam Biological Park, Thiruvananthapuram	Sri. Anoop K R IFS  Sri. J Devaprasad	CF (Wildlife) looking after Agasthyavanam Biological Park  Deputy Conservator of Forests in full charge of CF (Wildlife) looking after ABP circle	22.01.2019 to 07.11.2019  07.11.2019 to Continuing	

SOCIAL FORESTRY					
1.	Social Forestry (Southern Region), Kollam	M S Jayaraman IFS	Conservator of Forests (SF) Ernakulam	01.04.2018 to 31.05.2019	Additional charge
		C Rajendran IFS	Deputy Conservator of Forests (ET&W)	31.05.2019 to 04.07.2019	Additional charge
		N T Sajjan IFS	Deputy Conservator of Forests in f/c of Conservator of Forests (Social Forestry)Kollam	04.07.2019 to 14.08.2019	
		I Sidheeq IFS	Deputy Conservator of Forests in full charge of Conservator of Forests (Social Forestry)Kollam	16.08.2019 to continuing	
2.	Social Forestry (Central Region) Ernakulam	M S Jayaraman IFS	Conservator of Forests (Social Forestry) Ernakulam	20.12.2018 to 31.05.2019	
		Deepa K S IFS	Deputy Conservator of Forests (Research) North-1 Thrissur	31.05.2019 to 02.07.2019	Additional charge
		C Meenakshi IFS	Deputy Conservator of Forests in full charge of Conservator of Forests (Social Forestry) Ernakulam.	02.07.2019 to continuing	



3.	Social Forestry Kozhikode	C Meenakshi IFS	Deputy Conservator of Forests in full charge of Conservator of Forests (Social Forestry) Kozhikkode	23.02.2018 to 18.07.2019	
		N T Sajan IFS	Deputy Conservator of Forests in full charge of Conservator of Forests (Social Forestry) Kozhikkode	17.08.2019 to continuing	
<b>INSPECTION &amp; EVALUATION CIRCLES</b>					
1.	Conservator of Forests (Inspection and Evaluation) Kottayam	I Sidheeq IFS	Deputy Conservator of Forests in f/c of Conservator of Forests (Inspection and Evaluation) Kottayam	04.08.2018 to 14.08.2019	
		P V Madhusoodhanan IFS	Deputy Conservator of Forests in f/c of Conservator of Forests (Inspection and Evaluation) Kottayam	29.08.2019 to 31.03.2020	
2.	Conservator of Forests (Inspection and Evaluation Circles), Kozhikode	R Adalarasan IFS	Deputy Conservator of Forests in f/c of Conservator of Forests (Inspection and Evaluation) Kozhikkode	26.12.2018 to continuing	

## 2.2 FOREST CIRCLE

For the general management and administration of the forests of the State, there are 11 Forest Circles (Territorial: 5, Wildlife: 3 and Social Forestry: 3) headed by officers of and above the rank of Conservator of Forests. Circles are comprised of Forest Divisions and divisions are headed by a Divisional Forest Officer (DFO). The Forest Divisions are comprised of Forest Ranges and the 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.

Table 7 - Circles/Divisions/Ranges under the Department.

Category	Circles	Divisions	Ranges
Territorial	5	25	81***
Timber Sales (functional)		6	28 Timber Depot including Mullumala (Annex)
Wildlife	3	11	31****
Social Forestry	3	17*	32
Nature Study Centre		1	
Working Plan and Research	1	9**	15
Vigilance and Forest Intelligence	2	8	18
Training	1	2	
<b>Total</b>	<b>15</b>	<b>79</b>	<b>205</b>

\* 3 of which are Social Forestry Extensions

\*\* 2 of which are Research Divisions

\*\*\*8 of which are Territorial functional units

\*\*\*\*4 of which are Wildlife functional units

Table 8 - Organisational Structure of the Forest Circles

<b>Territorial Circle</b>	<b>Territorial Divisions</b>	<b>Functional</b>
1. Southern Circle, Kollam	<ol style="list-style-type: none"> <li>1. Thiruvananthapuram</li> <li>2. Thenmala</li> <li>3. Punalur</li> <li>4. Achencovil</li> <li>5. Konni</li> <li>6. Ranni</li> </ol>	<p>Timber Sales Division, Thiruvananthapuram</p> <ol style="list-style-type: none"> <li>1. Ariankavu Depot</li> <li>2. Kulathupuzha Depot</li> <li>3. Thenmala Depot</li> <li>4. Achencovil Depot</li> <li>5. Mullumala Depot (Annex) Timber Sales Division, Punalur</li> <li>6. Areekakkavu Depot</li> <li>7. Konni Depot</li> <li>8. Pathanapuram Depot</li> <li>9. Tuet Depot</li> <li>10. Kadakkamon Depot</li> <li>11. Veeyapuram Depot</li> </ol>
2. High Range Circle, Kottayam	<ol style="list-style-type: none"> <li>1. Kottayam</li> <li>2. Kothamangalam</li> <li>3. Mankulam</li> <li>4. Munnar</li> <li>5. Marayoor</li> </ol>	<p>Timber Sales Division, Kottayam</p> <ol style="list-style-type: none"> <li>12. Kothamangalam</li> <li>13. Thalakkode Depot</li> <li>14. Vettikkad Depot</li> <li>15. Parampuzha Depot</li> </ol>
3. Central Circle, Thrissur	<ol style="list-style-type: none"> <li>1. Malayattoor</li> <li>2. Vazhachal</li> <li>3. Chalakudy</li> <li>4. Thrissur</li> </ol>	<p>Timber Sales Division, Perumbavoor</p> <ol style="list-style-type: none"> <li>16. Chalakkudy Depot</li> <li>17. Chettikulam Depot</li> <li>18. Mudickal Depot</li> <li>19. Varapuzha Depot</li> <li>20. Veettoor Depot</li> </ol>
4. Eastern Circle, Palakkad	<ol style="list-style-type: none"> <li>1. Nilambur South</li> <li>2. Nilambur North</li> <li>3. Palakkad</li> <li>4. Mannarkkad</li> <li>5. Nemmara</li> </ol>	<p>Timber Sales Division, Palakkad</p> <ol style="list-style-type: none"> <li>21. Nedunkayam Depot</li> <li>22. Aruvakode Depot</li> <li>23. Walayar Depot</li> </ol>

Territorial Circle	Territorial Divisions	Functional	
5. Northern Circle, Kannur	1. Kozhikode 2. Wayanad South 3. Wayanad North 4. Kannur 5. Kasaragod	Timber Sales Division, Kozhikode 24. Chaliyam Depot 25. Kuppady Depot 26. Bavely Depot 27. Kannavam Depot 28. Parappa Depot	
Wildlife Circle		Wildlife Divisions	
1. Agasthyavanam Biological Park, Thiruvananthapuram	1. Shenduruney		
	2. Thiruvananthapuram		
2. Field Director, (Project Tiger) Kottayam	1. Periyar East 2. Periyar West 3. Idukki 4. Eravikulam		
3. Wildlife Circle, Palakkad	1. Peechi 2. Silent Valley 3. Parambikulam 4. Aralam 5. Wayanadu		
Working Plan and Research		Research Divisions	
Thiruvananthapuram	1. Research (South) Thiruvananthapuram	1. Kollam 2. Punalur 3. Achencoil	
	2. Research (North), Trissur	4. Munnar 5. Palakkad 6. Kozhikode 7. Forest Resources Survey Cell, Thrissur	
Social Forestry Circle		Social Forestry Divisions	SF Extensions
Social Forestry, Southern Region, Kollam		1. Thiruvananthapuram 2. Kollam 3. Pathanamthitta 4. Alappuzha 5. Kottayam	SF Extension, Kollam

Social Forestry Circle	Social Forestry Divisions	SF Extensions
Social Forestry, Central Region, Ernakulam	1. Idukki	SF Extension, Ernakulam
	2. (a) Ernakulam	
	(b) Nature Study Centre (NSC), Kalady.	
	3. Thrissur	
	4. Palakkad	
Social Forestry, Northern Region, Kozhikkode	1. Malappuram	SF Extension, Kozhikkode
	2. Kozhikode	
	3. Wayanad	
	4. Kannur	
	5. Kasaragod	
Vigilance Circle	Divisions	Flying Squad Ranges
Inspection and Evaluation, Kottayam	1. Thiruvananthapuram	1. Chullimanoor 2. Control Room, Thiruvananthapuram
	2. Punalur	3. Ranni 4. Punalur
	3. Kothamangalam	5. Munnar 6. Thodupuzha 7. Kothamangalam
	4. Idukki	8. Idukki 9. Mundakkayam
Inspection and Evaluation, Kozhikode	1. Ernakulam	10. Thrissur 11. Perumbavoor
	2. Palakkad	12. Palakkad 13. Nelliampathi
	3. Kozhikode	14. Kozhikode 15. Kalpatta 16. Nilambur
	4. Kannur	17. Kasargod 18. Kannur

Training	Institutions
<p>Infrastructure and Human Resource Development</p> <p>Forest Training Centre, PTP Nagar, Thiruvananthapuram</p>	<p>1. State Forest Training Institute, Walayar</p> <p>2. State Forest Training Institute, Aripa</p>

Division and Range wise details of forest stations Annexure 1. (a)

Division wise number of Range offices and check posts is given in Annexure 1 (b). Email address and phone/fax numbers of officers are in Annexure 2.

Name and addresses of SPIOs and Appellate Authorities under RTI Act 3 Organization chart of the department is given as Annexure-4

## 2.3 MAIN FUNCTIONS OF VARIOUS WINGS OF THE DEPARTMENT

The functions of various wings of the Department are summarized below

### 2.3.1 Administration Wing

The Additional Principal Chief Conservator of Forests (Administration) through the wing is responsible for general administration within the Forest Department. The Administration wing looks after all the service matters such as recruitment, appointment, promotion, transfer and postings, disciplinary action, pension, payment of traveling allowances, medical claims, loans and advances for the staff/officers of Kerala State Forest Service, Kerala State Forest Subordinate Service, Last Grade and Part-Time Contingent Services. Service matters of special category of personnel like Wildlife Assistants / Deputy Director of Wildlife Education and officers and staff on deputation to the Forest Department (except for Indian Forest Officers on deputation to and from KFD) are also dealt by the Administration wing.

### 2.3.2 Planning & Development Wing

The development wing of the department is mandated with the task of looking after the implementation of all developmental projects/works of various wings in different areas that are funded by the State as well as Central Governments.

The wing is headed by Principal Chief Conservator of Forests (Planning and Development) who is assisted by the Additional Principal Chief Conservator of Forests (F, B & A).

The office of the APCCF (F, B & A) is assisted by three major sections, viz; Planning,

Accounts and Statistics Wing. The Planning wing takes care of five year plans and annual plans, demand for funds and budgetary allocation to various units within the department. The Accounts wing deals with accounts/reports submission to the Accountant General and Comptroller & Auditor General of Kerala. The Statistics wing is headed by the 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. At the headquarters, information thus collected is processed 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 for both plan and non-plan of various schemes implemented by the Department. The wing furnishes statistical reports to different agencies of Government of India and State Government. So far, annual reports up to the year 2018-19 have been prepared by the Statistical wing.

### **2.3.3 Eco Development & Tribal Welfare Wing**

The major function of the E&TW wing is to undertake programs for the welfare and development of the Forest-dwelling Scheduled Tribes. In addition to that, the ecotourism activity, PFM insurance, Ecosystem Management Funds, etc are also some of the key roles anchored by the E&TW wing of the department.

### **2.3.4 Ecologically Fragile Land (EFL) Wing**

The Kerala Forest (Vesting and Management of Ecologically Fragile Lands) Act, 2003 is an Act which provide for vesting the Ecologically Fragile lands in the State with the Government of Kerala. 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 on 23.11.2005 and a Chief Conservator of Forests was posted as the Custodian of EFL. At present Principal Chief Conservator of Forests is the Custodian of Ecologically Fragile Lands.

The wing is responsible for the management of vested and EFL forest lands for maintaining ecological balance and conserving biodiversity.

### **2.3.5 Forestry Information Bureau (FIB)**

Forestry Information Bureau is the public relations and extension arm of the

Department. The Bureau also undertakes works like printing and publishing of booklets and pamphlets covering various activities of the Department, arranging for wide publicity in connection with World Forestry Day, World Earth Day, World Environment Day, Wildlife Week etc., FIB is also mandated with the task of 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.

### **2.3.6 Forest Management Wing**

The Forest, Land and Resources (F, L & R) wing maintains statistics on forest land, prepares and submits proposals for declaration of new reserves, implements restoration of vested forests to owners based on Court judgments, prepares proposals for acquisition of land etc. This wing mainly deals with the protection of forest wealth by ensuring effective and efficient implementation of various Acts and Rules other than those within the purview of Wild Life (Protection) Act and the Kerala Forest (Vesting and Management of Ecologically Fragile Lands) Acts, 2003 and Acts specifically dealt by other Chief Conservators of Forests. Matters relating to Forest Leases, Vested Forests, Forest Produce except Non-Wood Forest Produce (NWFPs), 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.

### **2.3.7 Information Technology Wing**

The IT Wing is mandated with the task of facilitating flow of information within KFD units, creating efficient tools for strategic planning and building capacity of the KFD employees for effective utilization of information technology. The major functions of the wing include Computerization of the activities of the KFD, Procurement of hardware and software for the KFD, Development and management of Geographic information system for the use of KFD, Hosting, managing and maintaining website of the KFD, Organizing trainings related to IT Applications and GIS etc. The wing is also responsible for implementation of various e-Governance initiatives like e-tendering, e-Office, digital service delivery etc.

### **2.3.8 Infrastructure and Human Resource Development Wing**

The Training Wing in the Department was created during 1990 for training the Department personnel, in order to improve their efficiency. The IHRD wing is



involved in providing induction and refresher training to the frontline staff as well as officers of the Kerala Forest Department in the various training Institutes functioning under the KFD as well as Government of Kerala. It also looks after skill upgradation and capacity building of the ministerial staff and other cadres of employees of the department in addition to providing linkages for in-service compulsory trainings for SFS and IFS officers.

### **2.3.9 Social Forestry Wing**

The Social Forestry wing has the mandate to take up afforestation programmes outside the forests, with involvement of different sections of the society and implement them as a people's programme. Planting of trees along the railway line, roadsides, canal banks, revenue purambokes and Government institutions is usually undertaken for the purpose. Social Forestry wing raises seedlings of various species 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.

### **2.3.10 Special Afforestation Wing**

The Special Afforestation wing is involved in the implementation and monitoring of the Forest (Conservation) Act, 1980 in the state. The Nodal Officer deals with processing of forest clearance applications received for the use of forest land for non-forestry purposes in the light of Forest (Conservation) Act, 1980, corresponding guidelines of the Hon'ble Supreme Court and the Central Government directives on the same.

### **2.3.11 Vigilance Wing**

The vigilance wing functions independently. The Principal Chief Conservator of Forests (Vigilance & Forest Intelligence) is responsible to the HOFF only. In most of the cases Principal Chief Conservator of Forests (Vigilance & Forest Intelligence) submits the report direct to the Government with copy to HOFF. This is to point out that wing functions independently. For bonafide reasons the wing can inspect the office or works or documents or other aspect related with the working of Ranges, Divisions and Circles. However such actions are always done following strict code of contact.

The wing tries to dispose of complaints and petitions with in the shortest possible time. The working of divisions are regulated in such a way that at any given

point of time, the flying squad divisions may have on an average less than 10 pending petitions for enquiry. Normally the enquiry officer takes up the enquiry as soon as the complaint reaches and in most of the cases within a week itself.

Forest Intelligence Cell was established during 2001 under the control of Chief Conservator of Forests (Vigilance). One Range Forest Officer and 10 Beat Forest Officers perform undercover operations for intelligence gathering at various places in the State. Assistant Conservator of Forests, besides his regular duties in the office of Principal Chief Conservator of Forests (V&FI), supervises the Intelligence works of the Cell. The secret information collected by the Forest Intelligence Cell has resulted in detection of serious offences and arrest of accused, especially in wildlife crimes.

### **2.3.12 Wildlife Wing**

The main function of Wildlife Wing is the conservation of wildlife and bio-diversity in the State. The Wildlife Protection Act, 1972 governs the protected areas in the state. 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 6 National Parks, 17 Wildlife Sanctuaries (includes 2 Tiger Reserves, 2 Bird Sanctuaries, 1 Peafowl Sanctuary) and 1 Community Reserve.

As a result of a paradigm shift witnessed in the National Forest Policy – 1988, a larger emphasis was placed on conservation of all wilderness areas, natural forests, conservation of wildlife and bio-diversity. The constitution of Wildlife Wing and declaration of more Sanctuaries and National Parks are in line with the realization of this objective.

### **2.3.13 Working Plan and Research Wing**

Working Plan is the main document for guiding Forest Management strategy and is defined as a written scheme of management aiming at continuity of policy. This wing is 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.

## **2.4 Functions of the Autonomous Bodies under the Department**

### **2.4.1 State Forest Development Agency (SFDA)**

SFDA helps to find out better employment opportunities and improvement of livelihood to forest dependent communities especially tribals through implementing various Participatory Forest Management (PFM) programmes and aims at sustainable management of forest resources. SFDA provides technical and financial support to FDAs. SFDA also extends support to the members of VSS/EDC by providing education aid to their children, facilitating self-employment opportunities, job training to tribal youths, providing basic amenities to tribal colonies including alternative energy systems to sustain forest ecosystem etc.

The SFDA is the Nodal Agency for implementing Projects/ Schemes/ Programmes funded by Central and State Governments. Various schemes implemented through SFDA are:

- 1) National Afforestation Programme (60% CSS)
- 2) Green India Mission (60% CSS)
- 3) MSP for MFP funded by TRIFED (75% CSS)
- 4) VDVK funded by TRIFED (100% CSS)
- 5) National Medicinal Plants Board Schemes
- 6) Bamboo Mission Scheme
- 7) Projects of KIIFB
- 8) Ecotourism
- 9) Vanasree

### **2.4.2 Kerala Forest Development Corporation LTD (KFDC)**

A State owned public sector undertaking was set up on 24.01.1975 as an off-shoot of the forest department pursuant to the recommendations of the National Agricultural Commission's Report 1972 to mobilize institutional finance to establish large scale forest plantations over 80000 Ha for the development and establishment of wood based industries in the State.

The main objects of the KFDC are raising forest plantations of all species for the development of wood based industries in Kerala, raising cash crop plantations and management and maintenance of forest with a view to maximize the production of timber and other forest produces on a sustainable basis . Kerala Forest Development Corporation is one of the leading employer in the plantation sector in Kerala by providing direct and indirect employment to thousands of employees in its various plantations spreading all over Kerala in addition to the rehabilitation of Sreelankan Repatriates and other takeovers of Government of Kerala entrusted with KFDC.

Apart from the above listed objectives the Corporation ventured in the field of Eco tourism from the year 2001 starting from Gavi. Now it has Eco Tourism initiatives in Meesappulimala Munnar, Nelliampathy, Arippa and Wayanad as well.

### **2.4.3 Tiger Conservation Foundations**

#### **2.4.3.1 Periyar Tiger Conservation Foundation (PTCF)**

Periyar Tiger Reserve implemented People Participatory Forest management project supported by the World Bank which started during the financial year 1996-97 and continued for five years in the name of IEDP (India Eco development Project). The same project was also implemented in 6 other sites within India during the same period. Based on the success of the project in Thekkady and also based on the realisation that extension of the project will further contribute to implementation of better conservation measures, it was decided to extend the project for two more years which later ended in 2004 June 30th. During the project period, People Participatory Forest Management become more active and 72 Eco development Committees (EDCs) were formed.

Hence a trust was formed in the name Periyar Foundation as per the Government order G.O (MS) No. 36/2004/F&WLD dated 27-07-2004. The activities implemented through the trust named Periyar Foundation was highly appreciated which paved the way to many awards and recognitions. After the amendment of The Wildlife Protection Act, the institution named Periyar Foundation was reregistered as Periyar Tiger Conservation Foundation vide Government Order number G.O (MS) No 73/2012/F& FWD dated 04.07.2012.

#### **2.4.3.2 Parambikulam Tiger Conservation Foundation (PaTCoF)**

Parambikulam Tiger Conservation Foundation(PaTCoF)is a non-profit

organisation that works under the Parambikulam Tiger Reserve (PKMTR) administration primarily to serve as a vehicle for supporting forests and wildlife conservation activities as well as to empower local dependant tribal communities.

The Tiger Reserve is home to 6 Tribal Hamlets that's host close to 1300 denizens, the income derived from Eco-tourism and Eco-development activities of PaTCoF is the main source of income and livelihood to these communities. , as per Section 38 X of Wild Life (Protection) Act, 1972, PaTCoF was registered by the Board of Trustees under the Charitable and Religious Trust Act, 1920 on 6th January 2014 as per the provisions and in observance of the procedures laid down in Notification No. S.O.1008 (E) dated 22.06.2007 of Ministry of Environment and Forests, Government of India with the following objectives

- (a) To facilitate ecological, economic, social and cultural development in the tiger reserves;
- (b) To promote eco-tourism with the involvement of local stake-holder communities and provide support to safeguard the natural environment in the tiger reserves;
- (c) To facilitate the creation of and or maintenance of, such assets as may be necessary for fulfilling the above said objectives;
- (d) To solicit technical, financial, social, legal and other support required for the activities of the Foundation for achieving the above said objectives;
- (e) To augment and mobilize financial resources including recycling of entry and such other fees received in the tiger reserve, to foster stake-holder development and eco-tourism;
- (f) To support research, environmental education and training in the above related fields.

The Administrative Framework of **Periyar Tiger Conservation Foundation (PTCF) Parambikulam Tiger Conservation Foundation (PaTCoF)** encompasses a Governing Body for Policy based decisions and instructions and an Executive Committee to carry out routine activities. The Chairman of the Governing Body is Hon'ble Forest Minister.

## CHAPTER 3

### HUMAN RESOURCES

Over the last few decades, the Kerala Forest Department has evolved in response to the changes in the society governed by global and national trends. The Forest departments in all other states have also witnessed many changes in their working. To begin with a few, the introduction of Indian Forest Service as an All India Service in 1966, the nationalization of private forests in 1971 by the State Government of Kerala which added 1.83 lakhs hectare to the forest area of Kerala Forest Department, the enactment of Wildlife (Protection) Act, 1972 and so on. The ever increasing role of foresters in the management of myriad aspects of forestry and conservation of biodiversity brought about the necessary changes in the way the human resources of the department were recruited, inducted and trained for the job. When the KFD 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 was a felt need to increase the staff strength at various levels and strengthen the human resource of the department with a well trained work force that was professionally equipped to meet the new challenges.

Prior to 1961, the Section Forest Officers and Beat Forest Officers of the Kerala Forest Department were trained at Forest School Coimbatore. The Kerala Forest School at Walayar, near Palakkad was established in 1961 to train Section Forest Officers and Beat Forest Officers. Similarly, the Forest Rangers and the State Forest Service Officers (ACFs) are given Forestry Training at the Forest Ranger's Colleges and State Forest Service Colleges, under the Directorate of Forest Education, Dehra Dun. After technical training, the Range officers undergo one year practical training whereas the Assistant Conservators undergo 2-years Departmental training. The Indian Forest Service Officers (IFS) undergo 2- years Diploma Course in Forestry (Associate of Indian Forest College) at the Indira Gandhi National Forest Academy, Dehradun and 6 months Departmental training in the State to acquaint themselves with the working of the Departments of Forest, Revenue, Police, Judiciary and Industry and to study related aspects.

To improve their 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 own in 1984 and the fire training responsibilities were shifted to Forest Training Institute at Aripa. Similarly, to improve the working conditions of the organisation, and to enhance the efficiency and skills 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 handling, Finance Management, Information System and data entry for preparing accounts using FMIS software, Eco-Development, Geographic Information System, Digital Image Analysis.

### 3.1 STAFF STRENGTH

Table 9 - Staff Strength during 2019-20.

Sl No.	Category	Sanctioned Strength	In Position
1	Principal Chief Conservator of Forests*	4	4
2	Addl. Principal Chief Conservator of Forests*	5	5
3	Chief Conservator of Forests	11	10
4	Conservator of Forests	13	11
5	Dy. Conservator of Forests (IFS Cadre)	35	32
6	Addl Deputy Conservator of Forests	5	2
7	Forest Tribunal (Judicial staff)	1	1
8	Joint Secretary ( Law )	1	1
9	Senior Finance Officer	1	1
10	Senior Administrative Officer	1	1
11	Deputy Director (Statistics)	1	1
12	Deputy Director ( Wildlife Education)	3	3
13	Asst. Conservator of Forests/DCF(NC)	101	101
14	Sr. Administrative Assistant	9	7
15	Administrative Assistant	12	12
16	Personal Assistant	3	2
17	Senior Superintendent	34	34

Sl No.	Category	Sanctioned Strength	In Position
18	Range Forest Officer	205	201
19	Dy. Range Forest Officer	168	164
20	Public Relation Officer	1	1
21	Asst. Forest Public Relation Officer	3	3
22	Junior Superintendent	71	70
23	Head Accountant	74	73
24	Research Assistant**	3	4
25	Senior Grade Wildlife Assistant	2	1
26	Wildlife Assistant	8	7
27	Senior Clerk	443	433
28	Clerk	446	439
29	Statistical Assistant Gr. I and II	34	32
30	Fair copy Superintendent	8	7
31	Sel.Gr Typist	33	33
32	Sr. Grade Typist	33	20
33	Typist Clerk	1	0
34	UD Typist	33	33
35	LD Typist	34	34
36	Confidential Assistant	39	35
37	Legal Assistant	1	1
38	Section Officer(Law)	1	1
39	Chief Forest Veterinary Officer	1	1
40	Asst. Forest Veterinary Officer	14	8
41	Veterinary Doctor	1	0
42	Forest Veterinary Officer	1	1
43	Documentation Officer	1	0
44	Asst. Director (Survey)	1	1
45	Survey Superintendent	2	1
46	Surveyor Gr. I and II	66	37



SI No.	Category	Sanctioned Strength	In Position
47	Head Surveyor	2	2
48	Section Forest Officer	992	925
49	Beat Forest Officer	2647	2535
50	Sheristadar cum Secretary	1	1
51	Head Draftsman	2	2
52	Draftsman	45	31
53	Circle Inspector of Police	2	1
54	Sub Inspector of Police	4	0
55	Senior Civil Police Officer	22	3
56	Civil Police Officer	110	28
57	Librarian	1	1
58	Project Operator	1	0
59	Pharmacist	2	1
60	Dispensary Attender	1	0
61	Nursing Assistant	1	0
62	Binder	2	2
63	PT Instructor	6	1
64	Record cum Store Keeper	3	0
65	Museum Assistant	1	0
66	Office Attendant	420	406
67	Sweeper Cum Peon	1	1
68	Daffedar	1	0
69	Attender	18	18
70	Dark Room Attender	1	0
71	Driver	257	197
72	Photographer cum Artist	1	1
73	Gardner	4	1
74	Tracker cum Gardner	3	0
75	Gardner cum Marker	1	0

SI No.	Category	Sanctioned Strength	In Position
76	Cleaner	2	0
77	Muduvan Watcher	8	6
78	Night Watcher	25	22
79	RF Watcher/Depot Watcher	196	176
80	Tribal Watcher	700	677
81	Watcher cum Cook	6	2
82	Tapal Watcher	3	0
83	Rest House Watcher	1	0
84	Scavenger /Sanitary Worker	1	1
85	Cook/ Asst Cook	1	1
86	Boat Driver	12	7
87	Boat Zrank	1	0
88	Boat Watcher	2	0
89	Boat Cleaner/ Cleaner	3	0
90	Lascar	4	1
91	Survey Lascar	11	3
92	Mahouts and Kavadi	26	15
93	Timber Supervisor	1	0
94	Pump Operator	1	0
95	Lab Assistant	1	0
96	Radio Mechanic	1	0
97	Helper	2	0
98	Bus Cleaner	1	1
99	Chowkeedar	1	0
100	Bench clerk( on deputation)	1	0
101	Part time Contingent Employees	303	301
	Total	7834	7239

\*Ex-cadre Posts

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

(1) Go (MS) No 29/2015 forest dated 14.05.2015

(2) Go (MS) No 110/2015 forest dated 28.12.2015 As per above GO 182 supernumerary Watcher post were existed

**3.1.1 Details of Employees working on Contract/Deputation:** During the year, a total of 24 personnel were engaged on contract/deputation basis in the department.

**3.1.2 Recruitments made during the year (cadre wise numbers) including Compassionate Appointments:** The cadre wise list of recruitment made during the year is as follows.

Table 10 - Recruitments during 2019-20.

Sl No.	Category	In Position
1	Range Forest Officer	9
2	Beat Forest Officer	345
3	Clerk	43
4	Typist	7
5	Driver	1
6	Office Attendant	30
7	Night Watcher	23
8	Depot Watcher	7
9	RF Watcher	21
10	Confidential Assistant	2
11	Wachter	8
12	Part Time Sweeper	13
13	Attender	2
TOTAL		511

**3.1.3 Retirements:** - During the year 2019-20, a total of 187 persons were retired from the service including 9 IFS officers. Out of 53 were Gazetted officers while the rest 134 were on non-Gazetted staff.

Table 11 - Retirements during 2019-20.

SI No.	Category	Gazetted	None Gazetted	Total
	<b>Circle Office</b>			
1	ABP Circle		1	1
2	CC Trissur	2	28	30
3	EC Palakkad	3	19	22
4	FDPT Kottayam		8	8
5	HRC Kottayam	4	12	16
6	Mini Survey Kozhikoded		1	1
7	NC Kannur		14	14
8	FLR Kozhikode		1	1
9	SC Kollam	4	20	24
10	SF Eranakulam		7	7
11	SF Kollam		9	9
12	SF Kozhikod		2	2
13	WL Palakkad	2	2	4
	<b>Headquarters Office</b>			0
14	Administration	30	1	31
15	Information Technology	1		1
16	Social Forestry	1		1
17	Working Plan & Research	3	3	6
18	Vigilance	3	5	8
19	Human Resources Development		1	1
<b>Total</b>		<b>53</b>	<b>134</b>	<b>187</b>

**3.1.4 Posts created:** During 2019-20, No new posts were created in the department.

**3.1.5 Supernumerary posts operated:** - As per GO (MS) No.31/2019 forest dated 03.11.2019, 35 supernumerary watcher posts were created during the year.

**3.1.6 Consultants engaged:** - During 2019-20, consultants for different projects were engaged by the department as described below.

- In Southern Circle PWD was engaged for construction of - Alimukku - Achencovil road under NABARD Scheme and 'Habittat' was engaged for the construction of forest museum at Kulathupuzha and eco - complex at Ayoor and Eroor.

### **3.2 TRAINING**

A total of 1310 officers / staff of the department were imparted training in different topics/subjects in various institutions during the year 2019 -20.

### **3.3 AWARDS/REWARDS FOR MERITORIOUS SERVICE:**

During the year, 20 officers of different cadre in the Department were Awarded Chief Minister's Forest Medal for their Meritorious Service. Kerala Forest Department got 3rd place with 30 Gold, 26 Silver and 30 Bronze Medal and an Overall 311 points in the 25th All India Forests Sports and Games Meet held at Bhuvaneswar, Orissa in March 2020. Women open championship was won by Kumari. Anu Rghavan with 3 Gold one Silver and a Bronze.

During the year Sri. Sreenivasan, Tiger Monitoring Watcher, Parambikulam Tiger Reserve, Kerala received National Tiger Conservation Authority reward instituted for frontline staff for his continuous efforts in tracking and monitoring tigers while playing key role in All India Tiger Estimation organised by NTCA and All Kerala Tiger Estimation Exercises organised by PaTCoF.

### **3.4 DISCIPLINARY PROCEEDINGS AGAINST DEPARTMENTAL PERSONNEL**

During 2019-20, disciplinary actions were recommended against 62 personnel. Disciplinary action were recommended against 2 Divisional Forest Officer, 13 Senior forest officer, 1 Assistant Conservator of Forest, 11 Range Forest Officers, 5 Deputy Range Forest Officer, 15 Beat Forest Officer, 1 Senior Superintendent, 4 Clerks , 1 Watcher, 1 Office Attendant, 3 PTS and 5 Tribal Watchers.

## CHAPTER 4

### FUNCTIONING OF THE DEPARTMENT

The Kerala Forest Department works for the development, conservation and protection of the natural forests, wildlife and the rich bio diversity of the State and simultaneously strives for the welfare of the forest dependent local people. To achieve these myriad objectives, the department has over the time evolved several professionally equipped wings within the organization, and has built up their capacity to undertake all kinds of forest related activities in conjunction with other stakeholders. Various activities and projects entrusted by the State and Central Governments are efficiently and effectively being implemented by the Forest Department through its fourteen wings at the Headquarters.

The functions and achievements of various wings of the Department during the reporting year are summarized below.

#### 4.1 PLANNING & DEVELOPMENT WING

The planning & development wing of the department is mandated with the task of looking after the implementation of all developmental projects/works of various wings in different areas that are funded by the state as well as Central Governments

##### 4.1.1 Plan Schemes of the Department

The outlay provided for Forest and Wildlife for the year 2019-20 is Rs. 256.02 crore. This total outlay is inclusive of the NABARD-RIDF share of Rs.25 crore. The plan scheme implemented during 2019-20 by the department are as follows.

Table 12 Plan Schemes of the Department

Amount in Lakhs		
A	STATE SECTOR SCHEME	Outlay
I	<b>Management of Natural Forests:</b> The programmers envisages the survey and demarcation of forest, protection from encroachment and other illegal activities, undertaking forest fire prevention activities soil and moisture conservation and protection of special habitats, strengthening of Rapid Response Teams and Elephant Driving Teams etc.	

A	STATE SECTOR SCHEME	Outlay
1	Forest Protection (2406-01-101-81)	2800
2	Forest Protection (Survey of Forest Boundaries & Forest Protection) (4406-01-101-99)	2900
3	Regeneration of Denuded Forest (2406-01-101-94)	277
4	Non-wood Forest Produce Including Promotion of Medicinal Plants (2406-01-101-80)	195
II	<b>Improving Productivity of Plantations:</b> The objectivity of the scheme is to enhance the productivity of existing plantations, to promote forestry activities and practices by combining with agriculture, so that the pressure on eco-system due to the increases social needs is gradually reduced. Some of the activities proposed under the scheme are raising and maintenance of teak And other hardwood plantations, special tending operations of older teak plantations, scheme for promotion of valuable hardwood timber species like vellakil, Kambakom, irul, Chadachi etc.	
1	Hard Wood Species (4406-01-105-87) (01)	800
2	Industrial Raw Materials (4406-01-105-87) (02)	300
III	<b>Infrastructure Development:</b> The activities under infrastructure development comprises of construction and maintenance of forest buildings and forest road. Activities under the scheme for building are Construction and renovation of office building, quarters, picket stations, check post, residential complexes and modernization of the existing building. Activities under roads are re-tarring, concreting, cross-drainage works works relating to side drain and protective walls, rubble packing, wheel base concreting etc.	
1	Roads (4406-01-070-99)	500
2	Building (4406-01-070-97)	1125
IV	Eco-Tourism (4406-01-800-91)	510
V	Human Resource Development (2406-01-003-97)	395
VI	Resource Planning & Research (2406-01-004-92)	250
VII	Forest Management Information System & GIS (2406-01-800-57)	150
VIII	Extension Community Forestry & Agro Forestry (2406-01-800-55)	1400
IX	Eco Tourism - Project Green Grass (2406-01-800-52)	20.01
X	Works with assistance from RIDF (4406-01-800-90)	2500
XI	Measures to reduce Man Animal conflict (2406-01-800-56)	2400

<b>A</b>	<b>STATE SECTOR SCHEME</b>	<b>Outlay</b>
XII	Zoological Park at Puthur, Thrissur (2406-02-110-48)	500
XIII	Conservation of Biodiversity (2406-02-110-68)	1280
XIV	Eco Development Programme (2406-02-110-56)	350
<b>B</b>	<b>SCHEMES HAVING 60 : 40 SHARES BETWEEN CENTRE AND STATE</b>	
1	Integrated Development of Wildlife Habitats	
i	Management of Wildlife Sanctuaries	
1	Neyyar Wildlife Sanctuary (2406-02-110-39) (01)	87.50
2	Wayanad Wildlife Sanctuary (2406-02-110-39) (02)	125
3	Idukki Wildlife Sanctuary (2406-02-110-39) (03)	102.5
4	Peechi, Vazhani 2406-01-110-39(04)	102.5
5	Peppara Wildlife Sanctuary (2406-02-110-39) (05)	70
6	Shendurney Wildlife Sanctuary (2406-02-110-39) (06)	90
7	Chimmony Wildlife Sanctuary (2406-02-110-39) (07)	112.5
8	Aralam Wildlife Sanctuary (2406-02-110-39) (08)	112.5
9	Chinnar Wildlife Sanctuary (2406-02-110-39) (09)	70
10	Thattekkad Birds Sanctuary (2406-02-110-39) (10)	55
11	Mangalavanam Birds Sanctuary (2406-02-110-39) (11)	10
12	Kurinjimala Sanctuary (2406-02-110-39)	20
13	Choolannur Peacock Sanctuary(2406-02-110-39) (13)	15
14	Malabar Sanctuary (2406-02-110-39) (14)	40
15	Kottiyoor Wildlife Sanctuary (2406-02-110-39) (15)	45
ii	Management of National parks	
1	Eravikulam National Park (2406-02-110-38) (01)	110
2	Silent Valley National Park (2406-02-110-38) (02)	150
3	Anamudi National Park (2406-02-110-38) (03)	30
4	Mathikettanmala National Park (2406-02-110-38) (04)	30
5	Pampadumshola National Park (2406-02-110-38) (05)	40



iii	Management of Community Reserve	
1	Integrated Development of Wild Life Habitats Management of Community Reserve (60:40 between Centre and State) (2406-02-110-37) (01)	17.5
iv	<b>Project Tiger (60:40 between Centre and State)</b>	
1	Periyar Tiger Reserve (2406-02-110-36) (01)	700
2	Parambikulam Tiger Reserve (2406-02-110-36) (02)	610
v	<b>Project Elephant (2406-02-110-35)</b>	950
1	National Mission for Green India:-Green India Mission is one of the eight mission of Central government aimed at mitigation and adaptation of climate change scenario. Major activities proposed under the scheme are (1) Enhancing the quality of moderately dense and open forests, (2) Increasing forest cover and accompanied ecosystem services, (3) Enhancing tree cover in urban/semi urban areas, (4) Agro forestry and farm forestry, (5) Eco restoration of wet lands, (6) Promotion of alternate fuel energy sources.	
i	National Afforestation Programme - National Mission for Green India (60:40 between Centre and State) (2406-01-102-86) General component	876.1
ii	National Afforestation Programme - National Mission for Green India (60:40 between Centre and State) (2406-01-789-99) SCP component	79.44
iii	National Afforestation Programme - National Mission for Green India (60:40 between Centre and State) (2406-01-796-99) TSP component	17.46
iv	Forest Fire Prevention & Management Scheme (FPMS) (2406-01-800-53)	400
2	<b>Conservation of Natural Resources &amp; Ecosystems:</b> Biosphere reserves help to integrate conservation with sustainable use at the landscape level so that the complementarities are fully tapped and conflicts minimized. Under Wetland conservation, mangrove and coral reef conservation and management is envisaged.	
i	Nilgiri Biosphere Reserve (2406-02-110-34)	390
ii	Agasthyamala Biosphere Reserve (2406-02-110-33)	390
iii	Wetland Conservation (2406-02-110-32)	425

iv	Integrated Development of Wildlife Habitats to Wayanad Wildlife Sanctuary for Voluntary Relocation of Settlements from Protected Areas (2406-02-110-31)	100
v	Integrated Development of Wildlife Habitats - Protection of wildlife outside Protected Areas (2406-02-110-52)	
<b>C</b>	<b>SCHEMES HAVING 75:25 SHARES BETWEEN CENTRE AND STATE</b>	
1	Minimum Support Price For Minor Forest Produce 2406-01-105-89	556.65
<b>D</b>	<b>Assistance to Kerala Agricultural University to support the training and extension needs of Kerala Forest Department. (2415-01-277-86) (STATE SECTOR SCHEME)</b>	20

### Major Development Schemes Implemented by Development Wing

**4.1.2 NABARD - RIDF:** This scheme is aimed at strengthening of infrastructure in forest areas and funds for expenses on the same. During 2019-20, the funding requirements under the scheme were met through the following tranches, viz; NABARD - RIDF XIX, XX, XXII, XXIII and XXIV. The details of ongoing projects under NABARD-RIDF are listed in table below.

Table 13- Ongoing projects under NABARD-RIDF

Sl. No.	Tranche No.	No. of projects	Project cost (lakhs)	Loan sanctioned (lakhs)	Expenditure (lakhs)
1	XIX	2	2120.39	1984.53	1848.12
2	XX	2	4290.00	4075.50	3624.28
3	XXII	4	2262.00	2148.90	1128.78
4	XXIII	1	2250.00	2137.50	1477.86
5	XXIV	2	2222.07	2110.96	815.04

#### 4.1.3 Intensification of Forest Management (IFM):

IFM renamed as Forest Fire Protection Management Scheme (FPMS), is a 60% Centrally Sponsored Scheme (CSS) of the Government of India. Government of India had accorded sanction for the annual work programme under IFM scheme for a total cost of 630.51 lakhs. An amount of 378.31 lakhs was sanctioned as Central share during 2019-20 and the corresponding State share came to 252.20 lakhs. The expenditure incurred was 224.87 lakhs.

#### 4.1.4 Improving Productivity of Plantations

The Department is having 1,56,316 Ha (13% of total forest area) of forest plantations of various species of which Teak covers an extent of approximately 76,700 Ha (51% of the total plantation area). The annual revenue of the Department comes mainly from the thinning and final felling of these plantations. While on the one hand, due to enhanced protection to the wildlife, the animal populations of different species have increased over the years, on the other hand, extensive damage to newly established plantations is caused by Sambar Deer and Elephants. Scientific methods for enhancing the quality of soil and the planting stock are also being adopted to ensure better yields from new plantations.

Table 14 - Plantations raised during 2019-20

Scheme Planting	New Areas (Ha)	Maintenance of plantations (Ha)
Hardwood Species	95.78	505.67
Industrial Raw Materials	153.53	343.97
Non-Wood Forest Species	6	658.01

Table 15- Forest Area according to utilization as on 31.03.2020

Sl No.	Mode of Utilisation	Area(km2)	% total
1	Dense Forests/Degraded Forest	9020.843	78.29
2	Plantation	1563.164	13.57
3	Area under lease	553.893	4.81
4	Forest land diverted under FC Act, 1980	384.093	3.33
	Total	11521.993	

Table 16 - Species wise extent of Plantation Area as on 31.03.2020

SI No	Species	Area (ha)	SI No	Species	Area (ha)
1	Teak	76530.328	19	Anjili	589.609
2	Teak and Softwood	13449.93	20	Kambakam	245.16
3	Acacia mangium	2895.575	21	Elavu	303.51
4	Acacia auriculiforms	7893.918	22	Balsa	21.04
5	Eucalyptus	6781.4	23	Wattle	2121.57
6	Cane	3431.003	24	Matti	495.31
7	Bamboo	5391.112	25	Cashew	4446.624
8	Rosewood	375.056	26	Agave	9.64
9	Mahogany	527.461	27	Alnus	74.35
10	Sandalwood	358.88	28	Sesbania	21.07
11	Other Hardwood	1154.264	29	Casuarina	118.87
12	Reeds	537.35	30	Silver Oak	91.5
13	Pepper	103.94	31	Mangroves	371.068
14	Medicinal Plants	3165.779	32	Fruit bearing	305.543
15	Grevillea robusta	550.63	33	Miscellaneous	22397.345
16	Pine	546.4	34	Tea	1.902
17	Rubber	42.1	35	Venteak	23.064
18	Albizzia	150.57	36	Vengai	21.446
			37	Others	772.034
			<b>Total</b>		<b>156316.351</b>

Table 17- Outturn of Timber as on 31.3.2020.

SI No.	Species	Unit	Production
1	Acacia	MT	234.15
2	Acacia mangium	MT	2.60
3	Akil / Vellakil	M <sup>3</sup>	19.38

Sl No.	Species	Unit	Production
4	Ambazham	M <sup>3</sup>	5.50
5	Anjily	M <sup>3</sup>	237.02
6	Bamboo	MT	1986.57
7	Billets	MT	1470.09
8	Chandanavembu/Red- cedar	M <sup>3</sup>	2844.26
9	Cheeni	M <sup>3</sup>	63.82
10	Chorakkali	M <sup>3</sup>	505.61
11	Elavu/Poola	M <sup>3</sup>	220.16
12	Eucalyptus	MT	23.26
13	Fire wood	MT	4322.95
14	Irul	M <sup>3</sup>	794.91
15	Jack/Plavu	M <sup>3</sup>	94.54
16	Kambakom	M <sup>3</sup>	333.71
17	Kanjiram	M <sup>3</sup>	1.53
18	Karimthakara	M <sup>3</sup>	5.83
19	Karingazha	M <sup>3</sup>	6.65
20	Karuva	M <sup>3</sup>	10.11
21	Kulamavu/Ooravu	M <sup>3</sup>	371.88
22	Kumbil	M <sup>3</sup>	5.38
23	Kunnivaka	M <sup>3</sup>	14.53
24	Kurangatti	M <sup>3</sup>	11.38
25	Mahagony	M <sup>3</sup>	48.33
26	Malaveppu	M <sup>3</sup>	1.45
27	Manimaruthu	M <sup>3</sup>	5.83
28	Manjakadambu	M <sup>3</sup>	13.64
29	Maruthu	M <sup>3</sup>	1699.04
30	Matti	M <sup>3</sup>	39.27
31	Mavu	M <sup>3</sup>	32.31
32	Mazhamaram	M <sup>3</sup>	4.87
33	Mullankaini	M <sup>3</sup>	97.42

SI No.	Species	Unit	Production
34	Mulluvangai	M <sup>3</sup>	50.89
35	Murikku	M <sup>3</sup>	0.52
36	Njaval	M <sup>3</sup>	99.85
37	Pala/Mukkampala	M <sup>3</sup>	142.40
38	Pali	M <sup>3</sup>	10.87
39	Pathiri	M <sup>3</sup>	1.30
40	Poochakadambu	M <sup>3</sup>	21.25
41	Poomaram	M <sup>3</sup>	2.19
42	Poon/Punna/Punnappa	M <sup>3</sup>	45.79
43	Poovam	M <sup>3</sup>	135.45
44	Pothondi	M <sup>3</sup>	7.65
45	Parakom	M <sup>3</sup>	0.10
46	Reeds	MT	653.96
47	Rosewood	M <sup>3</sup>	186.80
48	Sandal wood	Kg	69692
49	Silver Oak	M <sup>3</sup>	27.63
50	Teak	M <sup>3</sup>	19492.94
51	Teak poles	MT	14094.72
52	Thanni	M <sup>3</sup>	192.62
53	Thellippaine	M <sup>3</sup>	8.27
54	Thembavu/Karimaruthu	M <sup>3</sup>	107.91
55	Unnam/Chadachi	M <sup>3</sup>	87.58
56	Uthi	M <sup>3</sup>	4.81
57	Vaka	M <sup>3</sup>	49.12
58	Vatta	M <sup>3</sup>	148.90
59	Vediplavu	M <sup>3</sup>	3.33
60	Vetti	M <sup>3</sup>	2.84
61	Vengai	M <sup>3</sup>	192.38
62	Venteak	M <sup>3</sup>	245.34

Table 18- Non-Wood Forest Produce (NWFP) as on 31.3.2020

Sl No.	Item	Quantity Procured (kg)
1	Adalodakam Pacha	16374.00
2	Athithippali	3614.00
3	Broom Grass	43300.00
4	Cheenikka	64837.10
5	Cheruthekku	991.00
6	Cheruvazhuthana	20618.00
7	Cheruvazhuthana ( Pacha)	20158.00
8	Cheruthen	543.06
9	Chittamruthu dry	191.00
10	Derba	543.00
11	Kakkumkai	3102.1
12	Kalpasam	6850.1
13	Karimkurinji	80671.0
14	Kasturimanjal	564.5
15	Kattukurumulak vally	21629.10
16	Kattumanjal	108.00
17	Kattmulakinthand	12658.70
18	Kazhanchikuru	75.00
19	Koppuvella	207.00
20	Kudampuli	171.00
21	Kunthirikkom	5196.50
22	Kurumthotti	15207.00
23	Kurumthotti (Pacha)	92944.00
24	Manjakoova	150.00
25	Malayinji	143.00
26	Marottikkuru	20.00
27	Moovila	5823.00
28	Manjavally	417.00
29	Nannari/Naruneendi	42.60
30	Orila	3862.00
31	Orila Dry (Red)	300.00
32	PachottiPatta	13091.50
33	Padakizhangu	1336.85
34	Palmuthakku	112.00

Sl No.	Item	Quantity Procured (kg)
35	Pathiripoovu	376.60
36	Pattincha/Incha	3180.00
37	Peenari	5030.00
38	Pollakai	83.00
39	Ponkorandi	1364.00
40	Rawhoney	2127.30
41	Sathavery	490.00
42	Seethari	42.00
43	Soappirinkai	60.00
44	Thippali	63.00
45	Vanthen	25117.95
46	Vayanpoovu	100.00
47	Wax (Bee Wax)	118.30
	<b>Total</b>	<b>474003.026</b>

*Source: Kerala State Federation of SC / ST Development Co-operative Ltd.*

## 4.2 ADMINISTRATION WING

In the current year, the Administration wing has successfully conducted recruitments of various categories of staff through district offices of the Kerala Public Services Commission. The Administration wing has worked tirelessly to give timely promotions to the eligible serving officials/staff of the department.

During the year 511 recruitments are given under various cadres including compassionate appointments. 187 persons were retired in the current year. During the year disciplinary proceedings were recommended against 62 personnel in the department.

## 4.3 WILDLIFE WING

The Wildlife wing of Kerala Forest Department has taken a leading role in the implementation of projects and works related to habitat improvement, fire protection in wildlife areas, development of water holes at strategic points in the PAs, eco-development works, eco-tourism, extension and education, wildlife census, research, development of infrastructure for protection, maintenance of marshes and swamps, maintenance of water holes, regeneration of degraded ecosystems and fire control form inevitable management practices for sustained and scientific management of Sanctuaries and National Parks.



Now a days Wildlife crimes such as illicit trade in Tiger skin, Leopard skin, Elephant tusk, Snake venom, live trade of species like Barn owl, Star tortoise, Sand-boa, etc. are increasing which pose new challenge to the Department. Many such high value wildlife crimes have inter-state and international ramifications. In the light of these developments, the Wildlife Crime Control Bureau was constituted by the Government of India at Centre with its Regional Offices. Incidence of such serious wildlife crimes are dealt in co-ordination with agencies like Wildlife Crime Control Bureau and other State Forest Departments.

The Department is also implementing several ecotourism activities in the protected areas in the tourism zones as per approved management plans. The tribal and other forest dependent communities are given employment opportunities in turn for their co-operation in protection activities through specific Eco-tourism 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.

Scientific management of Sanctuaries and National Parks require constant monitoring of health of wild animals in order to check the spread of diseases. Many contagious diseases can cross over to wild animals from domestic cattle straying into the forest areas. As per G.O (Ms)No.12/2017/Forest dated 20.03.2017, one post of Chief Veterinary Officer and 12 posts of Assistant Forest Veterinary Officers were created, which were filled by Officers on deputation from Animal Husbandry Department of the State, increasing the total strength of the Veterinary doctors in the department to 17.

Chief Wildlife Warden and the Wildlife Wardens are the Statutory Authorities as per Wild Life (Protection) Act, 1972 and they have the mandate to protect Wildlife in all the forest areas and outside forests as well. The Department pays special attention to the protection of Sacred Groves, Mangroves and Wetlands as well.

#### **4.3.1 Human-Wildlife Conflicts:**

Human-Animal conflict is a widely prevalent scenario, mostly faced by people who inhabit the fringe areas of forests and those living inside the forests. Conflicts may arise due to animals moving into habitations often resulting in serious injury to people, permanent disability of the attack victims, crop damage, cattle loss,

damage to habitations and loss of life of humans which in turn may end up in retaliatory killing of the wild animals. In Kerala, the Wild Elephants and Wild Boars dominate the scene and cause wide spread damages. Kerala Forest Department has taken several proactive measures like digging Elephant proof trenches, creating Elephant proof walls and constructing solar powered Electric fences along the forest boundaries, 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, which were found 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.31/2013F & WLD dated: 19.03.2013, comprehensively amended the conditions and the procedure prescribed in the above order and extended the period for 3 years from 4.08.2012. A total number of 6662 incidents of human-animal conflicts were reported in Kerala during 2019-20.

Table 19 - Human-Animal Conflicts during 2019-20

No of incidents	Snake	Elephant	Wild Boar	Gaur	Tiger	Leopard	Others	Total
Human death	71	13	3	2	0	0	3	92
Human injured	548	34	97	0	3	1	16	699
Cattle death	23	0	3	84	0	96	115	321
Crop damage and property loss	2	2848	1250	0	47	17	1386	5550
<b>Total</b>	<b>644</b>	<b>2895</b>	<b>1353</b>	<b>86</b>	<b>50</b>	<b>114</b>	<b>1520</b>	<b>6662</b>

The Wildlife wing has continued with its agenda of proactive actions in mitigating the increasing problem of man-animal conflict in the state along the forest fringes through preventive measures like erecting solar fencing, trenches and walls, imparting awareness programmes to forest fringe dwellers and payment of compensation to the victims of wildlife attack and also for crop damage by wildlife. Details of the major preventive structures constructed to mitigate Human-Wildlife conflict as on 31.03.2020 are as given below.

Table 20-Preventive Structures Constructed to Mitigate Human-Wildlife Conflict during 2019-20

Circle	Solar Fencing (km)	Elephant proof trench (km)	Elephant proof wall (km)	Stone Pitched trench (km)	Bio fence (km)	Kayyala (km)	Others (km)
Northern	16.7	14.95	0	0	0	0	0
Eastern	39.08	0	0	0	0	0	0
Central	33.04	0.18	0	0	0	0	0
HRC	21.5	0	0	0	0	0	0
Southern	110.96	8.06	0.51	0	0	0.32	0
WL Palakkad	9.5	0.26	0.19	0.09	0	0	0.13
FDPT	17.61	8.72	2.8	0	0	0.07	0
ABP	112	0.56	0	0	0	0	0
<b>TOTAL</b>	<b>360.39</b>	<b>32.73</b>	<b>3.5</b>	<b>0.09</b>	<b>0</b>	<b>0.39</b>	<b>0.13</b>

#### 4.3.2 Compensation paid to victims of attack by wild Animals

The 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 2019-20, an amount of 930.1 lakhs was distributed to the victims.

Table 21-Compensation paid to victims of attack by Wild Animals during 2019-20

Item	No. of Applicants	Amount paid (Rs)
Human death	102	22170000
Human Injured	694	21582486
Cattle Loss	330	7173576
Crop damage and property loss	5733	42080392
<b>Grand Total</b>	<b>6859</b>	<b>93006454</b>

### 4.3.3 Wildlife Population Estimation

Wildlife population estimation is periodically conducted in the forest areas of Kerala. Earlier, estimations were conducted in 1993, 2002 and 2011. In addition to the general wildlife population estimation, separate population estimation is conducted for species like Tiger, Nilgiri Tahr and Elephant.

### 4.3.4 Tiger Population Estimation

Monitoring of Tigers, co-predators, their prey and habitats was carried out in the forests of Kerala from 16 to 23 December 2013, as part of the "All India Tiger Estimation", and as per the guidelines issued by the National Tiger Conservation Authority (NTCA). The status report of Tigers in Kerala shows an increase in numbers to 190 from the population of 136 reported in 2014. The report States that the Tiger population and occupancy has shown a substantial increase in the Western Ghats landscape. Comparison of the population of Tigers as per the past estimations is as follows:

Table 22- Estimated Tiger Population in Kerala

Year	Population
2010	71
2014	136
2018	190

### 4.3.5 Nilgiri Tahr Population Estimation

The Nilgiri Tahr is an endemic species with limited distribution in the mountain landscapes of Southern Western Ghats in the states of Kerala and Tamil Nadu. Low population status, limited and discontinuous distribution and human intervention in a highly fragile ecosystem brought Nilgiri Tahr 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 Tahr in the Eravikulam National Park during last 10 years surveys are given below.

Table 23 - Estimated Population of Nilgiri Tahr for the Last Ten Years

2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
776	831	789	873	894	900	1420	575	643	526

#### 4.3.6 Securing Elephant Corridor

Wildlife habitats and their corridors is one of the major long term steps to tackle Human-Wildlife conflict. Elephants in the wild show a nomadic behaviour and the daily/seasonal migration they make through their Home Ranges are immensely important to the environment. Kerala Forest Department has been taking several steps to ensure that the habitats of elephants are protected. Fragmentation of forests is a major challenge as far as protecting wildlife corridors is concerned. As per the second edition of "Right of Passage (Elephant Corridors of India)" published in 2017, seven corridors were identified in Kerala.

Table 24 - List of Elephant Corridors

Sl No	Name of the Corridor	Name of Division	Length & Width	Legal Status	Habitations in Corridor	Villages Dependent on Corridors
1	Kottiyoor-Periya	Kannur Wayanad (N)	3	0.1	Not notified	Land Acquisition in progress
2	Begur-Brahmagiri	Wayanad WLS with Brahmagiri WLS & Nagarhole TR (Karnataka)	1	0-0.8	Not notified	Land to be acquired
3	Nilambur - Appankappu	Nilambur North & South Divisions	0.4	0.5	Not notified	Land to be acquired
4	Periyaat Pakranthalam	Wayanad (N)	0.5	0.2	Not notified	Land to be acquired
5	Thirunelli-Kudrakote	Wayanad (N)	6	1 to 1.5	Yes	9.63 acres notifies as extension to Wayanad Wildlife sanctuary & remaining 8.37 acres as Reserve Forest.

Sl No	Name of the Corridor	Name of Division	Length & Width	Legal Status	Habitations in Corridor	Villages Dependent on Corridors
6	Nilambur Kovilakam -New Amarambalam	Nilambur North & South Divisions	1	0.5	Not notified	No acquisition needed
7	Mudumalai – Nilambur via O’ Valley (Ouchterlony Valley)	Nilambur North Forest Division and Mudumalai Tiger Reserve (TN)	35	0.1	Not notified	No acquisition needed on the Kerala side

#### 4.3.7 Rescue of Wild Animals

During the year 2019-20, many cases of human-animal conflicts were reported and action was taken in a 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.

#### 4.3.8 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 related to human-animal conflict. The initiative started with setting up of five numbers of sufficiently equipped Rapid Response Teams in Wayanad (Wildlife), Nilambur, Kannur, Palakkad and Ranni forest Divisions. Presently there are 13 such teams who work round the clock to tackle the issues.

Table 25 - Rapid Response Team

Location	Head Quarter	Territorial division to which the team is attached	Officer in charge of the Team	Contact number	
				Mobile	Office
Punalur	Anchal	Punalur	RFO Anchal	8547600725	04752270100
Ranni	Ranni	Ranni	Dy.RFO Ranni	8547600927	
Tvm- Vithura	Pepara	Tvm	RO-Paruthipally	8547600960	0472-2854022

Location	Head Quarter	Territorial division to which the team is attached	Officer in charge of the Team	Contact number	
				Mobile	Office
Marayoor	Marayoor	Marayoor sandal Division	RFO, Special investigation unit Marayoor	9447979096	04865-252988
Munnar	Devikulam	Munnar Division	RFO, Munnar	8547601337	04865-264377
Nilambur-Aruvakkad	Nilambur	Nilambur North	Dy.RFO	8547602200	04931-220005
Mannarkad	Mannarkad	Mannarkad	RFO, Mannarkad	8547602315	0492-4222875
Palakkad	Palakkad	Palakkad	Dy.RFO, Olavakkode	8547602100	0491-2552815
Thamarasery	Thamarasery	Kozhikode	Dy.RFO	8547602828	0495-2223720
Kannur	Taliparamba	Kannur	Dy.RFO	8547602678	0460-2206696
Kasaragod	Kasaragod	Kasaragod	RFO, Kasargod (temporary arrangement)	8547602576	0499-4225072
Peerumedu	Peerumedu	Peerumedu	RFO, Azhutha	8547603123	0486-9233710
Sultan Bathery	Kuppady	Wayanad Wildlife Division	RFO, elephant Squad & RRT Range, Wayanad Wildlife Division	8547603563	04936223500

#### 4.3.9 Relocation of Settlements in Wayanad Wildlife Sanctuary

The voluntary relocation procedure in Wayanad Wildlife Sanctuary started in the year 2012. The Ministry of Environment and Forests approved the project for Rs.80.00 crores for relocation of 800 eligible families from 14 settlements from the Sanctuary. Government of India commenced financing for the proposal from the year 2011-12 onwards, giving a compensation of Rs.10.00 lakh for each eligible family. About 379 eligible families from nine settlements have already been relocated utilizing a fund of Rs.37.66 crores. The translocation procedure is under progress in one settlement.

**4.3.10 Captive Elephant Management** The evolution of elephant management paralleled the socio-economic and political changes in the state of Kerala and transitioned from the deification to the present day precarious situation. Captive

Elephants enjoy a special status in its cultural, religious and social arena. To ensure the welfare of these animals in captivity, the Kerala Captive Elephants (Management and Maintenance) Rules were framed first in 2003 and subsequently revised in 2012. Now, the provisions of Wildlife (Protection) Act, 1972 and the Kerala Captive Elephant (Management and Maintenance) Rules, 2012 are strictly implemented in the State. Legal action is taken against violators of these Acts. State and District level Task Forces on Captive Elephants were constituted vide G.O (Ms)No.03/2015/F&WLD dated, 17.01.2015 for ensuring the welfare of Captive Elephants especially, by preventing cruelty against them and through continuous monitoring.

Table 26 - Number of Captive Elephants during 2019-20.

No. of elephants implanted with microchip		No. of elephants not implanted with microchip		No. of elephants dead during 2019-20	
Private owned	Dept. owned	Private owned	Dept. owned	Private owned	Dept. owned
458	35	Nil	Nil	21	1

#### 4.3.11 New Schemes / Projects Launched

- Karimpuzha in Malappuram district is declared as a new Wildlife Sanctuary vide G.O(P) No.9/2019/F&WLD dated 17-08-2019.
- Developing a new ZOO and State Museum at Puthoor in Thrissur District to an extent of 136.28 ha of forest land, comes under Thrissur Forest Division.
- Kerala Forest Department has erected a new kind of fencing the "Crash Guard Steel Rope Fencing" which could reduce Human-Elephant conflict to a large extent.
- Stone laid for the country's first International Elephant Rehabilitation Centre at Kotoor, Thiruvananthapuram

Large scale renovation projects of Elephant Rehabilitation Centre at Kottur have been inaugurated on 23<sup>rd</sup> June 2019 by Hon'ble Chief Minister. The aim of the project is to achieve international level facilities in Elephant Rehabilitation Centre (ERC), Kottur. Estimated expenditure of this project is Rs:108 Crore. ERC, Kottur spreads over 56 Ha and is surrounded by trenches to keep wild animals at bay. This



provides enough space for all the elephants accommodated here. One of the major highlights of the centre is the chain free life of elephants. 30 elephants can be accommodated within this centre at a time and they are looked after by a team of experts. For researchers and students this is an ideal place to observe and study the behavior of the elephants.

#### **4.4 ECO DEVELOPMENT & TRIBAL WELFARE WING**

The State had 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 participatory mechanism is activated through Vana Samrakshana Samithies (VSSs) and Eco Development Committees (EDCs) in Territorial Forest Divisions and Wildlife Divisions respectively. The VSSs and EDCs are the grass root level organizations with forest dependent families as members, who participate in the planning and implementation of various forestry and community development programmes. As on 31<sup>st</sup> March 2020, a total of 400 VSSs and 190 EDCs are functional in the State. There are 36 FDAs in the State as on 31<sup>st</sup> March 2020.

**Forest Department has implemented the following projects/schemes under Eco- Development & Tribal Welfare during 2019-20.**

##### **4.4.1 Green India Mission (GIM)**

Green India Mission was conceptualized to address key concerns related to climate change in the forestry sector, namely adaptation and mitigation. The Mission under takes a broader landscape approach to address the challenges faced by Environment, Forest and Wildlife sectors while supporting local communities to meet their necessities of fodder, fuel and livelihood.

- During the year approval has been accorded by the Government of India vide order No.F.No.9-11/2014/GIM-KER dated 03-10-2019 for Green India Mission project for Rs.3885.270 lakh for implementation through the FDAs in the State and released the Central Share of Rs.1631.814 lakh (70% of the 60% Central Share of Rs.2331.162 lakh).The total physical target of the project is 8146.396 ha and distribution of alternative fuel energy systems to 7536 forest dependent households.

##### **4.4.2 Eco-tourism**

Ecotourism has proven to be a useful intervention in the forestry sector which

can potentially support the livelihood needs of the forest-dependent communities while ensuring minimal impact on the ecosystems. Kerala is blessed with several places of naturally beautiful landscapes and wilderness, offering the eco-tourist a novel experience of the natures' bounties. The Department has 60 Ecotourism locations as Eco- Tourism destinations which are managed by the FDAs in liaison with the Forest Department, in a responsible manner. An amount of Rs.197.215 lakhs was expended during 2019-20 for the ecotourism activities under the budget head '4406-01-800-91 –Ecotourism'.

#### **4.4.3 Tribal Insurance Scheme**

The Department took initiative for covering the forest dwelling tribal population under a comprehensive Insurance Scheme which has proven to be very useful for them. Vide Government Order No. GO(MS)12/95/F&WLD dated, 15/03/1995, the Insurance Scheme for the tribal population residing in the forests of Kerala was approved with Personal Accident cover and hospitalization benefits. The scheme was implemented in association with M/s.United India Insurance Company Ltd. The policy period was for one year and subject to renewal every year. During 2019-20 the current financial year the policy was renewed on 26/09/2019 for a period of one year up to 25/09/2020

#### **4.4.4 Ecosystem Management Funds (EMF)**

The conservation efforts of the Forest Department are supported to some extent through a special fund called the Ecosystem Management Fund, which is formed using service charges from ecotourism activities in 60 locations around the State. During 2019-20 an amount of Rs 3506.57 lakhs was collected as service charge, making up the bulk of the Eco-system Management Funds (EMF) by the FDAs.

#### **4.4.5 Vanasree Units**

The marketing of Non-Timber Forest Produces, artifacts and handicrafts made by forest dependent communities is important for ensuring their profitability and sale volumes. Vanasree is a marketing initiative taken up by Kerala Forest Department for this purpose. There are 37 Vanasree Eco-Shops in the State under 22 FDAs which includes 2 mobile units. During 2019-20, the sales revenue from Vanasree Eco-Shops was to the tune of Rs.725.884 lakh.

Table 27- Division wise Location of Vanasree Eco-shop

Sl.No.	Name of Division	Name of Vanasree Unit
1	Achencoil	Achenkovil
2	Alappuzha Social Forestry	Kommadi
3	Chalakkudy	Chalakkudy
4	Kannur	Nedumpoyil
5	Konni	Konni
6	Kothamangalam	Thommankuthu
7	Malayattoor	Kodanad
8	Malayattoor	Mobile Vanasree Unit
9	Marayoor	Marayoor
10	Marayoor	Anakottappara - Kanthalloor
11	Munnar Wildlife	5 <sup>th</sup> Mile
12	Munnar Wildlife	Karimutty
13	Munnar Wildlife	Tahr No.1
14	Munnar Wildlife	Pambadum shola
15	Munnar Wildlife	Lakkam
16	Nilambur North	Aruvakode
17	Nilambur South	Nedumgayam (Manjeri)
18	North Wayanad	Mananthavady
19	Parambikulam	Anappady
20	Parambikulam	Parambikulam
21	Punalur	Ayur
22	Ranni	Angamuzhy
23	Shenduruny	Shenduruny FIC
24	Shenduruny	Thenmala
25	Silent Valley National Park	Mukkali
26	Thenmala	Palaruvi
27	Thiruvananthapuram	Forest Headquarters, Thiruvananthapuram
28	Thiruvananthapuram	Mobile Vanasree Unit
29	Vazhachal	Athirappally
30	Vazhachal	Vazhachal
31	Wayanad Wildlife	Muthanga
32	Wayanad Wildlife	Begur
33	Wayanad Wildlife	Tholpetty
34	Wildlife Division, Thiruvananthapuram, (Neyyar- Peppara)	Neyyar
35	Wildlife Division Thiruvananthapuram, (Neyyar- Peppara)	Kottoor
36	Wildlife Division Thiruvananthapuram (Neyyar- Peppara)	Peppara

#### **4.4.6 Mechanism for Marketing of Minor Forest Produce (MFP) through Minimum Support Price (MSP) and Development of Value Chain for MFP**

State Forest Development Agency (SFDA), Kerala, functioning under the E&TW wing, had entered into an agreement with Tribal Co-operative Marketing Development Federation of India Ltd., New Delhi (TRIFED) vide , a Government of India undertaking working in the field of NWFPs, to implement the Minimum Support Price (MSP) for Minor Forest Product(MFP). As per the agreement, TRIFED will give minimum support price (MSP) to honey collected by tribal communities in the State and also will help to sell their products and Vanasree products through the sale outlets of both Vanasree and TRIFED. Fund has been released to ten implementing FDAs for the project 'MSP for MFP' (75:25CSS) approved by TRIFED.

Government of India, Ministry of Tribal Affairs through TRIFED has sanctioned a project 'Mechanism for Marketing of Minor Forest Produce (MFP) through Minimum Support Price (MSP) and Development of Value Chain for MFP' vide order No. 19/15/2018-Livelihood dated 29-10-2018 and 05-12-2018 for implementation through the FDAs in the State during the year 2018-19 and released funds to the tune of Rs.417.49 lakh being the 75% of the central share of Rs.556.66 lakh towards the implementation of the project. Later vide Proceedings Order No.A1-1823/2019(73) dated 19-12-2019 of APCCF (F,B&A), Thiruvananthapuram had released Rs.556.66 lakh along with the 25% State share of Rs.139.06 lakh (25% share of State) to the treasury account of SFDA

#### **4.4.7 KIIFBI Project**

A project named "Fencing around Forest Boundaries" was approved by the State Government under KIIFB for an amount of Rs.100 crores and the State Forest Development Agency (SFDA), Kerala was designated as Special Purpose Vehicle (SPV) for implementation. Administrative sanction was accorded for the first phase of 25 crores and implementation of the project has commenced during the year. During 2019-20, Revised Administrative Sanction was accorded by the Government for the Second Phase of the project namely "FOR 001-00 Fencing Around Forest Boundaries under the Special Investment Plan" under KIIFB for an amount of Rs. 9261.06 lakh vide GO (Ms) No. 2/2020/F&WLD dated 23.01.2020. The implementation of project components are progressing.

#### **4.4.8 Achievements during 2019-20**

- Carrying Capacity studies have been completed and preliminary report

submitted in four ecotourism sites viz; Periyar Tiger Reserve, Shola National Park and Eravikulam National Park by M/s. Stesalit Systems Ltd., Kolkata.

- Final report of carrying capacity studies have been submitted for four ecotourism sites of South Wayanad Division viz; Pakkom-Kuruva, Soochippara, Bhanasuramala-Meenmutty and Chembra Peak by institutes of Forest Genetics & Tree Breeding (IFG & TB), Coimbatore.
- Forest Fire Crisis Management Plan (2019-20) for prevention and control of forest fires in the state has been prepared and activities initiated.
- DPR for Rs. 800 crores was approved and administrative sanction accorded vide G.O. (Rt) No. 483/2018/P&EA Dtd: 14.11.2019 for the project under Rebuild Kerala initiative implemented by Kerala Forest Department.
- Initiated online marketing of Vanasree products and entry to ecotourism destinations by M/s. Streetbell Technologies, Thiruvananthapuram.
- Vide order No.TFD/HO/MFP/VDVK/KL/19-20/24/5203 dated:06.01.2020 Government of India, Ministry of Tribal Affairs through TRIFED had sanctioned formation of 13 VandhanVikasKendras(VDVks) in Wayanad District through the District Collector, Wayanad at a cost of Rs.195.00 lakh during the year. TRIFED has released an amount of Rs.195.00 lakh directly to the District Collector, Wayanad. Sanction was accorded for formation of 8 VDVks under various Panchayaths and 5 by various Tribal Co-operative Societies under Enoor Charitable Society in Wayanad District.

#### **4.4.9 Consultants engaged / Services utilized during 2019-20**

1. The services of M/s. IFG & TB, Coimbatore, a Government of India undertaking was utilized for the conduct of carrying capacity study in four ecotourism sites of South Wayanad FDA.
2. The service of Thenmala Ecotourism Promotion Society (TEPS) has been utilized for conducting the "Evaluation of the facilities provided to ecotourists in community based eco-tourism centres managed by Forest Department through participatory approach in Trivandrum and Kollam District". Through the study 10 ecotourism sites of Kollam and Thiruvananthapuram districts were conducted.

#### 4.4.10 New Projects launched

A project with an outlay of **Rs. 800 crores** was approved under Rebuild Kerala Initiative (RKI) for implemented by Kerala Forest Department with the following components.

1) <i>Relocation of private settlements from forests</i>	- Rs. 291.96 crores
2) <i>Acquisition of private estates within forest</i>	- Rs. 385.31 crores
3) <i>Consolidation of mangroves</i>	- Rs. 120.00 crores
4) <i>Feasibility Study and Scoping studies</i>	- Rs. 5.98 crores
<b>Total</b>	<b>- Rs. 800.00 crores</b>

Out of Rs. 130.40 crores approved for the first year implementation, Rs. 24.56 crores have been allotted for meeting the expenditure towards activities for the first quarter. The project has to be implemented in three years starting from 2019-20.

#### 4.5 ECOLOGICALLY FRAGILE LAND (EFL) WING

As on 31.03.2020, the State has 135.997 Sq.km of ecologically fragile land. EFL Act provides for various grievance redressal mechanisms under Sections 10, 10(A) and 19 (3) (b) of the Act. Out of the 1050 valid applications received under Section 10 (A), 1017 were settled. valid applications were received under Section 19 (3) (b), of which 254 have been disposed. Rest of the applications are at various stages of disposal.

#### 4.6 FORESTRY INFORMATION BUREAU (FIB)

Forestry Information Bureau is the public relations and extension arm of the Department FIB has brought out the monthly magazine of the department, 'Aranyam' since August, 2015 the magazine is at par with existing National level publications, in the field of forestry and wildlife aspects, in its quality and contents. This monthly magazine is well appreciated by the more than 1000 annual subscribers. 'Aranyam' is now upgraded and equipped with multi colour pages.

During the year, the Bureau has printed and distributed

- (i) Forest Guide 2020,
- (ii) A hand book of "**Sabhalam – Samaksham**" **Vana adhalathiloode...**
- (iii) An environment album "**Kaadakam**" – is created in connection with World Environmental Day

- (iv) An exhibition was conducted with a handbook of achievements on the occasion of the 1000 days of the Government and photo albums of Haritha Keralam & World Environmental Day.
- (v) During 2019-20, the exhibition wing of FIB organized a total of 10 exhibitions 50 workshops and film shows in the State. In addition to this, the FIB had designed the contents for celebrations of World Forest Day(March-21), World Environmental Day(June-5),Snake Bird Day(June-22), Forest Martyr's Day (September -11), Wildlife week (October 2-8) and other publicity works.

#### **4.7 FOREST MANAGEMENT (FM) WING**

The Forest Management (FM) wing maintains statistics on forest land prepares and submits proposals for declaration of new reserves, implements restoration of vested forests to owners based on Court judgments, prepares proposals for acquisition of land etc.

#### **Major Achievements**

##### **4.7.1 Demarcation of Forest Boundaries**

The major activities taken up in the department during 2019-20 were survey of forest boundaries, forest protection and regeneration of denuded forests. Boundary demarcation was carried out by construction of cairns and "kayyalas"(dwarf walls) along the boundary of the forests. Degraded forest areas were rehabilitated by planting in gaps with the local species. Protection of the forests from fire was carried out mainly by undertaking fire lines and engaging fire protection watchers. The achievements under the above activities during the current year are given below.

Table 28 - Demarcation of Forest Boundaries as on 31.03.2020.

Sl No.	Boundary Demarcation	Length(km)
1	Total length of forest boundary	16845.81
2	Length of Natural boundary not requiring demarcation	5291.07
3	Total length of boundary requiring demarcation	11554.74
4	Total length of boundary demarcated	9541.83

SI No.	Boundary Demarcation	Length(km)
5	Length of boundary which require demarcation as on 31.03.2019	2012.68
6	Junda constructed during 2019-20	11779
7	Approximate no. of Jundas to be constructed for completing boundary consolidation	15846

#### 4.7.2 E-auction

In November 2014, e-auction of timber was introduced in the Department. As on today, 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. Officials were trained for implementing e- auction and technical assistance is given to the public and buyers.

#### 4.7.3 Forest Land Lease

Details of forest land leased out to various agencies on long term agreement as on 31.03.2020 are as follows.

Table 29 - Forest Land Leased out to various Agencies

SI No.	Boundary Demarcation	Length(km)
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	6629.463
8	Munnar	2385.545
9	Kothamangalam	312.475
10	Marayoor	18.200
11	Mankulam	146.840
12	Malayattoor	4225.143
13	Vazhachal	2278.744



Sl No.	Boundary Demarcation	Length(km)
14	Chalakkudy	3616.878
15	Thrissur	1671.147
16	Nenmara	3943.630
17	Palakkad	326.540
18	Mannarkkad	515.471
19	Nilambur (North)	480.5532
20	Kozhikkode	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	1361.123
28	Parambikulam	2455.228
29	Wildlife Wayanad	321.560
	<b>Total</b>	<b>55389.331</b>

#### 4.7.4 Encroachment

The extent of encroachment to be evicted from forest land was estimated during the year and was confirmed as 5021.682 Ha.

Table 30 - Encroachment of Forest Land as on 31.03.2020

Circle	District	Division	Extent of encroachment to be evicted (Ha.)
Southern Circle, Kollam	Pathanamthitta	Konni	10.59
		Ranni	1.74
	Kollam	Thenmala	7.22
	<b>Total</b>		<b>19.55</b>

Circle	District	Division	Extent of encroachment to be evicted (Ha.)
High Range Circle, Kottayam	Ernakulam	Kothamangalam	434.04
	Kottayam	Kottayam	105.88
	Idukki	Munnar	1099.65
		Marayoor	.03
		Mankulam	358.43
	Total		1998.03
Central Circle, Thrissur	Thrissur	Thrissur	189.88
		Chalakkudy	.26
	Ernakulam	Malayattoor	126.65
	Total		316.79
Eastern Circle, Palakkad	Malappuram	Nilambur North	657.87
		Nilambur South	2.12
	Palakkad	Palakkad	37.68
		Mannarkkad	664.32
		Nenmara	237.65
	Total		1599.65
Northern Circle, Kannur	Kozhikode	Kozhikode	63.68
		Kozhikode (Timber sale)	.52
	Wayanad	Wayanad South	717.63
		Wayanad North	230.51
	Kannur	Kannur	50.66
		Kasargod	22.67
	Total		1085.66
Wildlife Circle, Palakkad	Kannur	Aaralam WL	2.00
	Total		2.00
Grand Total			5021.68

#### 4.8 INFORMATION TECHNOLOGY (IT)

This Wing was established as part of the Kerala Forestry Project with the objectives of building the capacity of staff to use and manage information, facilitating flow of information within KFD units, mainstreaming use of IT particularly

Database Management System and Geographic Information System, expanding internet connectivity and increasing the availability of key reference data sets such as an updated forest inventory to users within the KFD. This wing facilitates implementation of e-Governance initiatives, Digital Service Delivery and also strengthening of Wireless Communication facility of the Department.

#### **4.8.1 Major Achievements**

- Computerization of Offices in KFD upto the Forest Station Level
- Implementation of Online FMIS modules to facilitate flow of information within KFD units.
- Generated Basic GIS Layers for the entire Forest Areas of Kerala and prepared various thematic maps like Administrative boundaries upto section level, Reserve Forest boundary layer, Protected Area boundary layer, Plantation Area layer, Watershed layer, Tribal Settlements within forest area etc.
- Prepared Forest Atlas for 26 Forest Divisions in Kerala
- Implemented Kerala Forest GEO-PORTAL with the assistance of Kerala State Spatial Data Infrastructure (KSDI) which is an online solution where the field officer gets output layers of their choice. Field officer can also overlay the layers over Google map and Bhuvan images.
- Established a dedicated Video Conferencing facility for the Department connecting Forest Headquarters and Circle Offices.
- Hosting of Departmental Website
- As part of strengthening wireless communication network had installed 19 Repeater Wireless Stations, 97 Fixed Wireless Base Stations and 61 Mobile Wireless units.

#### **4.8.2 Physical Achievements during 2019-20**

- Centralized procurement of Computers and Peripherals – Procured 117 Nos. of Personal Computers, 30 Nos. of Laptops, 13 Nos. of A3 Monochrome Multi function Printers, 2 Nos. of A3 Colour Multi function Printers and 5 Nos. of Laser Printer.
- Procurement of Digital Wireless Equipment: Repeater sets- 2 Nos., Base Sets – 17 Nos., Mobile Sets -11 Nos.

- Annual Maintenance Contract was awarded for 696 personal computers and 83 Nos. of Online UPS.
- ArcGIS Software in GIS unit at Forest Head Quarters was upgraded and AMC was executed for 3 years.
- Unified Threat Management (UTM) device in Forest Head Quarters upgraded and AMC executed for 5 years.

#### **4.9 HUMAN RESOURCE DEVELOPMENT (HRD) WING**

In-service training programmes for various categories of staff and officers working in the Forest Department are organised in the Forest Training Centre regularly.

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 the Section Forest Officers and the 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.

During 2019-20, induction training for Beat Forest Officers and compulsory training of Deputy Range Forest Officers & Range Forest Officers (\*FNTR Category) were conducted at the State Forest Training Institutes (SFTI), Arippa & Walayar. 236 Beat Forest Officers, 40 Deputy Range Forest Officers, 1 Wildlife Assistant Grade- II and 26 Range Forest Officers had attended the above training. Apart from this 274 Beat Forest Officers had undergone KEPA training 254 frontline staff were undergone training on fire safety measures.

#### **4.9.1 In-service Training**

Short term in-service training courses at the Forestry Training Centre, PTP Nagar, Thiruvananthapuram are organized for the following categories of officers/staff.

- Assistant Conservator of Forests
- Range Forest Officers
- Deputy Range Forest 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 574 officials from the above categories.

#### **4.9.2 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, Aripa.

#### **4.9.3 STP Trainings**

The Department has actively utilised the trainings as per the State Training Policy (STP) organised by the Institute of Management in Government at its Centers in Thiruvananthapuram, Kochi and Kozhikode during 2019-20.

#### **4.9.4 Deputation of IFS Officers/State Service Officers for Trainings/Workshops**

During the year 60 officers were deputed to various training courses sponsored by the MoEF and other organizations of Gol and the State Government in different premier institutions in the country.

During the year, 1310 officials in the various cadres of the department were imparted training through the different training programmes. An abstract of the same is given below.

Table 31 - Participants in the various Training Programmes

Sl.No.	Institute	No. of Participants
I	SFTI Aripa	219
II	SFTI Walayar	172
III	FTC, Thiruvananthapuram	29
IV	IMG, Thiruvananthapuram	545
V	Other trainings	11
VI	KEPA Training	274
	<b>Sub Total</b>	<b>1250</b>
<b>Training attended in Institutions Outside Kerala</b>		
I	EEI, Hyderabad	6
II	IFGTB, Coimbatore	14
III	CASFOS, Dehradun	11
IV	CASFOS, Burnihat	14
V	CASFOS, Coimbatore	4
VI	FRI, Dehradun	2
VII	FSI, Dehradun	5
VIII	Foreign Training (Thailand, Malaysia)	4
	<b>Sub Total</b>	<b>60</b>
	<b>Grand Total</b>	<b>1310</b>

#### 4.10 SOCIAL FORESTRY WING

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.

##### 4.10.1 Haritha Kerala Padhathi

Haritha Keralam Scheme was started in the year 2009-10 with the objective of greening Kerala by way of distributing seedlings free of cost to schools, higher educational institutions, planting in public lands and for media, political parties, and youth organisation based on Government orders issued from time to time. The scheme also included production of seedlings and supply at subsidized rate to local self-government bodies, media, public and other organizations and 63.18 lakh of valuable seedlings have been distributed to public and planted all over the State involving the various agencies as stated above. So far, XI phases of Haritha Keralam Scheme have been implemented, and the distribution of seedlings to various agencies during these phases is given below

Table 32 - Distribution of Seedlings during 2019-20

Sl.No.	Haritha Keralam	No. of seedlings distributed (in lakhs)
1.	Phase – I (2009-10)	31.40
2	Phase – II (2010-11)	79.51
3	Phase – III (2011-12)	70.44
4	Phase – IV (2012 -2013)	87.97
5	Phase – V (2013-14)	83.68
6	Phase – VI (2014-15)	73.01
7.	Phase – VII (2015-16)	72.61
8	Phase – VIII (2016-17)	65.29
9	Phase – IX (2017-18)	66.12
10	Phase – X (2018-19)	78.15
11	Phase – XI (2019-20)	63.18

#### 4.10.2 Production of seedlings for Haritha Keralam Padhathi (Phase–XI)

It was decided to implement the Phase– XI programme of Haritha Keralam Scheme during 2019-20. For this purpose, about 57.70 lakhs seedlings were raised during 2019-20 for distribution to public and for departmental planting during the planting season of 2020-2021.

#### 4.10.3 Vazhiyorthanal Programme

This programme envisages planting of seedlings of more than one year old age on the sides of important roads/ institutions/avenues in Kerala. During 2019-20 about 1.61 lakhs seedlings were planted.

#### 4.10.4 Scheme for Incentivization 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 was 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, mahogany, Anjali, plavu, rosewood, kambakom, kumbil, kunnivaka and thembavu. The scheme is being implemented through individual farmers, VSS, EDC, Kudumbasree units, Self Help Groups, farmer's co-operatives and NGOs. Those who are planting a minimum of 50 seedlings in their land will be eligible for incentive.

Table 33 - Amount of Incentives.

(a)	From 50-200 plants	<b>Rs. 50</b> per plant.
(b)	From 201-400 plants	<b>Rs. 40</b> per plant with a minimum of Rs.10000.
(c)	From 401 to 625 plants	<b>Rs. 30</b> per plant with a minimum of Rs.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 2019-20, Rs10.08 lakhs were given as incentive to farmers.

#### **4.10.5 Conservation & Management of Mangroves in Vembanad & Kannur regions:-**

The wing has been implementing Centrally Sponsored Scheme for Conservation and Management of Mangroves in Vembanad and Kannur regions since 2006-2007. The funding pattern of the scheme is in the ratio 60:40 by Government of India and Government of Kerala respectively. During 2019-20 an amount of Rs. 54.41 lakhs was allotted to Vembanad region and Rs 52.48 lakh for Kannur region which were fully utilized.

#### **4.10.6 Biodiversity conservation works done outside Reserve Forests**

##### **4.10.6.1 Protection and Conservation of Sacred Groves**

Government vide G.O (Rt) 354/2013/F&WLD dated 12.09.2013 had issued administrative sanction for the implementation of the scheme for protection and conservation of Sacred Groves. The scheme extends financial support to the owners of sacred Groves with a view to preserve 'Kavu', the rich repository of biological resources. As per revised guidelines issued vide G.O (Rt) no. 485/16/F&WLD dated 24.12.2016 an amount of Rs.11.28 lakh was distributed to Sacred Grove owners in Kollam, Ernakulam & Kozhikode regions for the up keep and maintenance of Sacred Groves during 2019-20.

##### **4.10.6.2 Mangrove Incentivisation**

The owners of mangroves are being awarded monetary incentive @ Rs.4000/-per acre for their noble gesture for conserving the remaining existing mangroves and protecting them from destruction; there by making available



ecosystem services to the society.

The scheme is being implemented by Social Forestry Wing as per guidelines issued vide G.O. (Rt) No. 485/16/F&WLD dated 24.12.2016. The Assistant Conservator of Forests (SF) of each district will invite applications by giving wide publicity on the scheme through the media. The interested owners shall apply to the Assistant Conservator of Forests (SF) of the concerned district in the prescribed format along with proof of ownership and a sketch of the area. The District Committee will decide on the extent of the mangrove and the amount of incentive to be paid to the owner of the mangrove. No applications were received during 2019-20.

#### **4.10.6.3 Vanamithra Award**

Vanamithra award is being given to individuals, educational institutions, NGOs, farmers etc. considering their activities which contribute to the conservation of biodiversity, agro-biodiversity etc. Selection of eligible nominees are done according to the guide lines issued as per G.O (Rt)No.485/F&WLD dated 24.12.2016 , a total of 15 nominations were selected during 2019-20 and awards were distributed @Rs.25000/-each.

### **4.11 SPECIAL AFFORESTATION WING**

#### **Implementation & Monitoring of Forest (Conservation) Act, 1980**

The Nodal Officer deals with processing of applications received for the use of forest land for non-forestry purposes in the light of Forest (Conservation) Act, 1980. All the proposals received during 2019-20 which were verified to be complete were processed and assigned to DFOs for further recommendations. Clearance was accorded in most of the cases. Pending application are being processed at various levels.

**Table 34- Forest Land Diverted under FCA 1980 during 2019-20**

Sl.No.	Purpose	Order No. and Date	Area (Ha.)
	<b>Stage II</b>		
1	Diversion of forest land for construction of Vadakkumpadam Thampuratti parampu road in Trissur forest division.	F.no 4-KLB1201/2019-BAN/ 2018-21 dated 23/02/2020	0.54
	<b>Total</b>		<b>0.54</b>

Sl.No.	Purpose	Order No. and Date	Area (Ha.)
<b>Stage I</b>			
2	Diversion of forest land for GAIL cross country RLNG gas pipe laying project KKBMPPL from kochi to Bangaloor and Mangloor crossing seven districts of kerala	F.no 4-KLB1181/2018-BAN/260 dated 15/05/2019	0.33
3	Diversion of forest land for electrification in peruvampadam forest area in Malapuram district under total electrification scheme	GO (Rt) no 34/2020/F&WLD dated 11/02/2020	0.0106
4	Diversion of forest land for electrification in Malady forest area in Malapuram district under total electrification scheme	GO (Rt) no 37/2020/F&WLD dated 13/02/2020	0.0149
5	Diversion of forest land in Kunjithanni village in Munnar for the implementation of upper Sengulam small hydro electric project in favour of KSEB	F.no 4-KLB1188/2019-BAN/238 dated 26/11/2019	0.95
6	Diversion of forest land for elephant rescue and rehabilitation center at Kottur in TVM	F.no 8-22/2019-FC dated 15/11/2019	57.02
7	Diversion of forest land for widening of two lane NH in the six Lane NH Wadakancherry to Mannuthi NHDP in favour of NHAI palakkad	F.no 4-KLB1220/2019-BAN/1642 dated 31/01/2020	1.4318
	<b>Total</b>		59.76

#### **4.11.1 Supervising activities in respect of issue of license to Wood - Based Industries (WBI):-**

A State level committee was constituted to deal with the applications on No Objection Certificate (NOC) for WBI. The power to issue license was delegated to Divisional Forest Officers / Wild Life Wardens by the committee as per Kerala Forests (Regulation of Saw mill and other Wood Based Industries) Rules 2012.

#### **4.11.2 State Compensatory Afforestation Fund Management and Planning Authority (CAMPA):-**

The funds under CAMPA were released from the Adhoc CAMPA based on approved APOs submitted from the States. The APOs are to be approved by the Executive Committee and Steering Committee of State CAMPA. The Annual Plan of Operations for 2016-17 & 2017-18 and 2018-19 were approved by State CAMPA Executive Committee held on 07.03.2018 for an estimated cost of Rs.736.40 lakhs

and Rs.910 lakhs respectively. The same was approved by the Steering Committee chaired by Chief Secretary Kerala which was held on 07.03.2018 and submitted to Adhoc CAMPA for fund release. Adhoc CAMPA released a total of Rs.14.61 crores for 2016-17, 2017-18 and 2018-19 APOs. The amount was distributed to sub offices for the implementation of works as per approved APO. The Annual Plan of Operations for the financial year 2019-20 is not sanctioned by the Central Government.

Table 35- CAMPA- Target and Achievement up to 2019-20.

Sl. No.	Component/Particular of the work	Financial target (Rs. In lakhs)	Expenditure as on 31.03.2020 (Rs. In lakhs)
<b>I</b>	<b>Compensatory Afforestation Funds</b>		
1	Compensatory Afforestation	36.47	18.93
2	Preparatory work for setting permanent nursery (StageI)	30	.19
3	Completion of Central Nursery work (Phase II)	210	10.97
<b>II</b>	<b>Forest &amp; Wildlife Protection</b>		
1	Interior Camp Sheds	27	21.46
2	Field Ration	36	33.26
3	First Aid		
4	Soil and moisture conservation/Gully plugging	24	26.43
5	Mtce of Patrolling Routes /Trek Paths	14.4	10.53
7	Mtce of check dams and desilting	13.6	9.17
9	Better connectivity includes culverts/ footbridges, roads	16	16.59
10	River Bank Stabilization / protection	5	2.83
11	Construction of Chappath / Bridge	29	19.27
12	Construction of Rainwater harvesting/WaterRetention	2.10	1.91
13	Organising joint patrolling and raids	.5	.5
14	Creation of Kayyalas	7	4.18
15	Digging water holes/ponds	16	28.18
16	Provision for Elephant Corridor	10	
<b>III</b>	<b>Forest Fire Management</b>		
1	Fire Mazdoor/Fire Gangs	216.03	239
2	Fire watch station	1	1

Sl. No.	Component/Particular of the work	Financial target (Rs. In lakhs)	Expenditure as on 31.03.2020 (Rs. In lakhs)
<b>IV</b>	<b>Biodiversity Conservation</b>		
1	Eradication of Exotic weeds	20	20.06
2	Turtle Conservation & Monitoring	5	3.08
3	Bird Survey and Conservation	2	1.53
4	Plant Diversity		
<b>V</b>	<b>Infrastructure Development</b>		
1	Provide basic infrastructure to tribal settlement including provision for LPG connection	5	4.81
<b>VI</b>	<b>Human Animal Interface</b>		
1	Engaging watchers to mitigate human animal interface	24	
2	Preparation of detailed GIS based system of managing human animal interface	3	
3	Creation of Elephant proof trench	13	12.01
<b>VII</b>	<b>Capacity Building</b>		
1	Awareness Programme	3	2.23
2	Conducting Nature Camps	3.5	4.08
3	Training to protective staff in batches of 20 to 30 persons	06	06
4	Training and Workshop	1	.83
5	Landscape based training center	29.8	7.2
	<b>Total</b>	<b>796</b>	<b>500.83</b>

#### 4.12 VIGILANCE WING

As per the Government Order, GO(Ms) No.4/75/AD dated 21.01.75 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 inquiry.

- Nepotism of staff
- Causing wrongful loss to Government property or revenue losses 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.

#### 4.12.1 Forest Intelligence Cell

The secret information collected by the Forest Intelligence Cell has resulted in detection of serious offences and arrest of accused, especially in wildlife crimes. During 2019-20, an amount of 190000/- has been disbursed as remuneration to informants.

Table 36 - Contrabands Seized by Forest Intelligence Cell during 2019-20

Sl.No	Article Seized	Seized by	Offence
1	Chinamomum Malabarrium - 7 Nos	Flying Squad Range Kannur	OR 01/2019
2	Barn Owl -1Nos	Flying Squad Range Kannur	OR 02/2019
3	Collecting and exporting of Tusks -2 Nos	Flying Squad Range Kannur	OR 03/2019
4	Rose Wood 3 Round Logs	Flying Squad Range Kasargod	OR 06/2019
5	Sandal 94Kg	Flying Squad Range Kasargod	OR 07/2019
6	Teak Logs 15 Nos	Flying Squad Range Kasargod	OR 08/2019
7	Monitor Lizard 1.5 Kg	Flying Squad Range Kasargod	OR 09/2019
8	RoseWood Round Logs - 17 Nos	Flying Squad Range Kasargod	OR 01/2019
9	Sandal 3.25 Kg	Flying Squad Range Kasargod	OR 02/2019

Sl.No	Article Seized	Seized by	Offence
10	Ivory - 1 Nos White Plastic sack - 1No KI-01-07-2037 Autoriksha	Flying Squad Range Nilambur	OR03/2020 - NFS
11	Sandal Wood Pieces 8 Nos, Good Carrier Auto & Key 1 Nos Chopping Kinfe - 1 Nos, Axe - 1 Nos, Hand Sow - 1No Tarpaulin Sheet - 1Nos, Plastic Rope - 1 Nos	RO Flying Squad Range Nelliampathy	NFS - OR01/2019 DT:17 -05 - 2019
12	Teak Logs - 3 Nos Teak Firewood - 1 Mt Venga Logs 8 Nos Machine Sow - 1No Plastic rope - 1Nos Chopping	RO Flying Squad Range Palakkad	NFS - OR03/2019 DT:12-06-2019
13	Sand Boa Snake 1 No Carry Bag - 1 Nos RC Book, Insurance Certificate, Tax & Permit, Pollution Certificate Nos each Mobile Phone 1 No Aadhar card - Nos	RO Flying Squad Range Palakkad	NFS - OR02/2019 DT:16 - 03 - 2019
14	9.5 Kg Sandal	RO Flying Squad Range Palakkad	FSP OR 4/2019 DT:11/04/2019
15	13.5 Kg Sandal	RO Flying Squad Range Palakkad	FSP OR 5/2019 DT:18/07/2019
16	Pangolin	RO Flying Squad Range Nelliampathy	FSP OR 6/2019 DT:21/10/2019
17	Miscellaneous Logs-101 Nos	RO Flying Squad Range Palakkad	FSP OR 7/2019 DT:22/10/2019
18	Pangolin	RO Flying Squad Range Palakkad	FSP OR 8/2019 DT:22/10/2019
19	Sambar Meet	RO Flying Squad Range Palakkad	FSP OR 1/2019 DT:07/02/2020.
20	Antler	RO Flying Squad Range Thrissur	FST OR 04/2019
21	KL-08-AG-3325 Lorry with Teak Logs	RO Flying Squad Range Thrissur	FST OR 05/2019
22	291 Brush made with Mongoose Hair	RO Flying Squad Range Thrissur	FST OR 06/2019

Sl.No	Article Seized	Seized by	Offence
23	KL-07-AI-380 Lorry & 3 Teak Logs	RO Flying Squad Range Thrissur	FST OR 07/2019
24	Coral reef -6 Nos Sea Cucumber Kept in paper cover	RO Flying Squad Range Perumbavoor	OR 04/2019
25	Sand Boa(Live)-1 No Travel Bag (Black and Red Colour)	RO Flying Squad Range Perumbavoor	OR 05/2019
26	377 Brush made with amongoose Hair	RO Flying Squad Range Perumbavoor	OR 06/2019
27	Star Tortoise 01 alive	RO Flying Squad Range Perumbavoor	OR 07/2019
28	Elephant Tusks-2 Nos Currency counting machine - 1 Nos Kinfe-4 Nos Tata Indica Car KL-07-y-3042 Mobile Phone 4 Nos	RO Flying Squad Range Perumbavoor	OR 01/2020
29	Star Tortoise 01 alive	RO Flying Squad Range Perumbavoor	OR 02/2020
	<b>CF (I&amp;E)Kottayam</b>		
30	Sand Boa -1,Bag-1, Bajaj motore cychile-1, KL-19-J-1085	Flying Squad Range Thiruvananthapuram	OF 01/19 DT .02/05/2019
31	Indian Parrors-60,Cage-2	Flying Squad Range Thiruvananthapuram	OF 01/19 DT .13/11/2019
32	1. Teak Logs - 58 Nos 2. KL-21-D-6424 Swaraj Mazda Lorry, 3. KL-01-E-9897 Honda Unicorn Bike, Machine Cutter Saw 5. Tarpoline	Flying Squad Range Chullimanoor	OF-01-20 Booked for illegal Transportation of teak logs with out valid document in lorry. Case Transferred to palode Range
33	Sandal Wood species - 43 Nos (24.2) Kg	Flying Squad Range Chullimanoor	OF-02/19 Was booked for illegal entry and cutting of andal tree from reserve and illegal possession

#### 4.12.2 Raids conducted and Contrabands seized

During the year, a total of 27 raids were conducted to destroy Ganja plants and illicit brewing. Several vehicles were seized in relation to smuggling of forest products.

#### 4.12.3 Toll Free Telephone Facility

A toll free telephone (No. 1800 425 4733) is installed at Forest Headquarters Thiruvananthapuram to receive complaints and information from the public. This is a 24 hour facility. The information/ complaints received in toll free telephone are recorded in the printed format and passed on to the concerned field officers for necessary further action. The Toll Free telephone facility started operating from 2006 onwards. During 2019-20, total 276 complaints were registered through this facility.

During 2019-20, total 591 petitions/irregularities were enquired into and the details are shown below.

Table 37-Petitions/Irregularities enquired by Vigilance Wing during 2019-20

Sl.No.	Particulars	No. of Cases
1	Illicit felling of trees and smuggling of timber and other forest produce	31
2	Encroachments in reserve forest.	21
3	Irregularities involved in the expenditure on forest works, Misappropriation of Government money.	12
4	Irregularities involved in the execution of departmental works	20
5	Supply Connivances in final felling	1
6	Supply-Sale Coupe	1
7	Irregularities in wild elephants and other animals.	6
8	Shooting of wild elephant and other kinds of animals	3
9	Cases of subordinates misbehavior	8
10	Illicit transport of forest produces belonging to Government	4
11	Corrupt practices in auction	3
12	Assault etc.	27
13	Other kinds of petitions	79
14	Violation of KPT Rules/Act.	13



Sl.No.	Particulars	No. of Cases
15	Violation of WL Act.	21
16	Illicit distillation	0
17	Atrocities against Tribal	3
18	Atrocities against animals	11
19	Illicit collection of rubble and sand.	2
20	Ganja cultivation	0
21	Illicit felling, storage and transport of timber from private lands	13
22	Petition against forest officials.	269
23	Petition against VSS	22
24	Cases involved in smuggling of bamboos and reeds.	4
25	Illicit diversion of water from Periyar	1
26	Press report	4
27	Illicit transport of forest produce not belonging to Govt.	1
28	Allegation of Ganja cultivation, sale of intoxicating liquor	0
29	Irregularities in Taungya and other cases	5
30	Fire occurrence	0
31	Misuse of departmental vehicles	3
32	Possession of Unlicensed Gun	0
33	Misappropriation of money	1
34	Smuggling of sand	2
	<b>Total</b>	<b>591</b>

#### 4.13 WORKING PLAN & RESEARCH (WP & R) WING

Working Plan wing is having seven Working Plan Divisions. They are responsible for preparing Working Plans for 25 territorial Divisions. The Working Plan & Research 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 Silviculture Management. The individual plot wise / species wise data analyzed statistically helps to decipher the trends in the species experiment and will be of immense technical and scientific help for the forestry management in Kerala.

#### 4.13.1 Growing Stock Inventory

The estimation of growing stock with data on species wise individual tree, stand or forest type is conducted. The 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 record are estimated. Biomass Carbon Stock estimation, status of plantations etc. also form part of the growing stock inventory.

#### 4.13.2 Vegetation Survey

It include 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.

#### 4.13.3 Achievements and activities during 2019-20

- **Research North, Thrissur:** The division protected its assets from forest fires by taking measures through creation of 29.525 km of fire line which also provided employment by generation of 1199. man days of work. The division maintained 18 Seed Production Areas (SPAs) in various Ranges.
- **Research South, Thiruvananthapuram:** Permanent Preservation Plots, Seed production areas of teak, Sandal, Lagerstroemia, Teak seed orchards, Moist deciduous experimental plots etc. are being maintained and protected. Quality, viable seeds were collected from different Seed Production Areas and sent to Seed Centre, Peechi for evaluation, storage and sale.
- **Working Plan office, Achenkovil:** The revision exercise for the Working Plan of Kottayam Forest Division for the period from 2017-18 to 2026-27 is completed and approved by MoEF, Government of India.
- **Forest Resource Survey Cell (FRSC), Thrissur:** The Forest Research Survey Cell, Thrissur has engaged for the preparation of New Working plan of Chalakkudy Forest Division for the period 2020-21 to 2029-30. The Working plan of Chalakkudy Forest Division was almost completed and the draft working plan is submitted for approval of Standing Consultative Committee.

- **Working Plan Office, Palakkad:-** The Working Plan Officer Palakkad is engaged for the preparation of New Working plan of Palakkad Forest Division for the period 2019-20 to 2028-29, the Sample plot survey, enumeration, Grid enumeration has been completed and the draft working plan is submitted for approval of Standing Consultative Committee.

#### 4.13.4 New Projects

**Forest Plus 2.0** – Kerala's Thiruvananthapuram landscape is one of the three areas in India identified for the implementation of the project by MoEF & CC. The project, which started in 2018, with the technical support of United States Agency for International Development (USAID), aims at developing tools and techniques to bolster ecosystem management and harnessing ecosystem services in forest landscape management and includes bringing a larger area under improved management and improving livelihood of forest dependent communities.

#### Research Studies and Surveys:

**Research North, Thrissur:** A comparative study on Root trainer and Stumps was conducted in four plots in Nilambur, Palakkad and Mananthavady units. Measurements were taken and recorded.

**Research South, Thiruvananthapuram:** A comparative study on Root trainer and Stumps was conducted in six plots in Chalakkudy, Kothamangalam and Konni units. Measurements were taken and recorded.

**Status of working plan:** Out of 25 Territorial Forest Divisions 19 Divisions are having current Working Plans approved by Government of India.

Table 38 - Status of Working Plans as on 31.03.2020

Sl.No.	Division	Valid till	Status
<i>Divisions where approved Working Plan or Management Plan is available</i>			
1	Thiruvananthapuram	31.03.2014	New working plan is under preperation
2	Thenmala	31.03.2019	New working pLan is under preperation
3	Achenkoil	31.03.2018	New working plan is under preperation
4	Punalur	31.03.2021	Working plan is current

Sl.No.	Division	Valid till	Status
5	Munnar	31.03.2020	Working plan is current
6	Marayoor	31.03.2020	Working plan is current
7	Mankulam	31.03.2022	Working plan is current
8	Thrissur	31.03.2024	Working plan is current
9	Palakkad	31.03.2019	New working plan is under preperation
10	Nilambur(South)	31.03.2024	Working plan is current
11	Mannarkkad	31.03.2022	Working plan is current
12	Kozhikkode	31.03.2021	Working plan is current
13	Kannur	31.03.2023	Working plan is current
14	Wayanad(South)	31.03.2022	Working plan is current
15	Kasargod	31.03.2028	New working plan is under preperation
16	Ranni	31.03.2024	Working plan is current
17	Nilambur(North)	31.03.2025	Working plan is current
18	Konni	31.03.2025	Working plan is current
19	Nenmara	31.03.2025	Working plan is current
20	Kottayam	31.03.2027	Working plan is current
21	Chalakkudy	31.03.2015	New working plan is under preperation
22	Vazhachal	31.03.2014	Working plan is current
23	Malayattoor	31.03.2025	Working plan is current
24	Wayanad(North)	31.03.2025	Working plan is current
25	Kothamangalam	31.03.2026	Working plan is current

#### 4.13.5 Kerala Forest Seed Centre

With the help of Kerala Forest Research Institute, an excellent facility for seed testing, grading and certification at Peechi was established and is known by the name Kerala Forest Seed Centre (KFSC).

Table 39 - Teak Seed Production Areas details (TSPA) as on 31.03.2020

Sl.No.	Location	Forest Division	Year	Extent (Ha)
New TSPA under Research North, Thrissur				
1	Mathamangalam	Thrissur	1977	38.1
2	Begur Bit I		1976	37.3
3	Begur Bit II		1981	51.5
4	Cheeyambam		1981	67.5
5	Pallichira		1978	51.4
6	Changambam		1980	41.10
7	Udayakkara		1981	61.5
8	North Wayanad		1983	54.45
9	Poolakkappara	Nilambur South	1969	55.14
10	Poolakkapara	Nilambur South	1970	44.7
11	Sankarankode	Nilambur South	1961	42.00
12	Nedumkayam	Nilambur South	1970	55.4
13	Cherupuzha	Nilambur South	1971	20.00
14	Nedumkayam	Nilambur South	1972	9.072
15	Nedumkayam	Nilambur South	1973	65.00
16	Kariammuriyam	Nilambur North	1974	51.43
17	Elenchery	Nilambur North	1975	31
18	Aravallikkavu	Nilambur North	1975	25.7
19	Elival	Palakkad	1971	41.84
20	Thakkadi, Pannimudi	Nemmara	1979	52
21	Thakkadi, Pannimudi	Nemmara	1981	60.24
	Sub Total			956.372
TSPA under Research South, Thiruvananthapuram				
22	Kummannor	Konni	1978	17.60
23	Kummannor	Konni	1979	12.50
24	Kummannor	Konni	1980	13
25	Little Kondody	Konni	1965	16.97

Sl.No.	Location	Forest Division	Year	Extent (Ha)
26	Naduvathumoozhy	Konni	1964	12.74
27	Perumthomoozhy	Konni	1963	10.00
28	Chembanaruvi	Konni	1979	67.00
29	Alingamon	Achenkovil	1987	18.28
30	Kodamala	Achenkovil	1987	37.10
31	Adukuzhy	Ranni	1983	45.50
32	Kalaketty	Ranni	1954	42.00
33	Adukuzhy	Ranni	1983	45.50
34	Mullappana	Chalakkudy	1976	126
<b>Sub Total</b>				<b>464.19</b>
	<b>Grand Total</b>			<b>1420.562</b>

## CHAPTER 5

### FINANCIAL RESULTS

#### 5.1 REVENUE AND EXPENDITURE

The Forest Revenue by the way of sale of timber and other forest produce amounting to ₹255.84 crores was realised during the year 2019-20 against the target of ₹287.72 crores. The total expenditure incurred during the year was ₹551.18 crores. Comparative position of revenue and expenditure for the year 2019-20 and 2018-19.

Table -40 Comparative position of Revenue and Expenditure 2018-19 and 2019-20

Year	Revenue (₹ in crores)	Expenditure (₹ in crores)		
		Plan	Non Plan	Total
2019-20	255.84	160.27	390.91	551.18
2018-19	287.20	171.69	398.20	569.89

##### 5.1.1 Revenue

The Forest Department 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 ₹255.84 crores during 2019-20. Major portion of the forest revenue was from timber. During 2019-20, ₹229.31 crores was collected towards revenue from the sale of timber alone which accounted for 89.63% of the total forest revenue.

Table- 41 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 produces.</b>		
1	99 Timber	22931.68
2	98 Firewood and Charcoal	108.01

Sl No.	Head of Account	(₹ in lakhs)
1	2	3
3	97 Receipts from sale of forest produce coming under the Kerala private forest (Vesting and Assignment) Act.	0.04
4	96 Receipts from forest development tax	1244.56
5	95 Receipts under Kerala Forest Produce	16.85
6	94 Other Items	122.21
	<b>Total (101)</b>	<b>24423.35</b>
<b>0406-01-800 Other Receipts</b>		
1	99 Interests on Arrear of Forest Revenue	85.60
2	98 Receipts from Wildlife department	221.65
3	97 Scheme for Provision of House Sites and houses to Landless Worker in Rural Area - Free Supply of Timber	0.00
4	96 Revenue Realised from the KFDC on the sale proceeds of residual growth	1.54
5	95 Other Items	827.93
6	94 Livestock	.34
7	93 Integrated Wasteland Development Programme	0.00
8	91 Receipts on account of Lapsed and Confiscated Deposits	0.24
9	90 Forest Land Lease rent	32.02
	<b>Total (800)</b>	<b>1169.32</b>
	<b>Grand Total</b>	<b>25592.67</b>
	Refunds (0406-01-900-00)	8.20
	<b>Net Revenue</b>	<b>25584.47</b>

#### 5.1.1.1 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 2019-20 an amount of ₹1244.56 lakhs was collected.



## Outstanding on Account of Forest Revenue

An amount of ₹320.40 crores is outstanding on account of forest revenue (arrears) at the end of the year 2019-20.

### 5.1.2 Expenditure

The total expenditure incurred during the year was 551.18 crores.

#### 5.1.2.1 Outlay and Expenditure

The outlay and expenditure during 2018-19 and 2019-20 is given below.

Table - 42 Outlay and Expenditure (₹ in Crores)

Schemes	2018-19		2019- 20	
	Outlay	Expenditure	Outlay	Expenditure
State sector	205.75	121.41	213.60	138.97
Central sector	100.19	50.28	42.41	21.30
EAP	0.00	0.00	0.00	0.00
Total (Plan)	305.94	171.69	256.01	160.27
<b>Non Plan</b>	418.85	398.20	408.99	390.91
<b>Grand Total</b>	<b>724.79</b>	<b>569.89</b>	<b>665.00</b>	<b>551.18</b>

The Plan expenditure under forestry sector during 2019-20 was ₹160.27 crores, which is 62.60% of the total plan outlay. Out of this, state sector accounted an expenditure of ₹138.97 crores and the expenditure for central sector was ₹21.30 crores.

### Developments under 13<sup>th</sup> Five Year Plan

The year 2019-20 was the third year of the 13<sup>th</sup> Five Year Plan. The target and achievement under 13<sup>th</sup> Five Year Plan is given below.

Table -43 Target and Achievement during XIII Five Year Plan (₹ in Crores)

Year	Target	Achievement
2017-18	307.70	188.03
2018-19	305.94	171.69
2019-20	256.01	160.27

### 5.1.2.2 Outlay and Expenditure under Plan Schemes

During 2019-20, an expenditure of ₹16027.744 lakhs was incurred against the budget provision of ₹25601.66 lakhs. Details of budget head wise allotment and expenditure given below.

Table - 44 Achievements on Plan Schemes (Financial) during 2019-20

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)	2800.000	2588.488
2	Forest Protection (Survey of Forest Boundaries & Forest Protection) (4406-01-101-99)	2900.000	1553.489
3	Regeneration of Denuded Forests (2406-01-101-94)	277.000	193.071
4	Non-wood forest produce including Promotion of medicinal plants (2406-01-101-80)	195.000	116.009
	<b>Sub Total</b>	<b>6172.000</b>	<b>4451.057</b>
<b>II</b>	<b>Improving Productivity of Plantations</b>		
1	Hard Wood Species (4406-01-105-87)(1)	800.000	465.630
2	Industrial Raw Materials (4406-01-105-87)(2)	300.000	238.510
	<b>Sub Total</b>	<b>1100.000</b>	<b>704.140</b>
<b>III</b>	<b>Infrastructure Development</b>		
1	Roads (4406-01-070-99)	500.000	225.899
2	Buildings (4406-01-070-97)	1125.000	855.983
	<b>Sub Total</b>	<b>1625.000</b>	<b>1081.882</b>
<b>IV</b>	<b>Bio-diversity Conservation and PA Management</b>		
1	Conservation of Biodiversity(2406-02-110-68)	1280.000	960.992
2	Eco Development Programme (2406-02-110-56)	350.000	244.030
	<b>Sub Total</b>	<b>1630.000</b>	<b>1205.022</b>
<b>V</b>	<b>Eco-Tourism (4406-01-800-91)</b>	<b>510.000</b>	<b>197.215</b>
<b>VI</b>	<b>Eco-Tourism-Project Green Grass (2406-01-800-52)</b>	<b>20.010</b>	<b>0.000</b>

SI No.	Scheme & Head of Account	Financial (₹ in lakhs)	
		Budget Outlay	Expenditure
<b>VII</b>	<b>Human Resource Development</b>		
1	Training (2406-01-003-97)	395.000	302.759
<b>VIII</b>	<b>Resource Planning &amp; Research (2406-01-004-92)</b>	<b>250.000</b>	<b>149.252</b>
<b>IX</b>	<b>Forest Management Information&amp;GIS (2406-01-800-57)</b>	<b>150.000</b>	<b>56.632</b>
<b>X</b>	<b>Extension Community Forestry &amp; Agro Forestry (2406-01-800-55)</b>		
1	(01) Extension Forestry	1400.000	1088.735
<b>XI</b>	<b>Works with assistance from RIDF (4406-01-800-90)</b>	<b>2500.000</b>	<b>816.895</b>
<b>XII</b>	<b>Measures to reduce Man Animal Conflict (2406-01-800-56)</b>	<b>2400.000</b>	<b>2063.583</b>
<b>XIII</b>	<b>Zoological Park, Wildlife Protection and Research Centre, Puthur (2406-02-110-48)</b>	<b>500.000</b>	<b>500.000</b>
	<b>Sub Total (A)</b>	<b>18652.010</b>	<b>12617.172</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)	87.500	38.950
2	Wayanad Wildlife Sanctuary (2406-02-110-39)(02)	125.000	80.136
3	Idukki Wildlife Sanctuary (2406-02-110-39)(03)	102.500	44.919
4	PeehiVazhani Wildlife Sanctuary (2406-02-110-39)(04)	102.500	56.605
5	Wildlife Sanctuary - Peppara (2406-02-110-39)(05))	70.000	36.335
6	Wildlife Sanctuary - Schendurney (2406-02-110-39)(6)	90.000	42.384
7	Wildlife Sanctuary - Chimmoney (2406-02-110-39) (7)	112.500	52.767
8	Wildlife Sanctuary - Aralam (2406-02-110-39) (8)	112.500	61.340
9	Wildlife Sanctuary - Chinnar (2406-02-110-39) (09)	70.000	40.518
10	Bird Sanctuary at Thattekkad (2406-02-110-39)(10)	55.000	33.392
11	Mangalavanam Bird Sanctuary (2406-02-110-39)(11)	10.000	7.521
12	Kurinjimala Sanctuary (2406-02-110-39)(12)	20.000	16.578
13	Chulannur Peacock Sanctuary (2406-02-110-39)(13)	15.000	9.809
14	Malabar Wildlife Sanctuary (2406-02-110-39)(14)	40.000	27.477

Sl No.	Scheme & Head of Account	Financial (₹in lakhs)	
		Budget Outlay	Expenditure
15	Kottiyoor Wildlife Sanctuary (2406-02-110-39)(15)	45.000	27.432
	<b>Sub Total</b>	<b>1057.500</b>	<b>576.163</b>
<b>ii.</b>	<b>National Parks</b>		
1	Eravikulam National Park(2406-02-110-38)(01)	110.000	66.634
2	Silent Valley National Park(2406-02-110-38)(02)	150.000	76.839
3	Anamudi Shola National Park(2406-02-110-38)(03)	30.000	25.345
4	Mathikettan Shola National Park(2406-02-110-38)(04)	30.000	24.644
5	Pampadum Shola National Park(2406-02-110-38)(05)	40.000	31.949
	<b>Sub Total</b>	<b>360.000</b>	<b>225.411</b>
<b>iii.</b>	<b>Community Reserve</b>		
1	Integrated Development of Wildlife Habitats Management of Community Reserve (2406-02-110-37)(01)	17.500	8.377
	<b>Sub Total</b>	<b>17.500</b>	<b>8.377</b>
<b>iv.</b>	<b>Project Tiger</b>		
1	Periyar Tiger Reserve (2406-02-110-36)(01)	700.000	564.856
2	Parambikulam Tiger Reserve (2406-02-110-36)(02)	610.000	501.916
	<b>Sub Total</b>	<b>1310.000</b>	<b>1066.772</b>
<b>v.</b>	<b>Project Elephant (2406-02-110-35)</b>	950.000	628.208
<b>vi.</b>	<b>Forest Fire Prevention Management Scheme (FPMS) (2406-01-800-53)</b>	400.000	224.869
<b>vii.</b>	<b>Integrated Development of Wildlife Habitat (Protection of Wildlife Outside Protected Areas) (2406-02-110-52)</b>	0.000	0.000
<b>viii.</b>	<b>Nilgiri Biosphere Reserve (2406-02-110-34)</b>	390.000	18.853
<b>ix.</b>	<b>Agasthyamala Biosphere Reserve (2406-02-110-33)</b>	390.000	24.829
<b>x.</b>	<b>**Wetland Conservation(2406-02-110-32)</b>	425.000	1.000
<b>xi.</b>	<b>Integrated Development of Wildlife Habitats to Wayanad Wildlife Sanctuary for Voluntary Relocation of Settlements from Protected Areas (2406-02-110-31)</b>	100.000	0.000

Sl No.	Scheme & Head of Account	Financial (₹ in lakhs)	
		Budget Outlay	Expenditure
xii. Green India Mission			
1.	National Afforestation Programme – General Component (2406-01-102-86)	876.100	0.000
2.	National Afforestation Programme - Special Component Plan for Scheduled Castes (SCP) (2406-01-789-99)	79.440	79.440
3.	National Afforestation Programme - Tribal Area Sub Plan (TSP) (2406-01-796-99)	17.460	0.000
	Sub Total	973.000	79.440
	Sub Total (B)	6373.000	2853.922
C	Schemes with Central Assistance (75% CSS)		
1	Minimum Support Price For Minor Forest Produce (2406-01-105-89)	556.650	556.650
	Sub Total (C)	556.650	556.650
D	Assistance to Kerala Agricultural University		
1	Assistance to Kerala Agricultural Unversity to support the training and extension needs of Kerala Forest Department (2415-01-277-86)	20.000	0.000
	Sub Total (D)	20.000	0.000
	Grand Total (A+B+C+D)	25601.66	16027.744

\*\* Under Wetland Conservation GOI approved ₹178.2017 lakhs. As per Order No F3(1)/17/2002 Dated.21.10.2019 of MoFF, GOI & Order No F.No.3-14/2005-CS(M) dated. 21.10.2019 of MoFF, GOI. GOI released an amount of ₹54.411 lakhs and ₹52.51002 lakhs respectively.(Total of ₹106.921 lakhs) through bank account. Total expenditure under the scheme is ₹107.790 lakhs( ₹1 lakh by BAMS &106.79 lakhs by Bank account)

#### 5.1.2.3 Outlay and Expenditure under Non-Plan Schemes

An expenditure of ₹39091.804 lakhs was incurred against the budget provision of ₹40899.580 lakhs during 2019-20. Details on budget head wise allotment and expenditure are shown in table number 45.

Table - 45 Achievements on Non-plan Schemes (Financial) during 2019-20.

SI No.	Scheme & Head of Account	Financial (₹in lakhs)	
		Outlay	Expenditure
I Direction & Administration (2406-01-001)			
1	Office of the Chief Conservator of Forests (2406-01-001-99)	1634.320	1540.981
2	Office of the Conservator of Forests (2406-01-001-98)- Circle Office	715.300	757.70
3	Working Plan & Research Circle (2406-01-001-97)	72.420	652.768
4	Vigilance & Evaluation Wing (2406-01-001-96)	1754.020	1613.022
5	District Offices (2406-01-001-95)	12917.450	13316.154
6	Statistical Cell (2406-01-001-94)	4.560	4.282
7	Timber Sales Division (2406-01-001-93)	667.840	659.657
8	FD Fund Collection of add. tax on sales of Forest Produce (2406-01-001-92)	0.010	0.000
	Sub Total	17765.920	17957.075
II Education & Training (2406-01-003)			
1	Training (2406-01-003-99)	428.810	491.762
	Sub Total	428.810	491.762
III Forest Research (2406-01-004)			
1	Forest Research & Training (2406-01-004-99)	62.430	60.401
2	Payment out of the KFDF for Forest Research (2406-01-004-95)	70.000	69.990
	Sub Total	132.430	130.391
IV Survey and Utilization of Forest Resources ( 2406-01-005)			
1	Forest Resources Survey(2406-01-005-99)	50.520	55.953
2	Survey of Forest Boundaries (2406-01-005-98)	204.150	216.239
	Sub Total	254.670	272.192
V Statistics (2406-01-013)			
1	Planning & Statistical Cell (2406-01-013-99)	196.160	146.708
	Sub Total	196.160	146.708

Sl No.	Scheme & Head of Account	Financial (₹in lakhs)	
		Outlay	Expenditure
VI      Communication & Buildings (2406-01-070)			
1	Roads & Bridges (2406-01-070-99)	56.000	23.724
2	Buildings (2406-01-070-98)	92.510	46.930
Sub Total		148.510	70.654
VII      Forest Conservation Development & Regeneration (2406-01-101)			
1	Forest Consolidation & Acquisition of Private Forests(2406-01-101-99)	4270.930	4018.724
2	Working Plans, Evaluation Survey, etc. (2406-01-101-98)	2.500	2.005
3	Silvicultural Works (2406-01-101-97)	8.000	7.895
4	Fire Protection Work (2406-01-101-96)	17.350	18.159
5	Compensatory Afforestation (2406-01-101-92)	10.000	5.440
6	Amount met out of KFDF for Planting Softwood Trees (2406-01-101-91)	400.000	355.789
7	Transfer to the fund for TEAK under the Kerala Forest Revolving Fund for Teak and Pulpwood Rules,1999 (2406-01-101-90)	879.180	716.127
8	Transfer to the fund for PULPWOOD under the Kerala Forest Revolving Fund for Teak and Pulpwood Rules,1999 (2406-01-101-89)	214.390	165.705
9	Forest Protection (2406-01-101-81)	5054.880	4809.837
Sub Total		10857.230	10099.681
VIII      Social & Farm Forestry (2406-01-102)			
1	Plantation of fast growing species (2406-01-102-99)	389.520	342.532
2	Ecology Development World Bank Assisted Social Forestry (2406-01-102-98)	2659.990	2671.139
3	Ecology Development World Bank Assisted Social Forestry, Phase-II (2406-01-102-92)	152.920	111.277
Sub Total		3202.430	3124.948
IX      Forest Produces (2406-01-105)			
1	Timber & Other Produces removed by Govt. Agencies (2406-01-105-99)	2500.000	1507.530

Sl No.	Scheme & Head of Account	Financial (₹in lakhs)	
		Outlay	Expenditure
2	Firewood & Charcoal removed by Govt. Agencies (2406-01-105-98)	10.000	.462
3	Other Produce removed by Govt. Agencies (2406-01-105-97)	0.080	0.000
4	Timber & Other Produces removed by Consumer (2406-01-105-96)	0.070	0.000
5	Confiscated Forest Produce, Drift wood, etc. (2406-01-105-95)	1.150	.097
6	Livestock (2406-01-105-94)	550.000	541.952
7	Miscellaneous Advance Suspense (2406-01-105-93)	33.000	0.000
8	Teakwood (2406-01-105-92)	1043.280	1158.248
9	Softwood (2406-01-105-91)	105.420	113.293
	<b>Sub Total</b>	<b>4243.000</b>	<b>3321.582</b>
<b>X Other Expenditure (2406-01-800)</b>			
1	Forest Publicity(2406-01-800-98)	62.360	73.662
2	Forest Protection(2406-01-800-95)	1.000	0.000
3	Intensification of Forest Management (2406-01-800-93)	244.890	213.216
4	Relief to Victims Affected by the Attack of Wild Animals (2406-01-800-92)	40.000	32.731
5	Rewards to Informants (2406-01-800-91)	0.500	0.00
	<b>Sub Total</b>	<b>348.750</b>	<b>319.609</b>
<b>XI Wildlife Preservation (2406-02-110)</b>			
1	Wildlife Preservation (2406-02-110-99)	2303.990	2244.227
2	Periyar Tiger Reserve Project (2406-02-110-93)	296.290	279.063
3	Eco-Development Global Environmental Facilities (2406-02-110-69)	102.800	82.462
4	Conservation of Bio-diversity (2406-02-110-68)	518.630	551.450
	<b>Sub Total</b>	<b>3221.710</b>	<b>3157.202</b>
<b>XII LAC ADS (4406-01-101)</b>			
1	Projects under Legislative Assembly Constituency Asset Development Scheme (4406-01-101-97)	99.950	0.000
	<b>Sub Total</b>	<b>99.950</b>	<b>0.000</b>



Sl No.	Scheme & Head of Account	Financial (₹in lakhs)	
		Outlay	Expenditure
<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>40899.580</b>	<b>39091.804</b>

Note: - Since the reconciliation process of the Financial Year 2019-20 was not completed, figures given in tables 44 and 45 are as per the report of Accountant General.

### 5.1.3 Funds received directly from Government of India:

The scheme-wise funds received directly from Government of India and the expenditure incurred during 2019-20 are given below.

Table - 46 Expenditure on funds received directly from the Govt. of India

Scheme	Amount Released during 2019-20 in lakhs)	Expenditure Incurred (₹in Lakhs)
CAMPA	796.00	500.00

Note: APO for the year 2016-17 to 2019-20 were approved by State CAMPA Steering Committee meeting held on 06.02.2018 and was send to Adhoc CAMPA for release of funds. Accordingly, an amount of ₹7.96 crore for the Financial Year 2016-17 & 2019-20 was released during the year 2019-20.

## 5.2 WORKS DONE FOR OTHER DEPARTMENTS/AGENCY

There is no expenditure incurred for the works done during the year for other Government Departments, autonomous bodies, local bodies or other agencies.

## CHAPTER 6

### INFRASTRUCTURE

Better infrastructure facilities are necessary for the effective protection and conservation of Forests as well as sustainable utilization of Forest resources. During the year 2019-20, an expenditure of Rs.855.983 lakhs was incurred on construction of new buildings and repairs of existing buildings. The construction of new roads and improvement and maintenance of old ones were undertaken at an estimated cost of Rs. 225.899 lakhs during the year. The cost of works including infrastructure facilities under NABARD -RIDF scheme was Rs. 816.895 lakhs.

#### 6.1 ROADS

The details of various types of roads maintained by the Forest Department as on 31.03.2020 are shown below

Table 47 – Roads that are maintained as on 31.03.2020

Sl.No.	Type of Road	Length (km)
1	Cement Concrete	47.719
2	Black Topped	493.173
3	Metalled	901.033
4	Earthern Road (un-surfaced)	3453.174
	<b>Total</b>	<b>4895.099</b>

Of the 4895.099 Km the length of Motorable Road is 4159.303 km and that of Non-Motorable Road is 735.796 km. In which 49.433 kms of new forest roads/link roads were constructed by the department in the current year.

#### 6.2 BUILDINGS

A total of 3294 numbers of buildings had been maintained in the Forest Department as on 31.03.2020. The details are given in Table

Table 48 - Buildings as on 31.03.2020

Sl.No.	Type of Building	Number
1	Office Buildings	317
2	Rest Houses / Government Cottages/IB	65
3	Quarters	
	a) Type VI	23
	b) Type V	16
	c) Type IV	55
	d) Type III	204
	e) Type II	696
	f) Type I	389
	g) Other quarters	160
4	Dormitories	90
5	Community Halls	41
6	Forest Stations and Associated buildings	147
7	Other Buildings	1091
	<b>Total</b>	<b>3294</b>

### 6.3 VEHICLES

Forest Department has 795 government vehicles of various kinds for multiple uses by the department. Of these, 686 were in running condition and 109 vehicles were not in a running condition. The detailed list is given below.

Table 49 - Vehicles as on 31.03.2020

Sl.No.	Vehicles	No. of Vehicles		Total Number of Vehicles
		In running condition	Not in running condition	
1	Alpha Pick- up	2	1	3
2	Ambulance/Fire responder	2	0	2
3	Ambassador Car	7	10	17

Sl.No.	Vehicles	No. of Vehicles		Total Number of Vehicles
		In running condition	Not in running condition	
4	Verito Car/ OtherCars	5	0	5
5	Indigo Car	4	6	10
6	Maruti SX4/Ciaz	18	0	18
7	Boat	36	3	39
8	Bolero	111	8	119
9	E Rickshaw	1	0	1
10	Ford Fiesta/ATV-1	3	0	3
11	Gurkha Explorer	1	0	1
12	Innova	35	0	35
13	Invader	9	1	10
14	Mini Lorry	4	0	4
15	Lorry	2	0	2
16	Mahindra Jeep	134	25	159
17	Mahindra Thar / Camper	129	3	132
18	MahindraXylo/ XUV/Scorpio	38	0	38
19	Maruti Gypsy	1	0	1
20	Mini Bus/Bus	23	1	24
21	Mini Van – Tata Ace Magic	0	2	2
22	Motor Cycle	104	47	151
23	Scorpio Getaway	6	0	6
24	Tata Winger	2	2	4
25	Toyota Qualis	9	0	9
<b>Total</b>		<b>686</b>	<b>109</b>	<b>795</b>

### 6.3.1 Purchase of New Vehicles

During 2019-20, the Department purchased 19 Mahindra Thar, 7 Bolero Camper and 2 Fire Responder vehicles.

Table 50 - Vehicles purchased and disposed during the year 2019-20

Sl.No	Vehicle type	Purchased with budget/scheme	Cost of purchase (in Rs)
1	Fire Responder Vehicle	CAMPA	58,822,28
2	Mahindra Thar	CAMPA	1,15,012,13
3	Mahindra Bolero	CAMPA	47,204,78

#### 6.4 ARMS AND AMMUNITION

Necessary Arms & Ammunition had been provided to the Divisional Forest Officers, Range Forest Officers and Forest Station staffs in vulnerable areas for effective protection of forests and wildlife. The details as on 31.3.2020 are given below:-

Table 51 - Arms & Ammunition as on 31.03.2020

Sl. No	Circle/Office	No. of Rifles	No. of Revolvers	No. of Gun/ Pump Action Gun	No. of Tranqui- lizers	No. of Ammunition (Cartridges & Bullets)
1	Southern Circle, kollam	30	11	4	0	346
2	High Range Circle, Kottayam	58	14	5	0	891
3	Central Circle, Thrissur	37	10	1	0	317
4	Eastern Circle, Palakkad	52	8	1	0	1475
5	Northern Circle, Kannur	30	5	0	0	1047
6	Agasthyavanam Biological Park, Thiruvananthapuram	12	7	1	0	1357
7	Field Director Project Tiger Kottayam	94	19	69	0	1765
8	Wildlife, Palakkad	76	15	2	0	1835
9	Inspection & Evaluation, Kottayam	13	6	0	0	311
10	Inspection & Evaluation, Kozhikode	16	8	0	0	440
11	Estate Office, Forest HQs, Thiruvananthapuram	10	0	0	0	4065
	<b>Total</b>	<b>428</b>	<b>103</b>	<b>83</b>	<b>0</b>	<b>13849</b>

## CHAPTER 7

### DEPARTMENTAL PUBLICATIONS

Forestry Information Bureau is the public relations and extension arm of the Department. The Bureau also undertakes works like printing and publishing of booklets and pamphlets covering various activities of the Department, arranging for wide publicity in connection with World Forestry Day, World Earth Day, World Environment Day, Wildlife Week etc.,

#### 7.1 PUBLICATIONS

FIB is also mandated with the task of 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.

##### **Annual Reports**

During the year Annual Administration report 2019-20 has prepared. Work of 'Forest Statistics' report 2018-19 in its final stage.

##### **Magazines**

'Aranyam' is the monthly magazine of the department brought out by FIB, since August, 2015 This monthly magazine is well appreciated by the more than 1500 annual subscribers.

##### **News Letter**

'Periyar Beats' is a monthly newsletter published by Nature Education Wing of Periyar Tiger Conservation foundation for disseminating monthly activities of Periyar Tiger Reserve with respect to protection, training, village eco-development, education and awareness and ecotourism and research. The newsletter also encompass environment conservation related issues and developments that occurred locally and nationally. The first issue was released in 2<sup>nd</sup> October 2019. 6 issues are released during the financial year 2019-2020.

## Nature Glide

Nature Glide is the quarterly Journal Published from Nature Education Wing of Periyar Tiger Conservation Foundation, which provides Glimpses of Wild Periyar.

## Guideline for Snake Catching

The Kerala forest department has prepared a guideline for rescue and release of snake from human dominated landscapes, this guideline issued with the objective of protection and conservation of snakes is the first of its kind in the country. A mobile application named 'SARPA' was also launched for monitoring all the snake rescue and release operations in the state.

## Hand Books

During the year a hand book of 'Forest Stations' under the department is published and distributed. This handbook is helpful to improve the functions of forest stations and officials. Also delivering more effective forest protection.

## Field Guides

During the year, FIB has printed and distributed 'Forest Guide 2019'.

## 7.2 SURVEYS

**Butterfly Migration survey** conducted in Aralam and Kottiyoor wildlife Sanctuaries. This was the 20<sup>th</sup> butterfly survey in this division. 2 new species were identified and 259 species were identified so far.

**Water Bird survey** was conducted monthly in Periyar Lake to estimate the changes in the spatiotemporal patterns of the water bird population in Periyar Tiger Reserve. Apart from this, migratory birds and the nesting of water birds were also documented in the study. A total of 37 species of birds were documented in the survey. The dominant species observed in the lake are Great cormorant, Little cormorant, Oriental darter, woolly-necked stork, Ashy woods wallow, etc. During the survey in the lake, the nesting of river tern and small pratincole was recorded.

The 3<sup>rd</sup> follow up **odonate survey** was conducted from September 28<sup>th</sup> - 30<sup>th</sup> in collaboration with Society for Odonate Studies. A total of 66 participants from within and outside of State participated in the survey. The survey was done in 18 selected camps in entire Periyar Tiger Reserve. Four new species; *Pseudagrion australasiae*, *Protostica monticola*, and 2 genus including *Macromia cingulata* were new additions

to the list of Periyar Tiger Reserve. A total number of 92 species were listed from the current survey, of which 49 were dragonflies and 37 damselflies. Kerala has currently 167 reported species. Thus more than 50% of the species in Kerala could be observed in Periyar Tiger Reserve.

**Impact Assessment of Pilgrimage** is a five-month duration study was conducted to assess the impact of Sabarimala pilgrimage. The Spatio-temporal pattern of the faunal population in the adjoining forest of Sabarimala and pilgrimage routes was documented during the pre and post-season of pilgrimage.

**Monitoring System for Tigers – Intensive Protection & Ecological Status** (MSTrIPES) is an android based application by Wildlife Institute of India (WII) is successfully implemented in Periyar Tiger Reserve in all the 5 Ranges. The data from each section is being downloaded in Tiger Cell, PTCF and the data is analyzed for understanding the Patrolling paths, Patrolling distance, wildlife distribution, illegal activities if any, wildlife mortality.

### **7.3 SOCIAL MEDIA MANAGEMENT**

Kerala Forest Department actively involves and makes timely interventions in the new media in the wake of Social Media Platforms plays predominant roles in publicity oriented activities. Department keep track of issues that stay alive and vigorously handle social media platforms viz. Face Book, YouTube Channel, Twitter etc. Due Social Media Interventions of the Department have helped a lot in propagation and dissemination of core messages to the youth like ensuring participatory forest management in the areas of bio-diversity conservation and protection and that it could be accomplished and made possible through sustainable access of ecosystem services.

#### **Face Book**

To keep the Face Book Page of the Department viz. Kerala Forest and Wildlife Department actively alive among the general public, real time updations on this page are being properly made. Coverage on all and sundry factions organized in the Department, short videos on other inconsequential events are regularly uploaded to this page.

#### **YouTube**

Department owns and launched a YouTube Channel viz. Kerala Forest and



Wildlife Department. Every 15 days, a new video is being uploaded to this channel. Videos on vital areas like forest and wildlife conservation and protection, sensitization programmes and all other important functions being organized by the Department can be viewed on this channel. Approximately, 100 videos have since been uploaded to this channel.

### **Twitter**

Twitter handles as Kerala Forest Department are also being done by the Department. This media handle helps a lot in organising sensitization programmes and publicity oriented activities of the Department.

## CHAPTER 8

### EVENTS

#### 8.1 STATE-LEVEL EVENTS

##### WILDLIFE WEEK CELEBRATIONS

During 2019, the Forest Department had celebrated Wildlife Week from 2<sup>nd</sup> October to 8<sup>th</sup> October. The week long celebrations provided a great platform for sensitizing the general public, especially students on nature, environment and wildlife conservation through conducting several competitions and programmes on relevant topics.



The inaugural function was conducted on 02.10.2019 at Model Residential School, Mukkali. The Hon'ble Minister for Irrigation inaugurated the function. The valedictory function was conducted on 08.10.2019 at Vanasree Auditorium, Forest Headquarters, Thiruvananthapuram. The Hon'ble Governor of Kerala inaugurated the function.

All Wildlife Wardens, territorial divisions Forest Offices and Assistant Conservator of Forests (SF) organized awareness campaign at convenient place in the respective Wildlife sanctuaries/Divisions in the form of public meeting with the participation of people's representatives, local self-government institutions, VSSs/EDCs, educational institutions in the fringe areas during the Wildlife Week 2019.



### 8.1.1 Independence Day & Republic Day

Independence day and Republic day were celebrated in Headquarters and various offices in the department with flag hoisting ceremonies and parades by forest force.

### 8.1.2 Forest Martyrs' Day

Forest Martyrs' Day was observed in the Headquarters and other offices in the department on 11<sup>th</sup> September to commemorate the service and sacrifice of the personnel of department of Forest and Wildlife, who laid down their lives to protect natural resources.

### 8.1.3 World Environment Day

The State level function of World Environment Day was inaugurated by Hon'ble Chief Minister Sri. Pinarayi Vijayan at Vanasree auditorium in Forest Headquarters. Various awareness programmes were conducted in connection with World Environment Day programme. State Level, circle, and division level functions were also conducted. The theme for 45<sup>th</sup> World Environment Day is 'Beat Air Pollution'. It is the call for action to combat the global crisis for 'fresh air'.

### 8.1.4 Vana Mahotsavam

Kerala celebrates the festival with full heart , All the 14 districts in the state distributed fruit bearing trees and seedlings to EDCs, tribal settlements, public, etc. NGOs/NGIs planting seedlings in public places and conducting awareness campaigns.

## 8.2 SPORTS MEET

25<sup>th</sup> All India Forest Sports and Games Meet was held on 3<sup>rd</sup> to 7<sup>th</sup> March 2020 at Bhuvaneswar, Orissa. From Kerala Forest Department 110 participants and 8 officials were participated in the meet. The Kerala team performed well and bagged over all 3<sup>rd</sup> place with 86 medals (30 Gold, 26 Silver, 30 Bronze and 24 fourth places) with 311 points. Women open championship was won by Kumari. Anu Raghavan with three Gold, one Silver and a bronze medal. The total expenditure for sports meet was Rs.11.09 lakhs under the budget head 2406-01-006-97 HRD.

26<sup>th</sup> Kerala State Forest Sports Meet held from 12.12.2019 to 14.12.2019 at Railway Ground, Railway Colony, Kallekulangara, Palakkad., Function was inaugurated by Hon'ble Forest Minister. In the ceremony cash award and certificates were distributed to the winners of National sports meet held in Raipur. About 900 athletes were participated in the state sports meet. The Championship was won by the Eastern circle, Palakkad.



### **8.3 SEMINARS, CONFERENCES AND WORKSHOPS**

In Southern Circle Kollam, various awareness campaigns to manage forest fires and workshop for the preparation of fire management plan were conducted.

In High Range Circle, Kottayam, fire awareness rallies, seminar on fire season and awareness class on Vanamahotsava were conducted.

In Central Circle, Trissur Nature Camps, Medical Camps, Anti-plastic campaign, Awareness classes on fire protection and Human-Wildlife conflict were conducted.

In Eastern Circle, Palakkad 15 Nature Camps were conducted for public and students, 66 fire awareness campaigns and 2 fire awareness rally were conducted. Special campaigns were conducted in various schools about Forest fire and Environment Protection.

In Northern Circle, Kannur, 26 Nature Camps, 15 fire awareness class, one Ayurveda Medical Camps, two Medical Camps, fire awareness rally, seminars on bio-diversity conservation, an awareness camp on snake rescue were conducted.

In Northern Circle, Palakkad, 15 Nature Camps, 66 Fire awareness campaign & 2 fire awareness rally, Training on GEM and a Symposium on Asian Elephant were conducted.

In Social Forestry Circle, Kollam 27 Conferences/Seminars, 58 Nature awareness classes, observation of 18 International days, 39 Vanadarshan Programm, 10 Exhibitions and 6 SPC & NSS Camps were conducted. Forestry club workshop at Asramom Guest House, Kollam, Fire awareness & lake protection class at KSM DB College, Sasthamcotta, Mangrove awareness programme at Asramom Adventure Park, Fire awareness programme and awareness class for elephant owners at Asramom Guest House, Kollam & Inauguration of Butterfly Park at Little Flower English Medium UPS, Ennakkad were conducted during the reporting period. And also conducted odonate survey at Vembanadu water areas and release of fish seeds at manipuzha watershed areas.

In Social Forestry Circle Ernakulam, 75 Nature Camps/Awareness class, 9 seminars, And 2 workshops were conducted. Celebrated World Environment, Wildlife Week Celebrations, International Tiger Day, International Vulture day, Water Conservation day, Salim Ali day, International day for Climate Action etc

under the circle. Conducted State level one day workshop on mangrove conservation. Forestry Clubs are revamped in various educational institutions under the circle.

In Social Forestry Circle, Kozhikkode World Environment day, bio-diversity day, Wildlife Week Celebrations, Earth day, Forest Martyr's day, International day for Climate Action, International Forest day, International Mangrove day, International Ozone day, International Tiger Day, International Vulture day, Water Conservation day, World Tiger Day, World Wetland day etc. were celebrated in circle and various offices under the circle.

In FDPT, Kottayam, conducted 2 cancer detecting medical camps at Kannampady area under Idukki wildlife division, 2 medical camps at Kannampady school and Memari community hall, conducted health awareness training to field staff and anganwadi workers at conducted fire awareness programmes in all divisions.

In Wildlife Circle, Palakkad, fire awareness rally was conducted at Parambikulam Tiger reserve. As a part of the Global Tiger Day (29<sup>th</sup> July) celebration, awareness programmes, Rally, Quiz Competition etc. were conducted. Other awareness programmes such as Anti-drug campaign and similar programs were organised on the eve of important days like World Environment Day, World Tourism Day, World Wildlife Day, World Forest Day, World Water Day, and Wildlife Week.

## **8.4 EXHIBITIONS**

Kerala Forest Department ensured its participation in Onam fair, Pooram Exhibition and various local fests organized by the government and non-government organization.

During 2019-20, North Wayanad participated Sale-cum exhibition of NTFPs at Valliyoorkavu, in connection with the Festival at Valliyoorkavu temple. Under Social Forestry Circle, Kollam, 10 Exhibitions were conducted .



## CHAPTER 9

### IMPLEMENTATION OF RTI

The Right to Information Act, 2005 is being implemented at various levels in the Kerala Forest Department as per the statutory provisions. The following table gives the details of Public Information Offices, Assistant PIOs and Appellate authorities in the department:

**Table-52 Name and Address of State Public Information Officers and Appellate Authorities under Right to Information Act.**

SI No	State Public Information Officer	Appellate Authority
1	Head Account (Administration) O/o the Principal Chief Conservator of Forests and HoFF, Thiruvananthapuram	Technical Assistant to Principal Chief Conservator of Forests and HoFF
2	Senior Administrative Assistant (Administration), O/o the Addl. Principal Chief Conservator of Forests (D and P), Thiruvananthapuram	Senior Administrative Officer
3	Administrative Assistant (Social Forestry), O/o the Principal Chief Conservator of Forests(Social Forestry), Thiruvananthapuram	Assistant Forest Conservator Principal Chief Conservator of Forests (Social Forestry), Thiruvananthapuram
4	Junior Superintendent (IHRD), O/o the Chief Conservator of Forests(IHRD), PTP Nagar, Thiruvananthapuram	Assistant Conservator of Forests (IHRD), Thiruvananthapuram
5	Junior Superintendent (SA), O/o the Chief Conservator of Forests (SA and NO), Thiruvananthapuram	Assistant Conservator of Forests (SA and NO),Thiruvananthapuram
6	Administrative Assistant of Forests(Wildlife), O/o Principal Chief Conservator of Forests (Wildlife), Thiruvananthapuram	Deputy Conservator of Forests (Wildlife), Thiruvananthapuram
7	Deputy Conservator of Forests (Forest Resources), O/o the Principal Chief Conservator of Forests (F, L and R), Thiruvananthapuram	Principal Chief Conservator of Forests (F, L and R), Thiruvananthapuram

SI No	State Public Information Officer	Appellate Authority
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
9	Deputy Conservator of Forests (Finance, Budget and Audit), O/o the Addl. Principal Chief Conservator of Forests (Finance, Budget and Audit), Thiruvananthapuram	Addl. Principal Chief Conservator of Forests (F, B and A), Thiruvananthapuram
10	Asst. Conservator of Forests(E and TW), O/o the Addl. Principal Chief Conservator of Forests (E and TW), Thiruvananthapuram	Addl. Principal Chief Conservator of Forests ( Eco Development and Tribal Welfare), Thiruvananthapuram
11 (a)	Asst. Conservator of Forests (Administration) (for disciplinary matters)	Addl. Principal Chief Conservator of Forests (Administration), Thiruvananthapuram
11 (b)	Senior Administrative Officer, O/o the Addl. Principal Chief Conservator of Forests (Administration), Thiruvananthapuram	Addl. Principal Chief Conservator of Forests (Administration), Thiruvananthapuram
12	Senior Superintendent O/o Addl. Chief Conservator of Forests (WP and R), Thiruvananthapuram	Addl. Principal Chief Conservator of Forests (WP and R), Thiruvananthapuram
13	Asst. Conservator of Forests (Vigilance and forest intelligence.), O/o the Addl. Principal Chief Conservator of Forests(Vig.), Thiruvananthapuram	Addl. Principal Chief Conservator of Forests (Vigilance and Forest Intelligence), Thiruvananthapuram
14	Asst. Conservator of Forests (ABP), O/o Chief Conservator of Forests (ABP), Thiruvananthapuram	Chief Conservator of Forests (ABP), Thiruvananthapuram
15	Asst. Conservator Forests (TA), O/o the Addl. Principal Chief Conservator of Forests, Southern Circle, Kollam	Chief Conservator of Forests (Southern Circle),Kollam
16	Asst. Conservator Forests, O/o Chief Conservator of Forests (Social Forestry), Kollam	Chief Conservator of Forests (Social Forestry), Kollam



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

Table-53 Suo - Motu Disclosure Under Section 4(1)(b)

Department	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
Forest Department	1			1

Table-54 Designation of Public Information Officers/Appellate Authorities

Name of Department	No.of public Authorities	No. of Public Information Officers Designated	No. of Assistant Public Information Officers Designated	No. of Appellate Authorities Designated
Forest Department	1	310		110

Table - 55 Disposal of Information Requested by Public Information Officers

Name of Department	No.of Requests Pending at the end of Last Year	No. Requests Received during the year	Total No.of Requests	No.of Requests Disposed	No.of Requests Rejected	No.of requests deemed to be Refused under section 7(2)	% of Cases Access to information Denied
Forest Department	15	2523	2538	2524	14	0	

Table-56 Number of Information Request Rejected by Public Information Officers

Name of Department	Total No. of Requests Rejected	No.of Requests Rejected under Section 8	No.of Requests Rejected under Section 9	No.of Requests Rejected under Section 11	No.of Requests Rejected under Section 24	No.of Requests Rejected other section
Forest Department	14	9	3	0	0	2

Table-57 Disposal of First Appeals by Designated Appellate Authorities

Name of Department	No. of first Appeals pending with Appellate Officers as on 31-03-20	No. of first Appeals preferred during the Year 2019-20	Total No. of first Appeals with Appellate Officers	No. of First Appeals disposed	No. of First appeals rejected	% of First Appeals Rejected	No. of First Appeals pending for more than 45 days
Forest Department	2	137	139	134	5	3.59	0

Table-58 Penalties imposed & Collected

Penalties imposed in previous year pending for collection	Penalties imposed by Information Commission under Section 20(1)	Total	Details of Penalties Collected
NIL	NIL	NIL	NIL

Table-59 Disciplinary Action Taken Against Officers in Respect of Administration RTI Act

Name of the Department	Details of Disciplinary Action Recommended by Information Commission Under section 20(2)	Details of Disciplinary Action taken based on Recommended of Information Commission	Other Disciplinary Actions Taken (Other than those recommended by Information Commission)
Forest Department	NIL	NIL	NIL

Table-60 Summary Costs, Fees & Charges Collected by Public Authorities

Name of Department	Cost Collected Section 4(4)	Cost Collected Section 6(1)	Fee Collected Section 7(1)	Fee Collected Section 7(5)	Other Charges Collected Specify)	Total Collection
Department	3616	20935	15938	4606	3562	48657

## CHAPTER 10

### INTERNAL CONTROL SYSTEM

#### 10.1 DETAILS OF STAFF EXCLUSIVELY DESIGNATED FOR CONDUCTING INTERNAL AUDIT

The administration wing at the Forest Headquarters has a dedicated audit wing under the control of PCCF Planning and Development in the department. And there are two teams available in the audit wing they are exclusively used for internal audit. Each team consists of one junior superintend and two clerks. Senior Finance officer is the head of the audit wing.

#### 10.2 INTERNAL AUDIT

As per the Public Accounts Committee's (PAC) recommendations in its 57<sup>th</sup> report (2001-2004), Internal Audits were conducted in offices of the Forest Department every year just before Accountant General's audit, in order to reduce the number of 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. There are 432 paras pending in the department, as per the list of pending audit observations of the Accountant General during the year 2019-20. Four Apex committee meetings were conducted.

Table-61 Status of Internal Audit paras and compliances during 2019-20

Sl. No.	Name of Office	Number of inspections (internal audit) conducted	Number of outstanding paras at the end of the financial year	Number of outstanding paras in LAR	Number of paras cleared (LAR)	Number of paras dropped
1	Wayanad Wild life Division & Range	1	52			0
2	ACF, Nature study centre Kalady	1	17			0

3	DFO, Thiruvananthapuram	1	63			0
4	DFO,Kasargod & Range	1	35			0
5	ACF Social forestry Division Alapuzha & Range	1	45			0
6	Wild life Warden, Shenduriny Range	1	92			0
7	ACF Social forestry Division Ernakulam & Range	1	17			0
8	CCF Southern circle, Kollam			8	0	0
9	DFO, Thiruvananthapuram			9	0	0
10	DFO, Thenmala			5	0	0
11	DFO, Achekovil			11	0	0
12	DFO. Punalur			5	0	0
13	DFO, Ranni			9	0	0
14	DFO, Konni			8	0	0
15	DFO, Timber sale Division, Thiruvananthapuram			6	0	0
16	DFO, Timber sale Division, Punalur			4	0	0
17	DFO Flying squad Thiruvananthapuram			3	5	5
18	DFO Flying squad Punalur			1	1	1
19	CF Social forestry Kollam			4	1	1
20	Social forestry Division, Thiruvananthapuram			7	1	1
21	Social forestry Division, Punalur			3	2	2

22	Social forestry Division, Alapuzha			3	2	2
23	Social forestry Division, Kollam			3	0	0
24	CCF North Circle Kannur			8	0	0
25	DFO Timber sale, kozhikode			7	0	0
26	DFO Kozhikode			10	0	0
27	DFO Kozhikode, FDA			3	0	0
28	DFO Kannur			10	0	0

## CHAPTER 11

### MISCELLANEOUS

#### 11.1 IMPLEMENTATION OF OFFICIAL LANGUAGE

Malayalam has been declared as the official language of the state of Kerala, vide G.O. No. 7223/OL3/85/P and ARD, dated: 1.09.1985. However, the same could not be implemented completely within the KFD. Efforts have been made to use Malayalam as official language fully and all Staff of the Department are working earnestly in this direction. All official communications are being carried out in Malayalam to the maximum extent. Instructions regarding the preparation of Orders pertaining to transfer/promotion, Proceedings, Circular, etc. in Malayalam are being implemented. Direction has been given to all employees to prepare their 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 has been decided to use the open source software viz; 'Kaveri' in all offices of the Forest Department. Senior Administrative Officer of the Department has been entrusted with the role of Nodal Officer for supervising the progress in this regard. A translation cell has been constituted vide G.O(Ms)No.19/83/P and ARD dated: 16.07.2003, to translate the Codes, Manuals, Rules, forms, etc. of the Department.

The Department has been complying with the state directives to make use of Malayalam language in official communications to the maximum extent from head offices down to the lowest functioning station offices. The following table gives an indication of the extent of use of the official language in governance in the Department:-

Table - 62 Extent of use of the official language

Total Number of files	Number of files in Malayalam	Number of files in English	Number of files in minority language
82,265	78,200	4,065	Nil

## 11.2 GRIEVANCE REDRESSAL CELL

A grievance Redressal Cell is functioning in the department for dealing with the complaints received from the 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 the 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.

Table 63 - Details of Grievance Redressal Cell as on 31.03.2020

Sl No.	Name and Designation	Position in the committee
1	Smt. Khyadhi Mathoor, IFS Forest Conservator (HRD)	Chairperson
2	Smt. Sreekala M.B., Senior Administrative Assistant	Convener
3	Sri. S.R. Radha Krishnanan, Assistant Forest Conservator	Member
4	Smt. Subhadramma, Retd. Under Secretary, Govt. Secretary	Member
5	Smt. Leena Nadesh, Junior Superintendent	Member
6	Smt. Smitha Johnson, Clerk	Member
7	Smt. Pinki.S.Kumar, Senior Clerk	Member
8	Smt. Neenu Rajan, Office Attendent	Member
9	Smt. Nisha P.S., Confidential Assistant	Member

## 11.3 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 recognize the rights of the forest dwelling Scheduled Tribes and the imparts 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 the Government of Kerala, entrusted with the task of implementation of the Forest Rights Act. Kerala Government had constituted a working group on 25-02-2008 for



the constitution of various committees under the Act and for working out the modalities of implementation of the Act. The working group is also involved in assigning responsibilities to various Departments especially Forest and Wildlife, Revenue, Local Self Government and SC/ST Departments. The Forest Rights Act implementation process in the State is done through 511 GramaSabhas, 14 Sub Divisional Level Committees and 12 District Level Committees.

- **Sub Division Level Committee**

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

**Individual Right:** As described in the Act, right to hold and live in the forest land under an 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. As on 31.03.2020, out of 26766 eligible individual claims passed by the District Level Committee (DLC), 26256 titles were issued.

**Community Right:** It includes 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 31.03.2020, out of 358 eligible claims passed by the District Level Committees, (DLC), 174 titles were issued.

**Development Right:** Right to convert forest land up to a maximum of 1 ha for the purpose of facilitating schools, hospitals, water supply, etc. (such 13 developmental

activities) managed by Government, provided felling of trees in the land should not exceed 75 trees per hectare. As on 31.03.2020, out of 620 claims have been passed by the Forest Department, 466 Development Rights have been issued for an area of 187 acres.

Table 64 - The Status of Implementation of RTS Act in 2019-20

	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
No of applications received under RTS Act during the month	609	600	324	58	25	48	87	95	71	102	154	280
No of applications disposed within the time limit during the month	598	572	324	58	25	48	87	95	71	102	154	187
No of applications disposed beyond the time limit	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
No of cases where penalty imposed on the designated officer	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
No of cases where appeal is field	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
No of cases where second appeal is field	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

#### 11.4 PROGRESS IN COMPUTERIZATION AND IMPLEMENTATION OF E-OFFICE

Computerization was successfully achieved up to the Range/Depot level in the department. 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 KFD, serving as a link between the Department and the public.

##### 11.4.1 E-governance Initiatives

Information Technology wing co-ordinates implementation of various e-Governance initiatives and imparts training to staff of the department on various e-Governance initiatives. The major e-Governance initiatives facilitated by the wing are:-

- i. Implementation of e-Office facility in Forest Headquarters

- ii. Tendering through e-procurement system
- iii. Monitoring of Forest Fire through FSI Fire alert System

#### **11.4.2 Digital Service Delivery**

Information Technology wing is the nodal agency facilitating Digital Service Delivery of Kerala Forest Department with the assistance of Kerala State IT Mission and National Informatics Centre. As part of Digital Service Delivery the following activities had been completed.

- i. Compensation for victims of wildlife attack under the e-district programme of KSITM
- ii. Online Ticket Booking for Agasthyarkoodam trekking under Service Plus of NIC
- iii. No-Objection Certificate for wood based industries and permission for cutting of trees in industrial sites (non - forest land) implemented as part of KSWIFT (Kerala Single Window Interface for Fast and Transparent Clearance) platform developed by KSIDC.

### **11.5 INNOVATIVE PROGRAMMES IMPLEMENTED BY THE DEPARTMENT**

#### **MAJOR ACHIEVEMENTS OF DEPARTMENT DURING 2019-20**

##### **• KERALA'S FOREST COVER THICKENS**

Forest conservation and afforestation campaigns are paying dividends in Kerala as the forest cover in the State continues to increase during the second consecutive assessment period. Kerala has been ranked third among the top five States in terms of increase in forest cover, according to the India State of Forest Report, 2019 prepared by the Forest Survey of India of the Ministry of Environment, Forests and Climate Change. The 21,144.29 sq km forest cover in the State accounts for 54.42% of its geographical area.



- **NEW SANCTUARY**



*Karimpuzha in Malappuram district is declared as a new Wildlife Sanctuary*

- **CRASH GUARD STEEL ROPE FENCING**

In a first of its kind anywhere in India, Kerala Forest Department has erected a new kind of fencing the "Crash Guard Steel Rope Fencing" which could reduce Human-Elephant conflict to a large extent.

- **FOREST ADALATHS**

For Providing urgent and time bound settlement of various grievances faced by public in connection with the forest department forest, adalaths were conducted in all districts of the State. Among the 3870 grievances received, 3304 numbers have been resolved. Rs.2.59 crores was distributed as compensation to settle the complaints.





- **ZOOLOGICAL PARK AT PUTHUR**

The State Government has decided to establish a new zoological park in the forest area located at Puthur under the jurisdiction of Pattikkad Range in Thrissur territorial division with an area of 350 acres.



- **MULTIPURPOSE INDOOR COART**

Stone Laying function of Multipurpose Indoor court including Arena Lightning at SFTI Walayar was conducted on 13.12.2020.

- **GUIDELINES FOR SNAKE CATCHING**



The Kerala forest department has prepared a guideline for rescue and release of snake from human dominated landscapes, this guideline issued with the objective of protection and conservation of snakes is the first of its kind in the country. A mobile application named 'SARPA' was also launched for monitoring all the snake rescue and release operations in the state.

- **FOREST STATION & STAFF BARRAK**

New four forest stations are constructed during the year. One staff barrak built at Vandan pathal.



- **PROJECT GREEN GRASS**

Government of Kerala's "Zero tolerance" approach to pollution and to keep our pristine forests clean, Kerala Forest Department has launched a project named "Project Green Grass". The project aims at clearing solid waste from forest areas. As part of the Project around nearly 2000 tonnes of waste were cleared from Forest areas till July 2019.



- **SCAL INTERNATIONAL AWARD & BEST MANAGED TIGER RESERVE IN INDIA**

Periyar Tiger Reserve received 2019 Scal International Award in the category of the best Community-Based Ecotourism Programme. Periyar Tiger Reserve also received the award of India's best Managed Tiger Reserve Award.

- **FOREST PLUS 2.0**

Kerala's Thiruvananthapuram landscape is one of the three areas in India identified for the implementation of the project by MoEF & CC. The project, which started in 2018, with the technical support of United States Agency for International Development (USAID).

## **11.6 HIGHLIGHTS OF THE ACTIVITIES OF KERALA FOREST DEPARTMENT DURING THE COVID 19 – LOCKDOWN PERIOD DURING 2019-20**

First confirmed case of COVID 19 in the country was from Kerala. In view of the increasing number of affected / likely to be affected persons, the State Government started imposing restrictions from mid March, which was thereafter brought at par with that of lockdown from the 3<sup>rd</sup> week of March 2020. In view of March-May being the most fire prone months and the regular issues of Human-Animal Conflict (HAC), the State Government was approached to declare Forest Department as an essential service, so that its field activities are unhindered. In addition, during the floods of 2018 and the landslide calamity of 2019, the Kerala Forest Department had acted as the effective arm of the State Government that could reach the tribal and the dwellers of remote forests. The State Government had agreed to this request and while the formal orders were awaited, the orders of Ministry of Home Affairs dated 24.03.2020 came out, which unfortunately did not exempt the Forest Department from the lockdown. The matter was taken up with the State Government which in turn issued an order on 25.03.2020 exempting the **“law enforcement machinery of the Forest Department, especially the forest force dealing with the protection of forest resources, human animal conflicts, fire fighting and prevention”** etc. from the lockdown. Simultaneously the matter was taken up with MoEF & CC and the NDMA and the MHA in its orders dated 25.03.2020 exempted certain activities of the Forest Department also from the lockdown.

Without waiting for these legal / procedural requirements, the Kerala Forest Department got itself fully launched in to its additional responsibilities with respect to COVID-19.

- ▶ All the field formations are on duty which in case of some remote posts went upto 21 days without any break.
- ▶ The field activities were effectively coordinated by the DFOs and Circle Officers.
- ▶ All throughout the lockdown period, Headquarters of KFD is functional with all the PCCFs, APCCFs, CCFs, along with skeleton staff, attending work.
- ▶ During the period one major fire and a score of smaller fires were attended without any delay.
- ▶ Death of a wild Elephant and a wild Tiger were attended as per the normal protocol as well as additional protocol for Tiger.
- ▶ Incident of death of a woman due to HAC was attended which included timely medical assistance for treatment as well as post death formalities like postmortem, burial etc.
- ▶ Safely rescued two wild Elephants that got trapped in a pond in Wayanad.
- ▶ Relentlessly continued the efforts to prevent the movement of wild animals to the habitations. While doing so, one watcher was seriously injured in Thrissur district.
- ▶ All the ecotourism sites (50 nos) were closed indefinitely.
- ▶ Both the State Forest Training Institutes were closed, the trainings suspended and the infrastructure made available to the District Administration for accommodating persons under observation.
- ▶ Actively perambulated the foot paths and railway lines across the State boarder and prevented illegal entries / identified the incoming persons and brought them under observations.
- ▶ Joined the law enforcing agencies as additional strength.
- ▶ District level officers actively joined the district administration in all aspects of the fight against Corona.
- ▶ The field formations of the Forest Department, once again elevated themselves to the role of **“The arm of the State Government within reach of the tribal and other forest dwellers”** by ;
- ▶ Making available identified vehicles of the department for taking the medical professionals to the remote habitations.



- ▶ Sparing staff and departmental vehicles for distribution of rice and other provisions to the remote areas.
- ▶ From the own funds, procuring and supplying rice and other provisions to the remote habitations.
- ▶ FDAs procuring and distributing sanitizers / sanitary napkins from their own resources.
- ▶ Distributing information materials and providing inputs on safe distancing and "break the chain" campaign.
- ▶ Closely monitoring the persons returning to the habitations from across the State boarder.
- ▶ Transporting of the ill / patients to health centers.
- ▶ Members of VSS / EDCs preparing masks / and distributing to the tribal.
- ▶ Stitching facial mask and handing over to the law enforcing agencies, like Police.
- ▶ Providing the market linkage for the vegetables and fruits produced by the tribals by connecting with the urban market and delivering these products to be customers.

**As in the past, Kerala Forest Department has once again demonstrated its social commitment during yet another difficult time and once again proved that it is the best available and most efficient channel of the State Government to reach the tribal and the forest dwellers during any such crisis.**

### **11.7 VANIKA-AN INITIATIVE OF SUPPORT TO THE LIVELIHOOD OF TRIBAL IN LOCKDOWN PERIOD**

The traditional forest dwellers located in remote forest areas lost their accessibility to the local markets due to the lockdown necessitated by covid-19 outbreak. It is in the situation that the Kerala forest and wildlife department has come up with an immediate market intervention under the name 'Vanika'. Under this initiative, facilitated by Mankode Eco development committee, the non-wood forest produces as well as agricultural produces are directly procured at market rates by kottoor section staff from tribes settled in Agasthyavanam biological Park, Neyyar and peppara ranges under Thiruvananthapuram wildlife division, to support the

livelihood of these vulnerable tribal groups. Marketing is carried out Through a WhatsApp group vanika, which paves way for these pure as well as quality ensured forest produces to reach the hands of prospective customers at different parts of the city. This initiative has become a huge success as it completed its two successful rounds. But interesting point is that the social cause has motivated the forest department to come up with a comprehensive action plan to tackle the issues of food security as well as health concerns of the tribal people. For addressing the food demands of the tribal people the forest department has started the distribution of pickles all tribal settlements under Trivandrum wildlife division. The Chief conservator of Forest, Eco development and tribal welfare Mrs. Padma Mahanti has inaugurated the function by handing over eatables to be distributed among all the tribal families under Thiruvananthapuram wildlife division. As a Goodwill gesture she also handed over 5 kilograms of pickle to the community kitchen set up by kuttichal grama panchayath. Adding to this she also handed over reusable masks made by tribal self-help groups, to the total population of tribes under Thiruvananthapuram wildlife division to address the health concerns regarding covid-19 outbreak. J.R. Ani wildlife Warden, Trivandrum, N.V.Satheeshan, Deputy warden, Agastyavanam biological Park range, K.C.Sinukumar, Section Forest Officer, Kottoor and Gopika Surendran, Mankode EDC secretary also attended the function.

### **“Vanika” - The Market Intervention**





**Ensuring sanitation  
at Check posts**



**Carrying Ration to inaccessible  
Supply of aid to tribal communities**



**Awareness  
Creation  
among Tribals**

**Awareness  
Creation  
among Tribals**



## 11.8 Flood 2019

The extreme heavy rainfall of **August 2019**, which caused heavy landslide and mudslide leading to flooding of downstream areas. Over 100 people have been killed and lakhs displaced in Kerala which has witnessed widescale devastation due to ravaging floods.

Table no. 65 - Details of Damages and Loss sustained on account of Rains and floods - 2019

Amount in Crores													
Sl. No.	Details of Damage	Territorial Circle					Wildlife Circle			Social Forestry Circle			Total (in Crores)
		SC	HRC	CC	EC	NC	ABP	FD (PT)	WL, PKD	KLM	EKM	KKD	
1.	Damages to Roads, Bridges, Culverts	0.48	0.2	0.2	0.29	0.03	0.31	1.24	6.98				9.73
2.	Damages to Buildings, Compound wall, Camp Shed, Wireless Stations, Elephant Proof Trench, Elephant Proof Wall, Solar Fencing etc.	0.17	0.11	0.83	0.9	2.36	0.028	0.24	3.38				8.02
3.	Landslide damages, Damages to forests					5		0.08					5.08
4.	Damages to plantations, Nurseries etc.			0.06	5.92	0.01							5.99
5.	Damages to Habitats								2.25				2.25
6.	Damages to equipment's viz. Wireless, Computer, Solar Unit, Boat Engine		0.11		0.04			0.01	0.25				0.41
	Total	0.65	0.42	1.09	7.15	7.4	0.338	1.57	12.86	0	0	0	31.48

Amount in Crores

## ANNEXURE I (a)

### Division and Range wise details of Forest Stations

Sl No.	Division	Range		Forest station
1	2	3		4
1	Thenmala	Thenmala	1	Kadaman Para
2	Achankovil	Achancovil	2	Kumbhavuruthy
3	Punalur	Pathanapuram	3	Ambanar
			4	Punnala
			5	Ezhamkulam
4	Konni	Konni	6	Kumaramperoor (South)
			7	Kumaramperoor (North)
		Naduvathumoozhy	8	Kokkathodu
			9	Karippanthodu
			10	Padom
		Mannarappara	11	Chempala
			12	Mannarappara
5	Ranni	Ranni	13	Karikkulam
			14	Kanamala
			15	Rajampara
		Vadasserikkara	16	Chittar
			17	Gurunathanmannu
			18	Thannithodu
		Goodrikkal	19	Plappally
			20	Kochukoickal
			21	Pachakkanam
6	Kottayam	Nagarampara	22	Vazhathoppu
			23	Vairamony
		Ayyappancoil	24	Kanchiyar
		Erumeli	25	Murinjapuzha
			26	Vandanpathal
			27	Placherry

Sl No.	Division	Range	Forest station	
7	Kothamangalam	Thodupuzha	28	Veloor
8	Munnar	Munnar	29	Pettimudy
		Adimali	30	Machiplavu
			31	Panamkutty
		Neriyamangalam	32	Nagarampara
			33	Inchathotty
			34	Valara
9	Marayoor	Marayoor	35	Marayoor
			36	Nachivayal
		Kanthalloor	37	Kanthalloor
			38	Vannanthura
10	Thrissur	Vadakkancherry	39	Erumapetty
			40	Pongodu
			41	Mayannoor
		Machad	42	Akamala
			43	Elanad
			44	Vazhani
		Pattikkad	45	Pattikkad
			46	Ponganamkad
			47	Mannamangalam
			48	Vaniyampara
11	Vazhachal	Charpa	49	Kannamkuzhy
		Vazhachal	50	Vazhachal
			51	Mukkumpuzha
		Kollathirumedu	52	Kollathirumedu
		Sholayar	53	Malakkappara
			54	Sholayar
		Athirappally	55	Athirappally
			56	Ezhattumugham

Sl No.	Division	Range	Forest station	
12	Chalakudy	Pariyaram	57	Konnakuzhy
			58	Chaippankuzhy
		Vellikulangara	59	Mupliyam
13	Malayattoor	Kodanadu	60	Perumthodu
			61	Erumukham
			62	Mekkappala
		Kalady	63	Karakkadu
			64	Kannimangalam
			65	Evergreen
		Thundathil	66	Bhothathankettu
			67	Karimpani
			68	Edamalayar
			69	Vadathuppara
		Kuttampuzha	70	Pooyamkutty
			71	Anakulam
14	Nenmara	Edamalayar	72	Ennakal
			73	Perumuzhy
		Kollengode	74	Thekkady
15	Mannarkkad	Nelliampathy	75	Nelliampathy
		Alathur	76	Mangalam dam
		Mannarkkad	77	Palakkayam
			78	Mannarkkad
			79	Thiruvizhamkunnu
		Attappady	80	Pudur
			81	Mukkali
		Agali	82	Ommala
			83	Sholayar
			84	Singappara

Sl No.	Division	Range	Forest station	
16	Nilambur (South)	Karulai	85	Padukka
			86	Nedumkayam
		Kalikavu	87	Chakkikuzhi
			88	Karuvarakundu
17	Nilambur (North)	Edavanna	89	Akampadam
			90	Edacode
			91	Kodumpuzha
		Nilambur	92	Vaniyampuzha
			93	Kanjirapuzha
		Vazhikkadavu	94	Nellikuthu
			95	Pothukal
18	Wayanad (North)	Mananthavady	96	Makkiyad
		Begur	97	Thirunelly
			98	Thalapuzha
		Periya	99	Kunjom
			100	Varayal
19	Wayanad (South)	Chedleth	101	Irulam
			102	Vythiri
			103	Mundakkai
			104	Pulpal
20	Kozhikode	Peruvannamuzhy	105	Kakkayam
			106	Peruvannamuzhy
21	Munnar WL (Eravikulam)	Eravikulam NP	107	Chattamunnar
		Chinnar WS	108	Kambakkallu
			109	Karimutti
		Shola NP	110	Kadavari
22	Silent Valley	Bhavani	111	Anavai
			112	Thudukki
23	Periyar East	Vallakkadavu	113	Gavi



Sl No.	Division	Range	Forest station	
24	Periyar West	Pamba	114	Sannidhanam
			115	Mukkuzhi
			116	Pachakkanam
25	Peechi	Peechi	117	Olakara
26	Wayanad WL	Kurichiat	118	Vandikkadavu
			119	Kuppady
		Sulthanbathery	120	Naikatty
		Muthanga	121	Muthanga
			122	Thottamoola
		Tholpetty	123	Tholpetty
27	Aaram WL	Aaram	124	Narikadav

### ANNEXURE I (b)

#### Division wise Number of Range Offices and Check Posts

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
		Palode	3	Mankayam	N
			4	Anappara	N
2	Thenmala	Thenmala	5	Neduvannurkadavu	N
		Aryankavu	6	Kottavasal(Aryankavu)	Y
3	Punalur	Pathanapuram	7	Karavoor	N
4	Achenkovil	Achenkovil	8	Kottavasal (Achenkovil)	Y
5	Konni	Konni	9	Athumpukulam	N
		Naduvathumuzhy	10	Njanaval	N
			11	Padam	N
		Mannarappara	12	Mullumala	N

Sl No.	Division	Range		Check Post	Whether Interstate or not(Y/N)
6	Ranni	Ranni	13	Laha(Rajam para)	N
		Goodrical	14	Kochandy	N
		Vadasserikkara	15	Vadasserikkara	N
High Range Circle – Kottayam					
7	Ranni	Kumily	16	Kumili	Y
			17	Cumbummettu	Y
		Erumeli	18	Pulluppara	N
			19	Vazhikadavu	N
8	Kothamangalam	Thodupuzha	20	Guruhikkalam	N
9	Munnar	Adimali	21	Panamkutty	N
		Neriyamangalam	22	Thalakkodu	N
		Devikulam	23	Bodimettu	Y
			24	Palar	N
10	Marayoor	Marayoor	25	Chattamunnar	N
		Kanthalloor	26	Pious Nagar	N
Central Circle – Thrissur					
11	Chalakudy	Pariyaram	27	Kappathodu	N
		Palappilly	28	Parakadavu	N
		Vellikulangara	29	Mattathoor	N
12	Vazhachal	Chapra	30	Vazhachal	N
		Sholayar	31	Malakkappara	Y
13	Malayattoor	Kalady	32	Karakkad	N
			33	Kadappara	N
		Kuttampuzha	34	Thattekadu	N
		Thundathil	35	Boothathankettu	N
Eastern Circle – Palakkad					
14	Nenmara	Nelliyampathy	36	Pothundi	N
		Kollengode	37	Gopalapuram	Y
			38	Meenakshipuram	Y

Sl No.	Division	Range		Check Post	Whether Interstate or not(Y/N)
15	Palakkad	Walayar	39	Walayar	Y
16	Mannarkkad	Agali	40	Anakkatty	Y
			41	Keralamedu	Y
		Mannarkkad	42	Anamooly	N
			43	Inchikunnu	N
17	Nilambur (N)	Vazhikkadavu	44	Anamari	Y
18	Nilambur (S)	Karulai	45	Cherupuzha	N
<b>Northern Circle – Kannur</b>					
19	Kannur	Kottiyoor	46	Iritty	Y
20	Kasargode	Kasargode	47	Thalappady	Y
			48	Kottayadi	Y
		Kanjangad	49	Panathur	Y
21	Wayanad South	Meppadi	50	Choladi	Y
		Kalpetta	51	Lakkidy	N
22	Wayanad North	Peria	52	Niravilpuzha	
<b>Wildlife Circle</b>					
23	Thiruvananthapuram	Peppara	53	Kanithadam	N
24	Shenthurni	Shenthurni	54	Kattilpara	N
		Thekkady	55	Rosemala	N
25	Periyar East	Thekkady	56	Thekkady	N
		Periyar	57	Vellimala	N
		Vallakadav	58	Anathodu	N
			59	Vallakkadavu	N
			60	Panchakkanam	N
26	Munnar	Eravikulam National Park	61	Rajamala	N
		Chinnar National Park	62	Chinnar	Y
			63	Karimutti	Y
		Shola National Park	64	Pambadum Shola	Y
			65	Methappu	N

Sl No.	Division	Range		Check Post	Whether Interstate or not(Y/N)
27	Idukki	Idukki	66	Vanmavu	N
28	Wayanad	Muthanga	67	Muthanga	Y
			68	Pazhoor	Y
		Tholpetty	69	Tholpetty	Y
			70	Bavali	Y
		Kurichiyad	71	Kuppady (3 <sup>rd</sup> Mile)	N
29	Parambikulam	Sungam	72	Anappadi	Y
			73	Keerappadi	Y
		Orukomban	74	Thoothampara	N
30	Peechi	Chimmoni	75	Echippara	N

## 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 and R)	apccf-wp.for@kerala.gov.in	0471 2337545		9447979012
5	Additional Principal Chief Conservator of Forests (D and P)	apccf-dp.for@kerala.gov.in	0471 2337545		9447979004

Sl No.	Designation	Email ID	Phone	Fax	Office Mobile
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)	apccfadmin.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	Principal Chief Conservator of Forests(Vigilance and Forest Intelligence)	apccf-vig.for@kerala.gov.in	0471-2321583	0471 2321583	9447979008
12	Addl. Principal Chief Conservator of Forests (ED and 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

Sl No.	Designation	Email ID	Phone	Fax	Office Mobile
17	Chief Conservator of Forests (SA and 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 and 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	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	0474-2742010	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

Sl No.	Designation	Email ID	Phone	Fax	Office Mobile
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	Cf-fdpt.for@kerala.gov.in	0481-2311740	0481 2311741	9447979090
32	Conservator of Forests (I and E, Northern Region)	cf-ie-nr.for@kerala.gov.in	0495-2416800	0495-2416800	9447979120
33	Conservator of Forests (I and 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	0474-2222621		9447979034
35	Divisional Forest officer, Ranni Division	dfo-ranni.for@kerala.gov.in	0476-5227558		9447979035
36	Divisional Forest officer, Konni Forest Division	dfo-kni.for@kerala.gov.in	0468-2242233	0468 2242391	9447979033
37	Divisional Forest officer, Thenmala Division	dfo-then.for@kerala.gov.in	0475-2344521		9447979037
38	Divisional Forest officer, Thiruvananthapuram Division	dfotrivandrum@gmail.com	0471-2320637		9447979038
39	Divisional Forest officer, Achenkovil Division	dfo.akvl.for@kerala.gov.in	0475-2342315		9447979032
40	Divisional Forest officer, Punalur Timber Sales Division	dfo.ts.pnlr.for@kerala.gov.in	0475-2222617	0475 2222617	9847021389

Sl No.	Designation	Email ID	Phone	Fax	Office Mobile
41	Divisional Forest officer, Thiruvananthapuram Timber Sales Division	dfo-ts-tvm.for@kerala.gov.in	0471-2360166	0471 2360166	9847021370
42	Divisional Forest officer, Kottayam Division	dfo-ktym.for@kerala.gov.in	0481-2562276	0481 2562276	9447979043
43	Divisional Forest officer, Mankulam Division	dfo-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, Palakkad Division	dfo-plkd.for@kerala.gov.in	0491-2555156	0491 2555156	9447979067



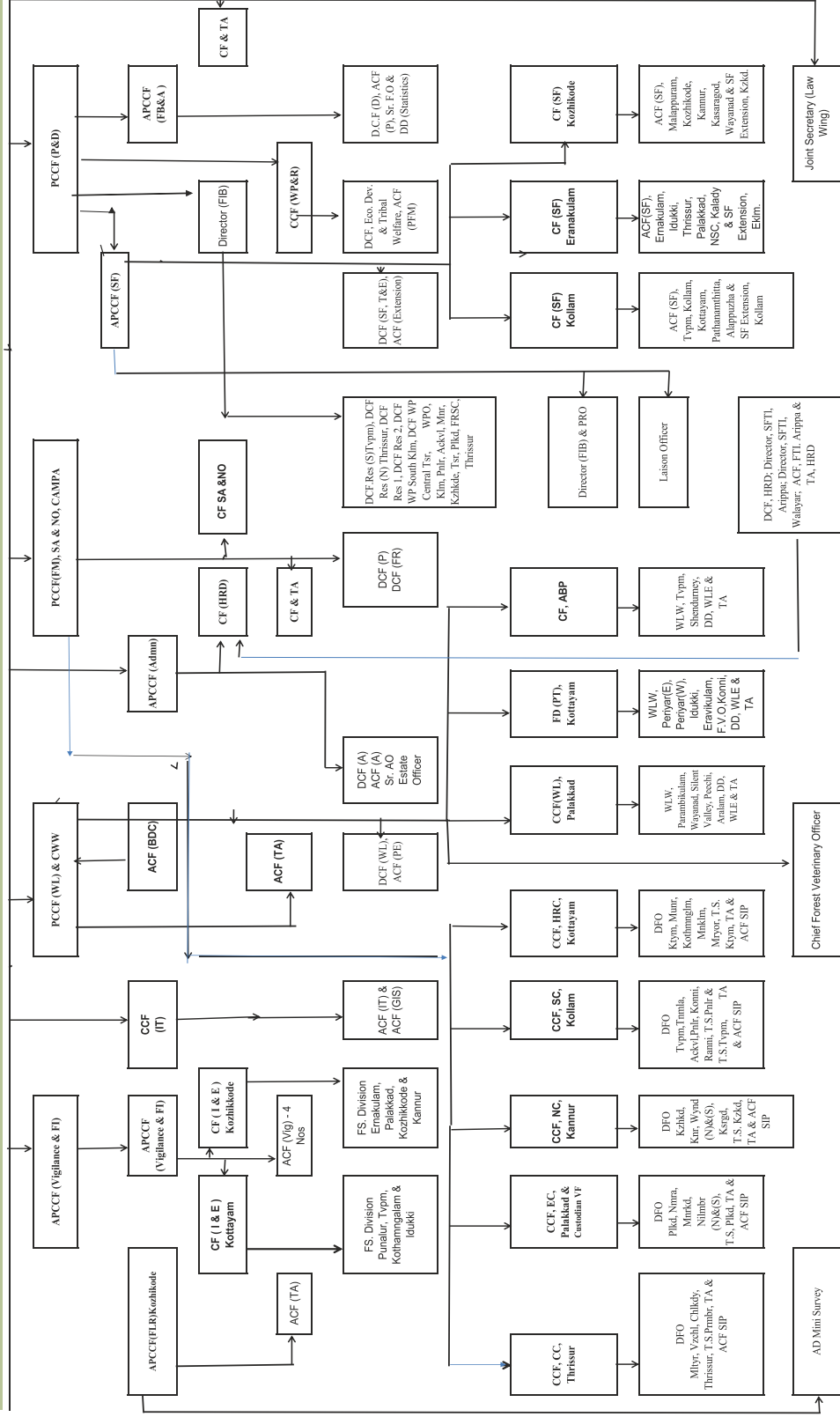
Sl No.	Designation	Email ID	Phone	Fax	Office Mobile
53	Divisional Forest officer, Nemmara Division	dfo-nenmara.for@kerala.gov.in	0492-3243179	0492 3243179	9447979062
54	Divisional Forest officer, Nilambur (North) Division	dfo-nlbrn.for@kerala.gov.in	0493-1220232	04931 220232	9447979064
55	Divisional Forest officer, Nilambur (South) Division	dfo-nlbrs. for@kerala.gov.in	0493-1220392	0493 1220392	9447979065
56	Divisional Forest officer, Mannarkad Division	dfo.mnkd.for@kerala.gov.in	0492-4222574		9447979066
57	Divisional Forest officer, Palakkad Timber Sales Division	dfo-ts-plkd.for@kerala.gov.in	0491-2555800		9447979175
58	Divisional Forest officer, Kannur Division	dfo-knr.for@kerala.gov.in	0497-2704808	0497 2704808	9447979072
59	Divisional Forest officer, Kozhikode Division	dfo.kozh.for@kerala.gov.in	0495-2374450	0495 2374450	9447979073
60	Divisional Forest officer, Wayanad (North) Division	dfo-wyndn.for@kerala.gov.in	0493-5240233	04935 246902	9447979074
61	Divisional Forest officer, Wayanad (South) Division	dfo-wynds.for@kerala.gov.in	0493-6203428	04936 2074469	9447979075
62	Divisional Forest officer, Kozhikkode Timber Sales Division	dfo-ts-kzkd.for@kerala.gov.in	0495-2414702		9447979009
63	Director, State Forest Training Institute, Aripa	pr.arippa.for@kerala.gov.in	0475-2312080		9447979171
64	Director, State Forest Training Institute, Walayar	pr.wlyr.for@kerala.gov.in	0491-2862260	0491 2862260	9447979172

Sl No.	Designation	Email ID	Phone	Fax	Office Mobile
65	Deputy Director, Periyar Tiger Reserve (East)	dd-ptr-east.for@kerala.gov.in	0486-9222027	04869 223750	9447979091
66	Deputy Director, Periyar Tiger Reserve (West)	dd-ptr-west.for@kerala.gov.in	0486-9232010	04869 232010	9447979092
67	Wildlife Warden, Thiruvananthapuram	ww-tvm.for@kerala.gov.in	0471-2360762		9447979082
68	Wildlife Warden, Idukki	ww-idk.for@kerala.gov.in	0486-2232271	0486 2232271	9447979094
69	Wildlife Warden, Shendurney	ww-sdny.for@kerala.gov.in	0475-2344600		9447979081
70	Wildlife Warden, Eravikulam National Park	ww-mnr.for@kerala.gov.in	0486-5231587	04865 231587	9447979093
71	Wildlife Warden, Silent Valley National Park	ww-svnp.for@kerala.gov.in	0492-4222056	0492 4222056	9447979104
72	Deputy Director, Parambikulam Tiger Reserve	ww-pklm.for@kerala.gov.in	0425-3245005		9447979102
73	Wildlife Warden, Wayanad Wildlife Sanctuary	ww-wynd.for@kerala.gov.in	0493-6220454		9447979105
74	Wildlife Warden, Aralam Wildlife Sanctuary	ww-aralam.for@kerala.gov.in	0490-2493160		9447979101
75	Wildlife Warden, Peechi Wildlife Sanctuary	ww-peechi.for@kerala.gov.in	0487-2699017		9447979102
76	Deputy Conservator, Research (South) Division	dcf-res-s.for@kerala.gov.in	0471-2368909	0471 2365820	9447979161
77	Deputy Conservator, Research (North) Thrissur	dcf-res-n.for@kerala.gov.in	0487-2334450	0487 2426915	9447979162

Sl No.	Designation	Email ID	Phone	Fax	Office Mobile
78	Senior Administrative Officer	saoadmin.for@kerala.gov.in	0471-2321798		
79	Deputy Director (Statistics)	dd-stat.for@kerala.gov.in	0471-2529162	0471 2529162	
80	Director, Forestry Information Bureau	dir-fib.for@kerala.gov.in	0471-2320155		9447979200
81	Forest Veterinary Officer, Konni	fvo.for@kerala.gov.in	0468-2242386	0468 2242386	
82	Assistant Director, Forest Mini Survey	asstdirfms.for@kerala.gov.in	0495-2418820		

## ORGANISATIONAL CHART 2019-20

Principal Chief Conservator of Forests &amp; Head of Forest Force





KERLA FORESTS &  
WILDLIFE DEPARTMENT

enriching ecosystems  
amazing citizens...

ADMINISTRATION REPORT 2019-20