



KERALA FOREST DEPARTMENT

ADMINISTRATION REPORT 2020-21





GOVERNMENT OF KERALA

Abstract

Forest & Wildlife Department -Establishment -Annual Administration Report 2020 -21 -Reviewed and approved - Orders issued.

FOREST & WILDLIFE (F) DEPARTMENT

G.O.(Rt)No.254/2022/F&WLD Dated,Thiruvananthapuram, 14-06-2022.

Read 1 Letter No.S2-86/2021, dated:29.04.2022 from the Principal Chief Conservator of Forests (Adm), Thiruvananthapuram.

ORDER

Government have reviewed the Annual Administration Report of the Forest and Wildlife Department for the year 2020 -21 and are pleased to approve the same.

(By order of the Governor)
RAJESH KUMAR SINHA
PRINCIPAL SECRETARY

To:

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

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

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

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

The Director, IMG, Thiruvananthapuram.

GeneralAdministration (AR) Department.

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GOVERNMENT OF KERALA

ADMINISTRATION
REPORT
2020-21

KERALA FOREST DEPARTMENT

KERALA FOREST DEPARTMENT

Minister

Shri . Adv. K. Raju

Principal Secretary

Shri . Rajesh Kumar Sinha IAS

Principal Chief Conservator of Forests
& Head of Forest Force

Shri P. K. Kesavan IFS

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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	APO	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	DFO	Divisional Forest Officer
25	DLC	District Level Committee
26	Dy RFO	Deputy Range Forest Officer
28	EAP	Externally Aided Project
29	EC	Eastern Circle
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

Contd.....

ABBREVIATIONS

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
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

Contd.....

ABBREVIATIONS

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
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

Contd.....

ABBREVIATIONS

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 Sanctuary
128	WLD	Wild Life Divisions
129	WLW	Wild Life Warden
130	WP &R	Working Plan and Research

CHAPTER 1

INTRODUCTION

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-organized 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 Reorganization Act 1956, Forest Department was also re-organized 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 (Achencovil) 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 &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 re-organization 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 re-organized into Palakkad, Nenmara and Mannarkkad Territorial Divisions, vide G.O (Ms) No. 121/89/F and WLD, dated:26.12.1989.
- This re-organization 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 re-organization 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 re-organized. 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 Achencovil, was formed with effect from 01.07.1993 comprising Achencovil, 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 31.03.2021, 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 ²)	Year of formation
National Parks			
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	MathikettanSholaNational Park	12.817	2003
6	Pambadum Shola National Park	1.318	2003
Wildlife Sanctuaries			
1	Periyar WLS (Tiger Reserve)	*777.00	1950
2	Neyyar WLS	128.000	1958
3	Peechi - Vazhani Wildlife Sanctuary	125.000	1958
4	Parambikulam WLS (Tiger Reserve)	**285.00	1973
5	Wayanad WLS	344.440	1973
6	Idukki WLS	70.000	1976
7	Peppara WLS	53.000	1983
8	Thattekkad Bird Sanctuary	25.000	1983
9	Shendurney WLS	171.00	1984
10	Chinnar WLS	90.440	1984

Sl.No.	Name	Area (km ²)	Year of formation
11	Chimmony WLS	85.000	1984
12	Aralam WLS	55.000	1984
13	Mangalavanam Bird Sanctuary	0.027	2004
14	Kurinjimala Sanctuary	32.000	2006
15	Choolannur Pea Fowl Sanctuary	3.420	2007
16	Malabar Sanctuary	74.215	2009
17	Kottiyoor WLS	30.380	2011
18	Karimpuzha WLS	227.97	2019
Tiger Reserve			
1	Periyar Tiger Reserve	925.00	2007
2	Parambikulam Tiger Reserve	643.66	2009
Community Reserve			
1	Kadalundy -Vallikunnu Community Reserve	1.500	2007
TOTAL		3441.207	

* Included in the Periyar Tiger Reserve

** Included in the PTR Forest area under the administrative charge of the Department: 11524.149 sq.km

Extent of Protected Areas : 3441.207 sq.km

% of Protected Areas :29.86

- 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 Circle (WP & RC) 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 Circle (WP & RC). 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&RC) 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 re-designated 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-Newzeland 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 Forest Mini Survey Unit

The Forest Mini 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 hill-men settlements, lease holds and permanent assignments within reserved forests. Now, the wing is headed by an Assistant Director of Survey assisted by 2 Survey Superintendents, 2 Head Surveyors, 1 Head Draftsman, 18 Surveyors and 8 Draftsmen on deputation from the Survey Department.

1.5.9 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) spread 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 is 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 dated 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 Eco-development 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.) is 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
2014	Implementation of e-auction
2018	E-Data base for Captive Elephant
2018	Implementation of online booking for Eco-Tourism Centers
2020	Karimpuzha declared as Wildlife Sanctuary
2021	Establishing Animal Hospice & Palliative Care Unit in Wayanad Division
2021	State policy on Eco restoration of forests and natural habitats promulgated
2021	First phase of the Elephant Rehabilitation Centre inaugurated.

1.8 VISION, MISSION AND OBJECTIVES

Forest is a multi use, 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 of the Nation, States and the world at large.

Mission

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

Objectives

- To scientifically manage the forests by adopting the ecosystem approaches 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 sensitize 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

- 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 ForestAct,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 ControlAct,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.

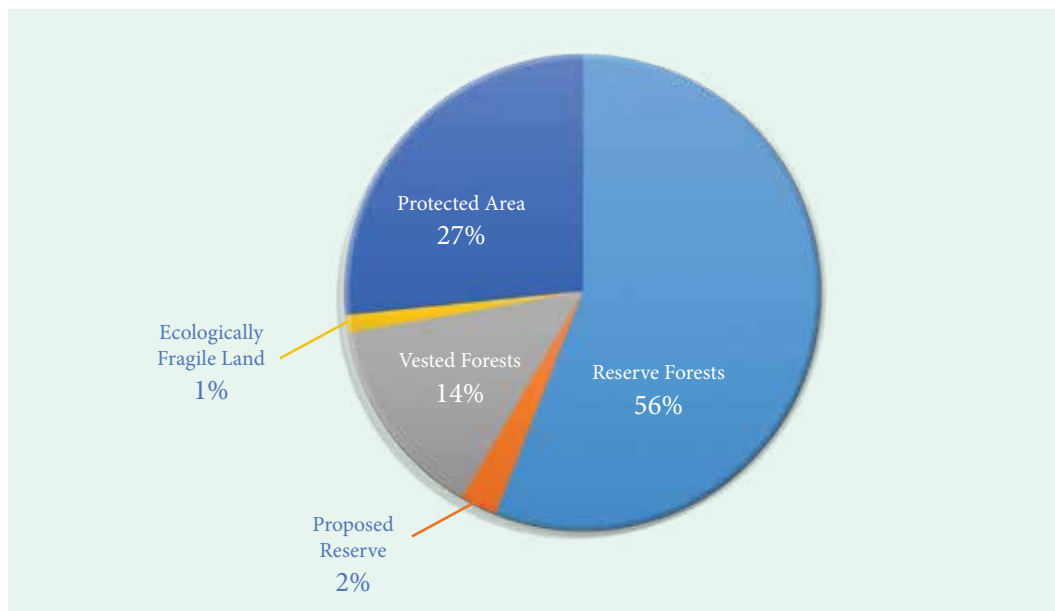
1.11 CONSTITUTION OF STATE FORESTS

The forest area under the administrative charge of Kerala Forest Department is 11524.913 km² at the close of the year 2020-21 and forms 29.66% of the total geographical area of the State (38863km²) 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 1562.04 km² which accounts 13.55% of the total forest area.

Table 3 - Distribution of Forest Area and their Legal Status

Sl.No.	Type of Forests	Extent in km ²
1	Reserved Forest (RF)	6451.677
2	Proposed Reserve (Prop. RF)	285.093
3	Vested Forest (VF)	1586.147
4	Ecologically Fragile Land (EFL)	135.812
5	Protected Area	3066.184
Total Forest Area		11524.913

LEGAL STATUS-WISE DISTRIBUTION OF FOREST AREA DURING 2020-21



Circle and Division wise distribution of forest area (km²) according to legal status as on 31.03.2021 is given below.

Table 4 - Circle and Division wise Forest Area (km²)

Sl. No.	Divisions	RF	PRF	VF	EFL	PA	Total
I. Southern Circle, Kollam							
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	0.00	0.000	0.000	331.655
Total		2282.470	24.152	10.057	9.112	0.000	2325.791
II. High Range Circle, Kottayam							
7	Kottayam*	627.286	1.683	31.967	2.666	0.000	663.602
8	Kothamangalam	317.604	0.549	0.158	0.000	0.000	318.311
9	Munnar**	693.535	71.999	2.575	5.148	0.000	773.257
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
Total		1652.800	211.547	34.776	10.279	0.000	1909.402
III. Central Circle, Thrissur							
12	Vazhachal	353.414	0.000	0.000	0.000	0.000	353.414
13	Chalakydy	237.470	0.000	0.000	0.040	0.000	237.510
14	Malayattoor	609.725	1.214	0.000	0.000	0.000	610.939
15	Thrissur	207.041	0.948	4.309	0.849	0.000	213.147
Total		1407.650	2.162	4.309	0.889	0.000	1415.009
IV. Eastern Circle, Palakkad							
16	Mannarkkad	150.732	0.000	271.522	8.072	0.000	430.326
17	Nilambur North	58.393	0.252	371.720	9.622	0.000	439.987
18	Nilambur South	56.509	0.000	40.505	1.803	227.970	326.787
19	Palakkad	73.410	0.000	160.442	29.856	0.000	263.707
20	Nenmara	205.517	0.038	141.751	9.662	0.000	356.967
Total		544.561	0.290	985.939	59.015	227.970	1817.774

Sl. No.	Divisions	RF	PRF	VF	EFL	PA	Total
V. Northern Circle, Kannur							
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
Total		387.336	46.872	546.840	55.419	74.426	1110.893
VI. Wildlife Circle, Agasthyavanam Biological Park							
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
Total		31.813	0.000	4.226	0.354	347.820	384.213
VII. Wildlife Circle, Field Director Project Tiger, Kottayam							
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
Total		35.524	0.000	0.000	0.675	1261.077	1297.276
VII. Wildlife Circle, Palakkad							
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
Total		102.837	0.039	0.000	0.069	1154.864	1257.809
Other Divisions having Forest Area							
37	TS Perumbavoor	0.284	0.031	0.000	0.000	0.000	0.315
38	TS Kozhikkode	0.202	0.000	0.000	0.000	0.000	0.202
39	NSC Kalady	6.201	0.000	0.000	0.000	0.000	6.201
40	Mangalavanam BS	0.000	0.000	0.000	0.000	0.027	0.027
TOTAL		6.687	0.031	0.000	0.000	0.027	6.745
GRAND TOTAL		6451.677	285.093	1586.147	135.812	3066.184	11524.913

* 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 2020-21, 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 Organizational structure of the Department is as follows:

Table 5 - Organizational structure during 2020-21

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)
	Principal Chief Conservator of Forests (Vigilance and Forest Intelligence)
	Addl. Principal Chief Conservator of Forests (Finance, Budget & Audit)
	Addl. Principal Chief Conservator of Forests (Social Forestry)
	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
<p>Office of the Principal Chief Conservator of Forests (Wildlife) and Chief Wildlife Warden</p>	<p>CF (Agasthyavanam Biological Park) Thiruvananthapuram</p> <ul style="list-style-type: none"> • Wildlife Warden, Thiruvananthapuram • Wildlife Warden, Shenduruny <p>Field Director (Project Tiger), Kottayam</p> <ul style="list-style-type: none"> • Wildlife Warden, Munnar Wildlife • Wildlife Warden, Idukki • Deputy Director (Periyar Tiger Reserve) East, Thekkady • Deputy Director (Periyar Tiger Reserve) West, Peerumedu <p>Chief Conservator of Forests (Wildlife), Palakkad</p> <ul style="list-style-type: none"> • Wildlife Warden, Aralam • Wildlife Warden, Wayanad • Wildlife Warden, Silent Valley • Deputy Director, Parambikulam Tiger Reserve • Wildlife Warden, Peechi <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>
<p>Office of the Principal Chief Conservator of Forests (Planning & Development)</p>	<p>APCCF(Social Forestry)</p> <p>Director, Forestry Information Bureau (FIB)</p> <p>CCF(WP&R)</p> <ul style="list-style-type: none"> • Working Plan Officer, Kollam • Working Plan Officer, Punalur • Working Plan Officer, Achencovil • Working Plan Officer, Munnar • Working Plan Officer, Palakkad • Working Plan Officer, Kozhikode • Research North, Thrissur. • Research North 1 and Special Officer Zoological Park, Thrissur • DCF, Research South, Thiruvananthapuram • DCF, Research South 1, Thiruvananthapuram • DCF, Working Plan South, Kollam • DCF, Working Plan Central, Thrissur • DCF, Working Plan North, Kozhikode • ACF,FRS Cell, Thrissur <p>DCF (Development)</p> <p>ACF (Planning)</p> <p>Senior Finance Officer</p> <p>Deputy Director (Statistics)</p>

Offices	Officers
Office of the Principal Chief Conservator of Forests (Forest Management) &Nodal Officer	CF (SA&NO)
	CCF(Eco Development and Tribal Welfare)
	• DCF (E &TW)
	• ACF (Participatory Forest Management)
	CF and TA to PCCF(FM)
	•DCF (Protection)
	• DCF (Forest Resources)
	CCF (Southern Circle), Kollam
	• DFO, Ranni
	• DFO, Konni
	• DFO, Achenkovil
	• DFO, Punalur
	• DFO, Thenmala
	• DFO, Thiruvananthapuram
	• DFO, Timber Sales, Punalur
	• DFO, Timber Sales, Thiruvananthapuram
	CCF (High Range Circle), Kottayam
	• DFO, Kothamangalam
• DFO, Munnar	
• DFO, Mankulam	
• DFO, Kottayam	
• DFO, Marayoor Sandal Division, Marayoor	
• DFO, Timber Sales, Kottayam	
CCF (Central Circle), Thrissur	
• DFO, Thrissur	
• DFO, Chalakkudy	
• DFO, Vazhachal	
• DFO, Malayattoor	
• DFO, Timber Sales, Perumbavoor	
CCF (Eastern Circle), Palakkad	
• DFO, Nilambur North	
• DFO, Nilambur South	
• DFO, Mannarkkad	
• DFO, Palakkad	
• DFO, Nenmara	
• DFO, Timber Sales, Palakkad	
CCF(Northern Circle), Kannur	
• DFO, Kannur	
• DFO, Wayanad North	

Offices	Officers
	DFO, Wayanad South <ul style="list-style-type: none"> • DFO, Kozhikkode • DFO, Kasargode DFO, Timber Sales, Kozhikkode.
Office of the Addl. Principal Chief Conservator of Forests (Social Forestry) and custodian EFL	CF (SF) Southern Region, Kollam <ul style="list-style-type: none"> • ACF (SF), Thiruvananthapuram • ACF (SF), Kollam • ACF (SF), Alappuzha • ACF (SF), Pathanamthitta • ACF (SF), Kottayam • ACF (SF) Extension, Kollam CF(SF) Central Region, Ernakulam <ul style="list-style-type: none"> • ACF (SF), Palakkad • ACF (SF), Thrissur • ACF (SF), Ernakulam • ACF (SF), Idukki • ACF (SF), Extension, Ernakulam • ACF,NSC, Kalady CF (SF) Northern Region, Kozhikkode <ul style="list-style-type: none"> • ACF (SF), Kozhikkode • ACF (SF), Kasaragod • ACF (SF), Kannur • ACF (SF), Wayanad • ACF (SF), Malappuram • ACF(SF) Extension, Kozhikkode ACF (Social Forestry) ACF (Social Forestry) ACF-ACM Unit

Offices	Officers
Office of the Principal Chief Conservator of Forests (Vigilance and Forest Intelligence)	CF (Inspection and Evaluation), Kottayam <ul style="list-style-type: none"> • DFO, Flying Squad, Thiruvananthapuram • DFO, Flying Squad, Punalur • DFO, Flying Squad, Kothamangalam • DFO, Flying Squad, Idukki CF (Inspection and Evaluation), Kozhikode <ul style="list-style-type: none"> • DFO, Flying Squad, Ernakulam • DFO, Flying Squad, Palakkad • DFO, Flying Squad, Kozhikode • DFO, Flying Squad, Kannur ACF (Vigilance 1) FIC ACF (Intelligence) ACF (Vigilance 3) ACF (Vigilance 4)
Office of the Addl. Principal Chief Conservator of Forests (Administration)	CF(HRD) <ul style="list-style-type: none"> • DCF (HRD) • Director, State Forest Training Institute, Walayar • Deputy Director, State Forest Training Institute, Walayar • Director, State Forest Training Institute, Arippa • Deputy Director, State Forest Training Institute, Arippa • ACF, Fire Training Centre, Arippa • ACF and TA to CF(HRD) • Forest Training Centre, Thiruvananthapuram DCF(Administration) ACF(Administration) Senior Administrative Officer ACF (Estate Officer)
Chief Executive Officer, CAMPA	<ul style="list-style-type: none"> • Joint Chief Executive Officer (CAMPA) • Deputy Chief Executive Officer (CAMPA)
Special Afforestation	CF (SA) <ul style="list-style-type: none"> • ACF (SA)
Office of the Chief Conservator of Forests (Information Technology)	CCF (IT) <ul style="list-style-type: none"> • ACF(IT) • ACF(GIS)
Office of the Addl. Principal Chief Conservator of Forest (Forest land and Resources) Kozhikode	ACF(TA) <ul style="list-style-type: none"> • Assistant Director, Forest Mini Survey, Kozhikode.

Table No. 6 Name of Officers in charge of the various wings during 2020-21

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 – 28.02.2021		
		Sri. Devendra Kumar Verma IFS		01.03.2021 – 31.03.2021		
3	Forest Management	Sri. Bennichan Thomas IFS	Principal Chief Conservator of forests (Forest Management)	08.08.2019 – 31.03.2021		
4	Vigilance and Forest Intelligence	Sri. Ganga Singh IFS	Principal Chief Conservator of Forests (Vigilance)	27.11.2020 -Continuing		Created Ex-cadre post as per GO (Rt) 3658/20/ GAD dated 25.11.2020
5	Planning and Development	Sri. Devendra Kumar Verma IFS	Principal Chief Conservator of Forests (Planning and Development)	07.08.2019 –03.03.2021		Ex-cadre post
		Sri. Jaya Prasad IFS		03.03.2021 - Continuing		
6	Social Forestry	Sri.E. Pradeep Kumar IFS	Additional Principal Chief Conservator of Forests (SF)	07.08.2019 - Continuing		Ex-cadre post
7	Administration	Sri. Rajesh Ravindran IFS	Additional Principal Chief Conservator of Forests (Administration)	01.01.2021 - Continuing		Additional Charge
		Sri. D.K. Verma IFS		03.11.2020 – 01.01.2021		
		Dr. P. Pugazhendi IFS		01.01.2021 - Continuing		

Sl. No.	Office/Wing	Name	Designation	Period		Remarks
				From	To	
Headquarters wings						
8	Finance Budget and Audit	Sri. Noyal Thomas IFS	Additional Principal Chief Conservator of Forests (Finance Budget and Audit)	01.01.2021 – 31.03.2021		
9	Forest, Land and Resources, Kozhikkode	Sri. Deepak Mishra IFS	Chief Conservator of Forests (CC), Thrissur	04.01.2020 – 01.01.2021		Additional Charge (Post of APCCF (FLR) FHQ shifted to KKD vide GO(Ms)33/19/f&WLDdtd. 26.12.19
		Sri. Deepak Mishra IFS	Additional Principal Chief Conservator of Forests (Forest, Land and Resources), Kozhikkode	01.01.2021 – 14.01.2021 (Full charge)		As per GO(Rt) 10/21/ GAD dtd. 01.01.2021
		Sri. J. Devaprasad IFS	Conservator of Forests (I&E), Kozhikkode	14.01.2021 – 08.02.2021		Additional Charge
		Sri. D. Jayaprasad IFS	Additional Principal Chief Conservator of Forests (Forest, Land and Resources), Kozhikkode	08.02.2021 – 02.03.2021		
		Sri. D. Jayaprasad IFS	Principal Chief Conservator of Forests (Planning & Development)	03.03.2021 - Continuing		Additional Charge
10	Vigilance and Forest Intelligence	Sri.V. V. Shajimon IFS	Additional Principal Chief Conservator of Forests (Forest Intelligence)	09.08.2019 - Continuing		

Sl. No.	Office/Wing	Name	Designation	Period		Remarks
				From	To	
Headquarters wings						
11	Human Resource Development	Khyati Mathur IFS	Conservator of Forests	15.01.2019 - 04.02.2021		
		Sri. Sanjayankumar IFS	Chief Conservator of Forests (Southern Circle), Kollam	04.02.2021 - 11.02.2021		Additional charge
		Neethu Lakshmi M IFS	Conservator of Forests	11.02.2021 - Continuing		
12	Information Technology	Dr.P. Pugazhendi IFS	Chief Conservator of Forests (Information Technology)	01.04.2020 - 01.01.2021		Additional charge
		Sri. Noyal Thomas IFS	Additional Chief Conservator of Forests (Finance Budget and Audit)	01.01.2021 - Continuing		Additional charge
13	CCF & NO, Compensatory Afforestation Fund Management and Planning Authority	Sri. G. Phanindra Kumar Rao IFS	CCF &NO, Compensatory Afforestation Fund Management and Planning Authority	17.06.2020 – 15.01.2021		Officer relinquished the charge on 15.01.2021
14	Working Plan and Research	Sri. Pramod G Krishnan IFS	Chief Conservator of Forests (Working Plan and Research)	01.04.2020 - Continuing		
15	Eco- Development and Tribal Welfare	Smt. Padma Mahanti IFS	Conservator of Forests and Technical Assistant to Chief Wildlife Warden(Eco-Development and Tribal Welfare)	01.01.2019 - 9.06.2020		
		Sri. Pramod G Krishnan IFS	Chief Conservator of Forests (Working Plan and Research)	19.06.2020 - Continuing		Additional Charge

Sl. No.	Office/Wing	Name	Designation	Period		Remarks
				From	To	
Headquarters wings						
16	CEO, Compensatory Afforestation Fund Management and Planning Authority	Sri. G. Phanindra Kumar Rao IFS	CEO, Compensatory Afforestation Fund Management and Planning Authority	14.08.2019 – 02.05.2020		Ex-cadre post
		Sri. S. Gopalakrishnan IFS	CEO, Compensatory Afforestation Fund Management and Planning Authority	02.05.2020 – 31.05.2020		
		Sri. Pramod G Krishnan IFS	Chief Conservator of Forests (Working Plan and Research)	31.05.2020 – 04.11.2020		Additional Charge
		Sri. Rajesh Ravindran IFS	CEO, Compensatory Afforestation Fund Management and Planning Authority	04.11.2020 - Continuing		

Territorial Circle

Sl. No.	Office/Wing	Name	Designation	Period	Remarks
1	Southern Circle Kollam	Sri. Vijayanathan. K IFS	Conservator of Forests in full charge of Chief Conservator of Forests (Southern Circle), Kollam	01.04.2020 - 07.05.2020	
		Sri. Sanjayan kumar IFS	Chief Conservator of Forests (Southern Circle), Kollam	07.05.2020 - Continuing	
2	High Range Circle, Kottayam	Sri. Georgi P Mathachen IFS	Conservator of Forests in full charge of Chief Conservator of Forests(HRC) Kottayam	26.10.2019 - Continuing	
3	Central Circle, Thrissur	Sri. Deepak Mishra IFS	Chief Conservator of Forests (Central Circle), Thrissur	04.01.2020 – 14.01.2021	
		Sri. J. Devaprasad IFS	Deputy Conservator of Forests in full charge of Chief Conservator of Forests (Central Circle), Thrissur	14.01.2021 – 09.02.2021	Additional charge
		Smt. Khyati Mathur IFS	Conservator of Forests in full charge of Chief Conservator of Forests (Central Circle), Thrissur	10.02.2021 - Continuing	
4	Eastern circle, Palakkad	Sri. Pramod P P IFS	Deputy Conservator of Forests in full charge of Chief Conservator of Forests (Eastern Circle)Palakkad.	02.07.2019– Continuing	
5	Northern Circle Kannur	Sri.K. Karthikeyan IFS	Deputy Conservator of Forests in full charge of Chief Conservator of Forests(Northern Circle) Kannur	20.07.2018 - 02.09.2020	
		Dr. R. Adalarasan IFS	Deputy Conservator of Forests in full charge of Chief Conservator of Forests (Northern Circle), Kannur	03.09.2020 – 05.11.2020	Additional Charge
		Sri. Vinod Kumar D K IFS	Deputy Conservator of Forests in full charge of Chief Conservator of Forests (Northern Circle), Kannur	06.11.2020 - Continuing	

Wildlife Circle

Sl. No.	Office/Wing	Name	Designation	Period	Remarks
1	Wildlife Palakkad	Sri. B.N. Anjan Kumar IFS	Deputy Conservator of Forests in full charge of Chief Conservator of Forests (Wildlife) & Field Director, Palakkad	21.05.2018 - 13.05.2020	
		Sri. Vijayananthan IFS	Conservator of Forests in full charge of Chief Conservator of Forests (Wildlife) Field Director, Palakkad	13.05.2020 - Contining	
2	Field Director (Project Tiger), Kottayam	Sri. Anoop K R IFS	Conservator of Forests in full charge of Chief Conservator of Forests Field Director (Project Tiger), Kottayam.	08.11.2019 - Continuing	
3	Agasthyavanam Biological Park, Thiruvananthapuram	Sri. J Devaprasad IFS	Deputy Conservator of Forests in full charge of Conservator of Forests (Wildlife) looking after ABP circle	07.11.2019 – 11.11.2020	Additional Charge
		Sri. Jose . H.T	Assistant Conservator of Forests Forests(SIP in full charge of Conservator of Forests (Wildlife)	11.11.2020 - 18.11.2020	
		Dr. R. Adalarasan IFS	Deputy Conservator of Forests in full charge of CF (Wildlife) looking after ABP circle	18.11.2020 – 31.03.2021	

Social Forestry

Sl. No.	Office/Wing	Name	Designation	Period	Remarks
1	Social Forestry (Southern Region), Kollam	Sri. Sidheeq IFS	Deputy Conservator of Forests in full charge of Conservator of Forests	08.11.2019 - Continuing	
2	Social Forestry (Central Region) Ernakulam	Sri. Meenakshi IFS	Deputy Conservator of Forests in full charge of Conservator of Forests (Social Forestry) Ernakulam.	02.07.2019 - Continuing	
3	Social Forestry Kozhikkode	Sri. N T Sajan IFS	Deputy Conservator of Forests in full charge of Conservator of Forests (Social Forestry) Kozhikkode	17.08.2019 - continuing	

Inspection & Evaluation Circles

Sl. No.	Office/Wing	Name	Designation	Period	Remarks
1	Conservator of Forests (Inspection and Evaluation) Kottayam	Sri P.V. Madhusoodhanan IFS	Deputy Conservator of Forests in full charge of Conservator of Forests (nspection&Evaluation) Kottayam	01.04.2020 - 31.05.2020	
		Sri. Georgi P Mathachen IFS	Chief Conservator of Forests in full charge of Conservator of Forests (I&E), Kottayam	31.05.2020 - 03.09.2020	Additional Charge
		Sri. A. Renjan IFS	Deputy Conservator of Forests in full charge of Conservator of Forests(Inspection and Evaluation) Kottayam	03.09.2020 - Continuing	
2	Conservator of Forests(Inspection and Evaluation Circles), Kozhikode	Sri R Adalarasan IFS	Deputy Conservator of Forests in full charge of Conservator of Forests (Inspection and Evaluation) Kozhikode	26.12.2018 - 11.11.2020	
		Sri. Devaprasad IFS	Conservator of Forests (Inspection and Evaluation Circles), Kozhikode	11.11.2020 - 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	
Total	15	79	205

** 6 of which are Territorial functional units*

#4 of which are Wildlife functional units

***3 of which are Social Forestry Extensions*

2 of which are Research Divisions

Table 8 - Organisational Structure of the Forest Circles1

Sl. No.	Territorial Circle	Territorial Divisions	Territorial Ranges
1	Southern Circle, Kollam	1. Thiruvananthapuram 2. Thenmala 3. Punalur 4. Achencovil 5. Konni 6. Ranni	1. Kulathupuzha 2. Palode 3. Parthippally Range 4. Aryankavu 5. Thenmala 6. Pathanapuram 7. Anchal 8. Kallar 9. Kanayar 10. Achencovil 11. Mannarappara 12. Naduvathumoozhy 13. Konni 14. Goodrical 15. Ranni 16. Vadasserikkara 17. Central Nursey, Kulathupuzha*
2	High Range Circle, Kottayam	7. Kottayam 8. Kothamangalam 9. Mankulam 10. Munnar 11. Marayoor	18. Nagarampara 19. Ayyappancoil 20. Kumily 21. Erumeli 22. Kothamangalam 23. Mullaringad 24. Kaliyar 25. Thodupuzha 26. Anakulam 27. Mankulam 28. Munnar 29. Devikulam 30. Adimali 31. Neriya mangalam 32. Marayoor 33. Kanthalloor 34. Ranger Special Investigation Unit*

Sl. No.	Territorial Circle	Territorial Divisions	Territorial Ranges
3	Central Circle, Thrissur	12. Malayattoor 13. Vazhachal 14. Chalakudy 15. Thrissur	35. Thundathil 36. Kuttampuzha 37. Kalady 38. Kodanad 39. Edamalayar 40. Charpa 41. Vazhachal 42. Sholayar 43. Kollathirumedu 44. Adirappilly 45. Palapilly 46. Vellikulangara 47. Pariyaram 48. Wadakkanchery 49. Machad 50. Pattikkadu Central Nursery, Chettikulam*
4	Eastern Circle, Palakkad	16. Nilambur South 17. Nilambur North 18. Palakkad 19. Mannarkkad 20. Nemmara	51. Vazhikkadavu 52. Nilambur 53. Edavna 54. Karulai 55. Kalikavu 56. Ottappalam 57. Olavakkode 58. Walayar 59. Attapady 60. Agali 61. Mannarkkad 62. Alathur 63. Kollengode 64. Nellyampathy 65. Forest Protection Force Nilambur* 66. Central Nursery Nilambur*

Sl. No.	Territorial Circle	Territorial Divisions	Territorial Ranges
5	Northern Circle, Kannur	21. Kozhikode 22. Wayanad South 23. Wayanad North 24. Kannur 25. Kasaragod	67. Kuttiady 68. Peruvannamoozhy 69. Thamarassery 70. Chedleth 71. Kalpetta 72. Meppady 73. Begur 74. Mananthavady 75. Peria 76. Kasargode 77. Kanhangad 78. Thaliparambu 79. Kottiyoor 80. Kannavam 81. Special Range, Timber Extraction*

Sl. No.	Timber sales Divisions	Timber sales Range
1	Timber Sales Division, Thiruvananthapuram	1. Aryankavu Depot 2. Kulathupuzha Depot 3. Thenmala Depot 4. Achencovil Depot 5. Mullumala Depot (Annex)
2	Timber Sales Division, Punalur	6. Areekakkavu Depot 7. Konni Depot 8. Pathanapuram Depot 9. Tuet Depot 10. Kadakkamon Depot 11. Veeyapuram Depot
3	Timber Sales Division, Kottayam	12. Kothamangalam Depot 13. Thalakkode Depot 14. Vettikkad Depot 15. Parampuzha Depot
4	Timber Sales Division, Perumbavoor	16. Chalakkudy Depot 17. Chettikulam Depot 18. Mudickal Depot 19. Varapuzha Depot 20. Veettoor Depot

Sl. No.	Timber sales Divisions	Timber sales Range
5	Timber Sales Division, Palakkad	21. Nedunkayam Depot 22. Aruvakode Depot 23. Walayar Depot
6	Timber Sales Division, Kozhikode	24. Chaliyam Depot 25. Kuppady Depot 26. Bavely Depot 27. Kannavam Depot 28. Parappa Depot

Sl. No.	Wildlife Circle	Wildlife Divisions	Wildlife Ranges
1	Agasthyavanam Biological Park, Thiruvananthapuram	1. Shenduruney 2. Thiruvananthapuram	1. Shendurney Sanctuary 2. Peppara Sanctuary 3. Neyyar 4. Agasthyavanam Biological Park Range
2	Field Director, (Project Tiger) Kottayam	3. Periyar East 4. Periyar West 5. Idukki 6. Eravikulam	5. Peiyar Range 6. Vallakadavu Range 7. Thekkady Range 8. Pamba Range 9. Azhutha Range 10. Thattekkadu Sanctuary 11. Idukki Sanctuary 12. Shola National Park 13. Chinnar Range 14. Eravikulam National Park 15. Research Thekkady# 16. Flying Squad Range, Thekkady # 17. Eco-Development Range#

Sl. No.	Wildlife Circle	Wildlife Divisions	Wildlife Ranges
3	Wildlife Circle, Palakkad	7. Peechi 8. Silent Valley 9. Parambikulam 10. Aralam 11. Wayanad	18. Peechi-Vazhani 19. Chimmony 20. Silent Valley Range 21. Bhavani Range 22. Sungam Range 23. Parambikulam Range 24. Orukomban Range 25. Karimala Range 26. Aralam Sanctuary 27. Tholpetty Range 28. Krichiat Range 29. Sulthan Bathery 30. Muthanga Range 31. Elephant Squad#

Sl. No.	Social Forestry Circle	Social Forestry Divisions	Social Forestry Ranges
1	Social Forestry, Southern Region, Kollam	<ol style="list-style-type: none"> 1. Thiruvananthapuram 2. Kollam 3. Pathanamthitta 4. Alappuzha 5. Kottayam 6. Social Forestry Extension, Kollam** 	<ol style="list-style-type: none"> 1. Attingal Range 2. Thiruvananthapuram Range I Thiruvananthapuram Range II 3. Neyyattinkara Range 4. Punalur Range 5. Kollam Range 6. Ranni Range 7. Pathanamthitta Range 8. Alappuzha Range I 9. Alappuzha Range II 10. Ponkunnam Range 11. Kottayam Range
2	Social Forestry, Central Region, Ernakulam	<ol style="list-style-type: none"> 7. Idukki 8. (a) Ernakulam (b) Nature Study Centre (NSC), Kalady 9. Thrissur 10. Palakkad 11. Social Forestry Extension, Ernakulam** 	<ol style="list-style-type: none"> 12. Munnar Range 13. Kattappana Range 14. Peerumedu Range 15. Thodupuzha Range 16. Perumbvoor Range 17. Ernkulam Range 18. Agali Range 19. Mannarkkad Range 20. Palakkad Range 21. Thrissur Range 22. Chalakkudy Range
3	Social Forestry, Northern Region, Kozhikkode	<ol style="list-style-type: none"> 12. Malappuram 13. Kozhikode 14. Wayanad 15. Kannur 16. Kasaragod 17. Social Forestry Extension, Kozhikkode** 	<ol style="list-style-type: none"> 23. Nilambur Range 24. Malappuram Range 25. Vadamangalam Range 26. Kozhikkode Range 27. Mananthavady Range 28. Kalpetta Range 29. Kannur Range 30. Thalassery Range 31. Hosdurg Range 32. Kasargod Range

Sl. No.	Working Plan & Research Circles	Working Plan & Research Divisions	Working Plan & Research Ranges
1	Thiruvananthapuram	1. Achencovil	1. RFO Working Plan Range I 2. RFO Working Plan Range II
		2. Kozhikkode	3. RFO Working Plan Range
		3. Palakkad	4. RFO Working Plan Range I 5. RFO Working Plan Range II
		4. Munnar	6. RFO Working Plan Range I 7. RFO Working Plan Range II
		5. Thrissur	8. RFO FRSC Thrissur
		6. Punalur	9. RFO Working Plan Range I 10. RFO Working Plan Range II
		7. Kollam	11. RFO Working Plan Range
		8. Research (North)##	12. RFO Nilambur Research Range 13. RFO Mananthavady Research Range 14. RFO Forest Seed Centre Peechi
		9. Research (South) ##	15. RFO Kodanad Research Range

Sl. No.	Vigilance Circle	Divisions	Flying Squad Ranges
1	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
2	Inspection and Evaluation, Kozhikkode	5. Ernakulam	10. Thrissur 11. Perumbavoor
		6. Palakkad	12. Palakkad 13. Nellyampathi
		7. Kozhikkode	14. Kozhikkode 15. Kalpatta 16. Nilambur
		8. Kannur	17. Kasargod 18. Kannur

Sl. No.	Training	Institutions
1	Human Resource Development Forest Training Centre, PTP Nagar, Thiruvananthapuram	1.State Forest Training Institute, Walayar 2. State Forest Training Institute, Arippa

* Territorial functional units

Wildlife functional units

** Social Forestry Extension Units

Research Divisions

Note:- Other relevant information namely – Division and Range wise details of forest stations is given in 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 given in Annexure 2 and Organization chart of the department is given in Annexure 3.

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 travelling 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 2019-20 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, 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 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.

2.3.6 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.

2.3.7 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.

2.3.8 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.

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.

2.3.9 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.

2.3.10 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 within 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.

2.3.11 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 3441.207 km² of forests under its protected area network which includes 6 National Parks, 18 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.

2.3.12 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 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 2014as 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)** are 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 down in 1984 and the fire training responsibilities were shifted to Forest Training Institute at Arippa. Similarly, to improve the working conditions of the organization, 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 2020-21

Sl. No.	Category	Sanctioned Strength	In Position
1	Principal Chief Conservator of Forests*	5	5
2	Addl. Principal Chief Conservator of Forests*	6	6
3	Chief Conservator of Forests	11	11
4	Conservator of Forests	13	13
5	Dy. Conservator of Forests (IFS Cadre)	35	35
6	Addl Deputy Conservator of Forests	3	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	2
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	33
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	71
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

Sl. No.	Category	Sanctioned Strength	In Position
28	Clerk	446	439
29	Statistical Assistant Gr. I and II	34	32
30	Fair copy Superintendent	8	8
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.Iand II	66	37
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

Sl. No.	Category	Sanctioned Strength	In Position
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
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

Sl. No.	Category	Sanctioned Strength	In Position
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	7249

**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 40 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 2020-21

Sl. No.	Name of Post	Numbers of Post
1	Range Forest Officer	64
2	Beat Forest Officer	172
3	Clerk	37
4	Typist	7
5	Driver	2
6	Office Attendant	33
7	Night Watcher	4
8	Depot Watcher	3
9	RF Watcher	18
10	Watcher	5
11	Part Time Sweeper	8
12	Boat Cleaner	2
13	Wild Life Assistant	1
	TOTAL	356

3.1.3 Retirements:

During the year 2020-21 a total of 157 persons were retired from the service including one 1FS officer. Out of 58 were Gazetted officers while the rest 99 were non-Gazetted staff.

Table 11 - Retirements during 2020-21

Sl. No.	Office	Gazetted	Non Gazetted	Total
Circle Office				
1	ABP Circle	0	1	1
2	CC Trissur	0	16	16
3	EC Palakkad	4	11	15
4	FDPT Kottayam	0	8	8
5	HRC Kottayam	5	14	19
6	NC Kannur	5	8	13
7	SC Kollam	4	10	14

Sl. No.	Office	Gazetted	Non Gazetted	Total
8	SF Eranakulam	0	6	6
9	WL Palakkad	1	2	3
Circle Office				
10	Administration	31	7	38
11	Information Technology	0	1	1
12	Social Forestry	1	0	1
13	Working Plan & Research	2	4	6
14	Vigilance	4	10	14
15	Human Resources Development	0	1	1
16	Wildlife	*1	0	
Total		58	99	157

3.1.4 Posts Created:

During 2020-21, no new posts were created in the department.

3.1.5 Supernumerary posts operated:

During 2020-21, no new posts were created in the department.

3.2 TRAINING

A total of 410 officers/ staff of the department were imparted training in different topics/ subjects in various institutions during the year 2020-21

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.

3.4 DISCIPLINARY PROCEEDINGS AGAINST DEPARTMENTAL PERSONNEL

During 2020-21, disciplinary actions were recommended against 59 personnels.

Table 12- Disciplinary action against departmental personnel given below.

Sl. No.	Designation	No of officers
1	Divisional Forest Officer,	2
2	Section Forest Officer,	10
3	Range Forest Officers,	15
4	Deputy Range Forest Officer	6
5	Beat Forest Officer	15
6	Senior Clerk	5
7	Clerks	3
8	Watcher	1
9	Reserve Forest Watcher	1
10	Depot Watcher	1
	Total	59

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 2020-21 is Rs. 269.46 crore. The plan scheme implemented during 2020-21 by the department are as follows.

Table 13- Plan Schemes of the Department during 2020-21 (Amount in lakhs)

A	STATE SECTOR SCHEME	Outlay
I	Management of Natural Forests: 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.	
1	Forest Protection(2406-01-101-81)	2500
2	Forest Protection (Survey of Forest Boundaries & Forest Protection) (4406-01-101-99)(01)	3200
3	Regeneration of Denuded Forest (2406-01-101-94)	275

A	STATE SECTOR SCHEME	Outlay
4	Non-wood Forest Produce Including Promotion of Medicinal Plants (2406-01-101-80)	190
II	Improving Productivity of Plantations: 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)	650
2	Industrial Raw Materials (4406-01-105-87) (02)	240
III	Infrastructure Development: 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)	600
2	Building (4406-01-070-97)	600
IV	Eco-Tourism (4406-01-800-91)	800
V	Human Resource Development (2406-01-003-97)	350
VI	Resource Planning & Research (2406-01-004-92)	150
VII	Forest Management Information System & GIS (2406-01-800-57)	245
VIII	Extension Community Forestry & Agro Forestry (2406-01-800-55)	1600
IX	Eco Tourism - Project Green Grass (2406-01-800-52)	8
X	Works with assistance from RIDF (4406-01-800-90)	2609
XI	Measures to reduce Man Animal conflict (2406-01-800-56)	2400
XII	Zoological Park at Puthur, Thrissur (2406-02-110-48)	1400
XIII	Conservation of Bio diversity (2406-02-110-68)	1000
XIV	Eco Development Programme (2406-02-110-56)	375

B	SCHEMES HAVING 60:40 SHARES BETWEEN CENTRE AND STATE	Outlay
1	Integrated Development of Wildlife Habitats	
i	Management of Wildlife Sanctuary	
1	Neyyar Wildlife Sanctuary (2406-02-110-39) (01)	87.50
2	Wayanad Wildlife Sanctuary (2406-02-110-39) (02)	190.00
3	Idukki Wildlife Sanctuary (2406-02-110-39) (03)	95.00
4	Peechi - Vazhani Wildlife Sanctuary 2406-01-110-39(04)	100.00
5	Peppara Wildlife Sanctuary (2406-02-110-39) (05)	80.00
6	Shendurney Wildlife Sanctuary (2406-02-110-39) (06)	100.00
7	Chimmony Wildlife Sanctuary (2406-02-110-39) (07)	85.00
8	Aralam Wildlife Sanctuary (2406-02-110-39) (08)	86.00
9	Chinnar Wildlife Sanctuary (2406-02-110-39) (09)	64.00
10	Thattekkad Birds Sanctuary (2406-02-110-39) (10)	55.00
11	Mangalavanam Birds Sanctuary (2406-02-110-39) (11)	17.72
12	Kurinjimala Sanctuary (2406-02-110-39) (12)	20.00
13	Choolannur Peacock Sanctuary (2406-02-110-39) (13)	15.00
14	Malabar Sanctuary (2406-02-110-39) (14)	40.00
15	Kottiyoor Wildlife Sanctuary (2406-02-110-39) (15)	45.00
ii	Management of National parks	
1	Eravikulam National Park (2406-02-110-38) (01)	130.00
2	Silent Valley National Park (2406-02-110-38) (02)	170.00
3	Anamudi National Park (2406-02-110-38) (03)	35.00
4	Mathikettanmala National Park (2406-02-110-38) (04)	35.00
5	Pampadumshola National Park (2406-02-110-38) (05)	45.00
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) Kadalundi Reserve	17.50
iv	Project Tiger (60:40 between Centre and State)	
1	Periyar Tiger Reserve (2406-02-110-36) (01)	772.28
2	Parambikulam Tiger Reserve (2406-02-110-36) (02)	632.40

B	SCHEMES HAVING 60:40 SHARES BETWEEN CENTRE AND STATE	Outlay
v	Project Elephant (60:40 between Central and State)	
1	Project Elephant (2406-02-110-35)	1000.00
2	Project Elephant SCSP(2406-02-789-99)	117.60
3	Project Elephant TSP(2406-02-796-99)	20.00
VI	<p>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</p> <p>(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.</p>	
i	National Afforestation Programme - National Mission for Green India (60:40 between Centre and State) (2406-01-102-86) General component	1450.68
ii	National Afforestation Programme - National Mission for Green India (60:40 between Centre and State) (2406-01-789-99) SCP component	69.06
iii	National Afforestation Programme - National Mission for Green India (60:40 between Centre and State) (2406-01-796-99) TSP component	32.63
iv	Forest Fire Prevention & Management Scheme (FPMS) (2406-01-800-53)(FPMS)**	400.00
3	<p>Conservation of Natural Resources & Ecosystems: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.</p>	
i	Nilgiri Biosphere Reserve (2406-02-110-34)	250.00
ii	Agasthyamala Biosphere Reserve (2406-02-110-33)	300.00
iii	Wetland Conservation (2406-02-110-32)	424.00
iv	Integrated Development of Wildlife Habitats to Wayanad Wildlife Sanctuary for Voluntary Relocation of Settlements from Protected Areas (2406-02-110-31)	1.00
v	Integrated Development of Wildlife Habitats-Protection of wildlife outside Protected Areas (2406-02-110-52)	771.77

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 2020-21, 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 14- 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 Forest Fire Prevention and Management Scheme (FPMS)

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 FPMS scheme for a total cost of 400 lakhs. An amount of 240 lakhs was sanctioned as Central share during 2020-21 and the corresponding State share came to 160 lakhs. The expenditure incurred was 326.72 lakhs.

4.1.4 Improving Productivity of Plantations

The Department is having around 1,56204.017 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 15- Plantations raised during 2020-21

Scheme	New Areas (Ha)	Maintenance of Plantations (Ha)	Eco Restoration of Plantations (Ha)
Hardwood Species	112.14	314.3	56.83
Industrial Raw Materials	50	42	10
Non-wood Forest Species	20	78	5.33
Regeneration of Denuded forest	83	168.91	7

Table 16 - Forest Area according to utilization as on 31.03.2021

Sl No.	Mode of Utilisation	Area(km2)	% total
1	Dense Forests/Degraded Forest	9063.850	78.65
2	Plantation	1562.04	13.55
3	Area under lease	514.90	4.47
4	Forest land diverted under FC Act, 1980	384.123	3.33
Total		11524.913	

Table 17 - Species wise extent of Plantation Area as on 31.03.2021

Sl No.	Species	Area (ha)	Sl No.	Species	Area (ha)
1	Teak	76776.696	9	Mahogany	527.102
2	Teak and Softwood	13455.93	10	Sandalwood	358.88
3	Acacia mangium	2820.755	11	Other Hardwood	1074.364
4	Acacia auriculiforms	7728.068	12	Reeds	573.35
5	Eucalyptus	6821.03	13	Pepper	103.94
6	Cane	3435.03	14	Medicinal Plants	3181.039
7	Bamboo	5231.992	15	Silver Oak (Grevillea robusta)	649.85
8	Rosewood	375.056	16	Pine	546.4

Sl No.	Species	Area (ha)	Sl No.	Species	Area (ha)
17	Rubber	42.1	27	Alnus	74.35
18	Albizzia	202.29	28	Sesbania	21.07
19	Anjili	589.609	29	Casuarina	118.87
20	Kambakam	245.16	30	Mangroves	371.068
21	Elavu	303.51	31	Fruit bearing	305.543
22	Balsa	21.04	32	Miscellaneous	22318.522
23	Wattle	2122.57	33	Tea	1.902
24	Matti	436.31	34	Venteak	23.064
25	Cashew	4397.164	35	Vengai	21.446
26	Agave	9.64	36	Others	919.334
Total					156204.017

Table 18 - Outturn of Timber as on 31.3.2021.

Sl No.	Species	Unit	Production
1	Acacia mangium	MT	13.18
2	Acacia auriculiforms	MT	82.585
3	Akil / Vellakil	M ³	22.883
4	Ambazham	M ³	19.069
5	Anjily	M ³	266.039
6	Bamboo	MT	60.668
7	Billets	MT	807.548
8	Chandanavembu/Redcedar	M ³	58.379

Sl No.	Species	Unit	Production
9	Cheeni	M ³	40.671
10	Chorakkali	M ³	26.453
11	Elavu/Poola	M ³	278.684
12	Eucalyptus	MT	7.773
13	Fire wood	MT	3437.941
14	Irul	M ³	961.691
15	Jack/Plavu	M ³	30.739
16	Kambakom	M ³	15.165
17	Kanjiram	M ³	3.326
18	Karimthakara	M ³	15.687
19	Karingazha	M ³	6.344
20	Karuva	M ³	7.879
21	Kulamavu/Ooravu	M ³	62.014
22	Kumbil	M ³	4.899
23	Kunnivaka	M ³	8.65
24	Kurangagatti	M ³	58.317
25	Mahagony	M ³	2993.405
26	Malaveppu	M ³	12.373
27	Manimaruthu	M ³	31.987
28	Manjakadambu	M ³	13.86
29	Maruthu	M ³	1227.921
30	Matti	M ³	38.713

Sl No.	Species	Unit	Production
31	Mavu	M ³	14.427
32	Mazhamaram	M ³	3.648
33	Mullankaini	M ³	0.4
34	Mulluvangai	M ³	171.173
35	Njaval	M ³	78.294
36	Pala/Mukkampala	M ³	74.072
37	Pali	M ³	24.984
38	Pathiri	M ³	9.046
39	Poochakadambu	M ³	1.91
40	Poon/Punna/Punnappa	M ³	72.995
41	Poovam	M ³	37.054
42	Reeds	MT	918.94
43	Rosewood	M ³	64.049
44	Sandal wood	Kg	77872.696
45	Silver Oak	M ³	33.207
46	Teak	M ³	11853.431
47	Teak poles	MT	1748.445
48	Thanni	M ³	250.56
49	Thembavu	M ³	47.899
50	Unnam/Chadachi	M ³	284.232
51	Uthi	M ³	18.496
52	Vaka	M ³	13.792

Sl No.	Species	Unit	Production
53	Vatta	M ³	151.677
54	Vediplavu	M ³	9.587
55	Vellapine	M ³	4.656
56	Vengai	M ³	26.547
57	Venteak	M ³	314.932
58	Vetti	M ³	5.33

Table 19 - Non-Wood Forest Produce (NWFP) as on 31.3.2021

Sl No.	Item	Quantity Procured (kg)
1	Adalodakam Pacha	25677.00
2	Athithippali	9435.00
3	Broom Grass	17605.00
4	Cheenikka	110146.00
5	Cheevakkai	100.00
6	Chenchelyam	160.00
7	Cheruthekku	419.00
8	Cheruvazhuthana	45957.00
9	Cheruthen	79.20
10	Chittaratha	116.00
11	Chunda Pacha	107683.00
12	Derpha Pullu	80.20
13	Garudakodi	6.40
14	Inchi	147.00
15	Kakkumkai/Paranthakkai	1486.30
16	Kalpasam	928.00

Sl No.	Item	Quantity Procured (kg)
17	Karimkuringi	96250.70
18	Kasturimanjal	558.50
19	Kattmulaginhand	7357.00
20	Kattukurumulaku Valli 1st	1374.00
21	Kattukurumulaku Valli 2nd	270.90
22	Kattu padavalam	6447.00
23	Koduvalli	1100.00
24	Kolinchi	113.00
25	Koovalam	775.00
26	Koppuvella	110.00
27	Kudampuli	320.00
28	Kumil	1862.00
29	Kunthirikkam -1st	1931.45
30	Kunthirikkam -2nd	352.15
31	Kunthirikkam -3rd	797.25
32	Kurumthotti Vella	15251.00
33	Kurumthotti (Pacha)	121596.00
34	Manjavally	276.05
35	Moovila	15253.00
36	Moovila (Pacha)	7000.00
37	Nannari/Naruneendi	3284.00
38	Orila Dry	6530.00
39	Orila Pacha	36516.00
40	Orila Dry (Red)	2414.00
41	PachottiPatta	4854.30

Sl No.	Item	Quantity Procured (kg)
42	Padakizhangu	462.14
43	Pathiripoovu - 1st	612.15
44	Pathiripoovu -2nd	61.00
45	Pattincha/Incha	1398.00
46	Peenari	3070.00
47	Pollakkuru	218.00
48	Ponkurandi	1721.00
49	Putharichundai	2136.00
50	Soapinkai	71.00
51	Thelli	722.00
52	Thelli 2nd	1369.65
53	Vanthen	26036.50
54	Vianapoovu	100.00
55	Wax (Bee Wax)	226.00
Total		690821.84

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 356 recruitments were made under various cadres including compassionate appointments. 157 persons retired during the current year. During the year disciplinary proceedings were initiated against 59 personnel in the department. Table wise details are included in Chapter 3.

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/ Forest dated 17.06.11, the Government allowed to shoot the wild boars causing damage to crops on experimental basis for a period of one year subject to certain conditions. Thereafter the Government comprehensively amended conditions and procedure prescribed in the above order. Later as per the recommendation of Chief Wildlife Warden dated 03/01/20 new amendment has been made to the

above order vide GO (Rt) No 111/2020/F&WLD dated 18/05/2020 for a period of 6 months subject to new conditions and is extended for next 6 months vide GO (Rt) No 284/2020/F&WLD dated 18/11/2020. Thereafter the Government modified the procedures and ordered by allowing the farmers to kill problematic wild pig by any means except poisoning, using explosives or by electric shock vide GO (Rt) 05/2021/F&WLD dated 11/01/2021. Further it was modified by banning killing of wild pigs using snares within 2 Km from forest boundary vide GO (Rt) 25/2021/F&WLD dated 28/01/2021. A total number of 8017 incidents of human-animal conflicts were reported in Kerala during 2020-21.

Table 20 - Human-Animal Conflicts during 2020-21

No of incidents	Snake	Elephant	Wild Boar	Tiger	Wild Gaur	Leopard	Others	Total
Human Death	52	27	8	1	0	0	0	88
Human Injured	767	34	146	0	2	0	39	988
Cattle Death	27	1	3	141	0	164	64	400
Crop Damage and Property Loss	0	2945	1898	23	58	7	1610	6541
Total	846	3007	2055	165	60	171	1713	8017

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 31.03.2021 are as given below.

Table 21-Preventive Structures Constructed to Mitigate Human-Wildlife Conflict as on 31-03-2021

Name of Circles	Solar Power Fencing (km)	Elephant Proof trench (km)	Elephant Proof Wall (km)	Stone Pitched Trench (km)	Kayyala (km)	Others (km)
Northern	188.35	7.00	10.13	0.00	5.12	0.50
Eastern	25.89	0.85	0.27	0.00	0.00	0.00
Central	45.00	3.47	0.00	0.00	0.00	0.00
HRC	22.70	0.85	0.00	0.00	0.00	0.00
Southern	127.05	9.104	1.407	0.00	0.50	0.00

Name of Circles	Solar Power Fencing (km)	Elephant Proof trench (km)	Elephant Proof Wall (km)	Stone Pitched Trench (km)	Kayyala (km)	Others (km)
WL Palakkad	7.80	0.00	0.00	0.085	0.00	0.128
FDPT	18.79	2.00	0.00	0.00	0.00	0.00
ABP	2.00	0.00	0.00	0.00	0.00	0.00
Total	437.58	23.274	11.807	0.085	5.62	0.628

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 2020-21, an amount of 1044.82 lakhs was distributed to the victims.

Table 22 - Compensation paid to victims of attack by Wild Animals during 2020-21

Item	No. of Applicants	Amount paid (Rs)
Human death	97	27050000
Human Injured	977	25927248
Cattle Loss	380	5379812
Crop damage and property loss	6697	46124763
Grand Total	8151	104481823



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.

• 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 23 - Estimated Tiger Population in Kerala

Year	Population
2010	71
2014	136
2018	190

• Elephant Population Estimation

In Kerala, All India Synchronized Elephant Population Estimation was carried out during 2017 with the active participation and involvement of Periyar and Parambikulam Tiger Conservation Foundation and Kerala Forest Research Institute. The estimated number of elephants in Kerala during 2017 is 5706 which is pending for approval from MoEF. The density was estimated to be 0.59/km².

• 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 24- Estimated Population of Nilgiri Tahr for the Last Ten Years

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
831	789	873	894	900	664	575	643	526	723

4.3.4 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 behavior 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 25 - List of Elephant Corridors

Details of Elephant Corridors						
Sl No	Name of the corridor	Division under which the corridor falls	Corridor		Habitations in Corridor	Villages Dependent on Corridors
			Length in km	Width in km		
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 acquired
3	Nilambur - Appankappu	Nilambur North & South Divisions	0.4	0.5	Not notified	Land acquired
4	Periya at Pakranthalam	Wayanad (N)	0.5	0.2	Not notified	Land to be acquired
5	Thirunelli-Kudrakote	Wayanad (N)	6	1 to 1.5	Yes	Land acquired
6	Nilambur Kovilakam- New Amarambalam	Nilambur North & South Divisions	1	0.5	Not notified	Land acquired
7	Mudumalai - Nilambur via O' Valley (Ouchterlony Valley)	Nilambur North Forest Division and Mudumalai Tiger Reserve (TN)	35	0.1	Not notified	Land acquired

4.3.5 Rescue of Wild Animals

During the year 2020-21, 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.

4.3.6 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 15 such teams who work round the clock to tackle the issues.

Table 26 - Details of 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	8547600749	04752270100
Ranni	Ranni	Ranni	Dy.RFORanni	8547600927	
Tvm- Vithura	Pepara	Tvm	RO-Paruthipally	8547600954	0472- 2854022
Munnar	Devikulam	Munnar Division	RFO, Munnar	8547601351	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)	6282101501	04994225072
Peerumedu	Peerumedu	Peerumedu	RFO, Azhutha	8547603140	04869233710
SultanBathery	Kuppady	Wayanad Wildlife Division	RFO, elephant Squad & RRT Range, Wayanad Wildlife Division	8547603563	04936223500
Kalpetta	Meppadi	Wayanad	RFO Kalpetta	8547603486	
Attapadi	Agaly	Attapadi	RFO Attapadi		
Chalakkudy	Mlayattoor	Mlayattoor	RFO Pariyaram		

4.3.7 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 382 eligible families and Rs: 6.00 lakh each for 6 families and hitherto a fund of Rs.37.96 crore has been utilized. The translocation procedure is under progress in one settlement.

4.3.8 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 27 - Number of Captive Elephants during 2020-21

No. of elephants implanted with microchip		No. of elephants not implanted with microchip		No. of elephants dead during 2020-21	
Private owned	Dept. owned	Private owned	Dept. owned	Private owned	Dept. owned
437	29	Nil	4	19	1

New Schemes / Projects Launched

- ▶ The first phase of the implementation of the project sanctioned under Rebuild Kerala Initiative for Voluntary Relocation of non tribal private settlement from forests namely Rosemala and Kattilappara in Shendurney Wildlife Sanctuary has started on 29.12.2020.
- ▶ **Guidelines for the Rescue and Release of Snakes from Human Dominated areas by Certified Snake Handlers**

The guidelines are intended to streamline and bringing more accountability in the process of rescue of snakes in human dominated areas and release them into natural habitat.

Objectives

1. To create a network of trained and certified snake handlers throughout the State.
2. To ensure rescue and release of snakes in a safe and scientific manner.
3. To keep track of incidents of rescue and release of snakes in the State and to maintain data base for the same.
4. To prevent any illegalities or malpractices that may occur during snake rescue.

The Department has organized a series of trainings for the staff and watchers of Kerala Forest Department in two phases. The first phase of training was conducted at 17 different locations and a total of 539 participants were attended and in the second phase, a total of 614 participants were attended.

Kerala Forest Department have introduced the mobile application 'SARPA', representing snake awareness, rescue and protection application for monitoring all associated activities related to rescue and release of snakes.

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 31st March 2021 a total of 427 VSSs and 213 EDCs are functional in the State. There are 50 FDAs in the State as on 31st March 2021.

4.4.1 IMPLEMENTATION OF 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 Grama Sabhas, 14 Sub Divisional Level Committees and 12 District Level Committees.

Sub Division Level Committee

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

• Division Level Committee(DLC)

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

• State Level Committee(SLC)

Chief Secretary	- Chairman
Secretary, SCSTDD	- Member
Secretary, F&WLD	- Member
Secretary, LSGD	- Member
Secretary, Revenue Dept	- Member
Principal CCF	- Member
Director, 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 31.03.2021, out of 27698 eligible individual claims passed by the District Level Committee (DLC), 26600 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 31.03.2021, out of 383 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 31.03.2021, out of 657 claims have been passed by the Forest Department, 503 Development Rights have been issued for an area of 187.38 acres.

4.4.2 Forest Department has implemented the following projects/schemes under Eco-Development & Tribal Welfare during 2020-21

- **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, SFDA had received Rs. 1552.37 lakh under Green India Mission (60:40 CSS) and the same has been distributed to the implementing FDAs vide proceedings order No.E&TW1-1196/2010 dated 26-08-2020 and 19-03-2021. The APO for 2021-22 under GIM is being prepared for submission to the Government of India. Out of the total target of 8193.556 ha, an area of 3250.28 ha has been treated and out of the targeted 7536 numbers of alternative fuel energy systems, 96 numbers have been distributed to the forest department communities and utilized Rs.197.31 lakh for the same under GIM during the year 2020-21

- **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.799.309 lakhs was expended during 2020-21 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&WL 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 2020-21 the current financial year the policy was renewed on 26/09/2020 for a period of one year up to 25/09/2021 for a premium amount of Rs 15.56 lakh. A total of 29 numbers of applications/claims were raised under the scheme. Now the insurance scheme is renamed as PFM Insurance

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. As per the directions issued by the Government due to the spread of Covid-19 pandemic in the State, all the ecotourism sites were closed during 2020-21 and hence no service charges could be collected from the ecotourism sites during the year.

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 65 Vanasree Eco-Shops in the State under 35 FDAs which includes 2 mobile units. During 2020-21 the sales revenue from 65Vanasree Eco-Shops(including 2 mobiles units)was to the tune of Rs 77.23 lakh.

Table 28- Division wise Location of Vanasree Eco-shop

Sl. No.	Name of Division	Name of Vanasree Unit	Sl. No.	Name of Division	Name of Vanasree Unit
1	Achencoil	Achenkovil	30	Palakkad	Ananganmala
2	Alappuzha Social Forestry	Kommadi	31	Parambikulam	Anappady
3	Chalakkudy	Chalakkudy	32	Parambikulam	Parambikulam
4	Idukki	Thattekkad	33	Parambikulam	Anappady Checkpost
5	Idukki	Vellappara	34	Peechi	Peechi
6	Kannur	Nedumpoyil	35	Peechi	Chimmony
7	Kasargod	Ranipuram	36	Periyar (West)	Uppupara
8	Konni	Konni	37	Periyar (West)	Neelimala
9	Kozhikode	Tusharagiri	38	Periyar (West)	Marakootam
10	Kozhikode	Kakkayam	39	Periyar (West)	Pampa
11	Kothamangalam	Thommankuthu	40	Periyar (East)	Pugmark Shop, Boat landing
12	Malayattoor	Kodanad	41	Periyar (East)	Information Centre Outlet
13	Malayattoor	Mobile Vanasree Unit	42	Periyar (East)	Bamboo Grove Outlet
14	Malayattoor	Mulankuzhy	43	Periyar (East)	Vallakadavu Checkpost Outlet
15	Malayattoor	Paniely Poru	44	Punalur	Ayur
16	Malayattoor	Malayattoor	45	Punalur	Pathanapuram
17	Marayoor	Marayoor	46	Ranni	Angamuzhy
18	Marayoor	Anakottappara - Kanthalloor	47	Ranni	Pamba
19	Munnar Wildlife	5thMile	48	Shenduruny	Shendurune FIC
20	Munnar Wildlife	Karimutty	49	Shendurune	Rossmala
21	Munnar Wildlife	Tahr No.1	50	Silent Valley National Park	Mukkali
22	Munnar Wildlife	Pambadum shola	51	Silent Valley	Mukkali town
23	Munnar Wildlife	Lakkam	52	Silent Valley	Silent Valley
24	Nagarampara	Pulluppara	53	South Wayanad	Thariyodu 8th mile
25	Nilambur North	Aruvakode	54	Thenmala	Palaruvi
26	Nilambur South	Nedumgayam (Manjeri)	55	Thiruvananthapuram	Forest Headquarters Thiruvananthapuram
27	North Wayanad	Mananthavady	56	Thiruvananthapuram	Mobile Vanasree Unit
28	North Wayanad	Thirunelly			
29	Palakkad	Malampuzha snake park			

Sl. No.	Name of Division	Name of Vanasree Unit	Sl. No.	Name of Division	Name of Vanasree Unit
57	Thiruvananthapuram	Kallar	64	Wildlife Division Thiruvananthapuram (Neyyar- Peppara)	Kottoor
58	Thiruvananthapuram	Ponmudi			
59	Vazhachal	Athirappally			
60	Vazhachal	Vazhachal			
61	Wayanad Wildlife	Muthanga	65	Wildlife Division Thiruvananthapuram (Neyyar- Peppara)	Peppara
62	Wayanad Wildlife	Tholpetty			
63	Wildlife Division Thiruvananthapuram (Neyyar- Peppara)	Neyyar			

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 Production (MFP). During the year Rs.556.56 lakh has been released to 36 implementing FDAs under the project. 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. The main components of the project are (i) creation of facilities for storage MFPs (ii) establishment and modernization of HAAT bazaars (iii) revolving fund for procurement of honey.

4.4.7 Prime Minister's Van Dhan Vikas Kendras (New Scheme)

During 2020-21 the TRIFED has sanctioned another project under Prime Minister's Van Dhan Vikas Kendras. The District Collector, Wayanad has initiated a proposal to the Ministry of Tribal affairs for the retail marketing and value addition plan for MFP through Nodal Agency (SFDA). The proposal was approved for an amount of Rs.195 lakh for opening 13 Van Dhan Vikas Kendras (VDVK). The proposal for 15 additional VDVKS has been submitted to TRIFED.

4.4.8 KIIFB Project

A project named 'Fencing around Forest Boundaries' was approved by the State Government under KIIFB for an amount of Rs.110.01 crores and the State Forest Development Agency (SFDA), Kerala was designated as Special Purpose Vehicle (SPV) for implementation. The project taking considerable measures to prevent the entry of wild animals to the human habitations by erecting solar power fences, elephant proof walls, crash guard steel rope fencing, rail fencing and voluntary

relocation of willing eligible non tribal families from the forests to convenient places as they choose. The progress of works under Phase-I & II are provided below.

- ▶ Relocated 10 willing eligible families of Channamala Private Settlement in Thiruvananthapuram Forest Division and released the package amount of Rs.150.00 lakh (Rs.15.00 lakh per eligible family) released by KIIFB.
- ▶ Rail fencing in Wayand Wildlife Division is completed for a distance of 10 km.
- ▶ Solar fencing for 13 km and elephant proof wall in 0.28 km is completed in Palakkad Forest Division.

One of the long-term measures for avoiding human-wildlife conflict is the relocation of affected settlements. The KIIFB project provides relocation of 438 willing eligible families with a cost of Rs.6570 lakh. The land so provided with the relocation will be converted to natural forests in due course of time.

Achievements during 2020-21

- ▶ 13 Van Dhan Vikas Kendras were constituted under Pradhan Mandhris Van Dhan Vikas Yojna (TRIFED aided project) in Wayand district under the administrative control of the District Collector, Wayand.
- ▶ SFDA is facilitating carrying capacity studies in selected ecotourism sites on priority basis. So far, carrying capacity studies in eight sites viz., Periyar Tiger Reserve, Eravikulam National Park, Shola National Park, Chinnar Wildlife Sanctuary, Pakkam-Kuruva, Banasuramala-Meenmutty, Chembra Peak and Soolichippara have been completed. The studies in the remaining ten prioritized sites have been entrusted to IFGTB, Coimbatore.
- ▶ Forest Fire Crisis Management Plan (2020-21) for prevention and control of forest fires in the state has been prepared and activities initiated.

4.5 ECOLOGICALLY FRAGILE LAND (EFL) WING

As on 31.03.2021, the State has 135.812 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 1097 valid applications received under Section 10 (A), 1035 were settled and of 313 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.

Table 29 - Details of cases pending before four tribunals

Sl. No.	Name of Tribunal	Number of cases
1	Kollam	1
2	Kottayam	7
3	Palakkad	63
4	Kozhikode	47
Total		118

4.6 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.

The major activities taken up in the department during 2020-21 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. As part of boundary consolidation to prevent encroachment, forest boundary has been consolidated by constructing 16993 permanent cairns during 2020-21.

4.6.1 Forest Land Lease

Details of forest land leased out to various agencies on long term agreement as on 31.03.2021 are as follows.

Table 30 - Forest Land Leased out to various Agencies

Sl No.	Division	Extent of land leased out (Ha.)	Sl No.	Division	Extent of land leased out (Ha.)
1	Thiruvananthapuram	2433.729	17	Palakkad	326.540
2	Thenmala	67.868	18	Mannarkkad	515.471
3	Punalur	10550.058	19	Nilambur (North)	480.5532
4	Achenkovil	791.010	20	Kozhikkode	1337.380
5	Ranni	4892.241	21	Wayanad (South)	70.045
6	Konni	2886.891	22	Wayanad (North)	105.920
7	Kottayam	6629.463	23	Kannur	6.718
8	Munnar	2376.121	24	Kasaragod	1522.910
9	Kothamangalam	314.288	25	Periyar (W) Peerumedu	24.288
10	Marayoor	0.00	26	Periyar (E) Thekkady	11.440
11	Mankulam	146.840	27	Wildlife Peechi	1373.962
12	Malayattoor	4215.543	28	Parambikulam	2455.228
13	Vazhachal	2278.744	29	Wildlife Wayanad	321.792
14	Chalakkudy	207.261	30	NSC Kalady	9.186
15	Thrissur	1195.647		Total	51490.766
16	Nenmara	3943.630			

4.6.2 Encroachment

The extent of encroachment to be evicted from forest land was estimated during the year and was confirmed as 5024.535Ha.

Table 31 - Encroachment of Forest Land as on 30.03.2021

Circle	District	Division	Extent of encroachment to be evicted (Ha.)
Southern Circle, Kollam	Pathanamthitta	Konni	10.5898
		Ranni	1.7404
	Kollam	Thenmala	1.68
	Thiruvananthapuram	Thiruvananthapuram	0.59202
	Total		14.60222
High Range Circle, Kottayam	Ernakulam	Kothamangalam	434.0366
	Kottayam	Kottayam	105.8837
	Idukki	Munnar	1099.6538
		Marayoor	0.03
		Mankulam	358.4255
Total		1998.0296	
Central Circle, Thrissur	Thrissur	Thrissur	191.6903
		Chalakkudy	0.2644
	Ernakulam	Malayattoor	127.6550
	Total		319.6097
Eastern Circle, Palakkad	Malappuram	Nilambur North	657.8708
		Nilambur South	2.12
	Palakkad	Palakkad	37.685
		Mannarkkad	664.2797
		Neemara	237.6512
Total		1599.6067	
Northern Circle, Kannur	Kozhikode	Kozhikode	63.679
	Wayanad	Wayanad South	717.63
		Wayanad North	230.5123
	Kannur	Kannur	50.657
		Kasargod	22.67
		Kozhikode (Timber sale)	0.5165
Total		1085.6648	

Circle	District	Division	Extent of encroachment to be evicted (Ha.)
Field Director, Kottayam		Periyar East Division, Thekkady	4.388
	Total		4.388
Wildlife Circle, Palakkad	Kannur	Aralam WLD	2.00
	Wayanad	Wayanad WLD	0.634
	Total		2.634
Total			5024.535

4.7 INFORMATION TECHNOLOGY (IT) WING

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.

4.7.1 Major Achievements

- Computerization of Offices in KFD up to 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.

Achievements during 2020-21

- Centralized procurement of Computers and Peripherals – Procured 8 Nos. of Desktop Computers, 25 Nos. of Multi Function Printers, 2 Nos. of LCD projectors, 40 Nos. of GPS devices and 4 Nos. of Laser printer
- Procurement of Digital Wireless Equipments 18-Base sets, 24-Mobile set, 8-Walkie talkies, 1-Digital repeater.
- Annual Maintenance Contract was awarded for 280 personal computers and 45 Nos. of Online UPS.

4.8 HUMAN RESOURCE DEVELOPMENT (HRD) WING

In-service training programmes for various categories of staff and officers working in the Forest Department are organized 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 utilizing 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 2020-21, 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. 142 Beat Forest Officers, 22 Forest Drivers had attended the above training. Apart from these 121 Beat Forest Officers had undergone KEPA Training & 12 Tribal Watchers of Parambikulam Tiger Reserve were undergone training on Snake Rescue and handling Technique. In addition to the above training 43 ministerial staffs of the department were imparted training on E-tendering, office procedures and administration at FTC, Thiruvananthapuram.

4.8.1 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/Depot Officers
- Beat Forest Officers
- Senior / Junior Superintendents /Head Accountant

- Personal Assistants / Confidential Assistants
- Clerk/Senior Clerk
- Drivers

4.8.2 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, Arippa.

4.8.3 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 2020-21.

During the year, 410 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 32 -Participants in the various Training Programmes

Sl. No.	Institute	No. of Participants
I	SFTI Arippa	119
II	SFTI Walayar	108
III	FTC, Thiruvananthapuram	43
IV	KEPA, Thrissur	121
Sub Total		391
Training attended in Institutions Outside Kerala		
I	EEL, Hyderabad	6
II	CASFOS, Coimbatore	5
III	CASFOS, Dehradun	8
Sub Total		19
Grand Total		410

4.9 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.

4.9.1 Haritha Keralam 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 58.60 lakh of valuable seedlings have been distributed as well as planting by the department for commemorating World Environment Day and Vanamaholsavam celebrations. So far, XII phases of Haritha Keralam Scheme have been implemented, and the distribution of seedlings to various agencies during these phases is given below.

Table 33 - Distribution of Seedlings during 2020-21

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
12	Phase – XII (2020-21)	58.60

4.9.2 Production of seedlings for Haritha Keralam Padhathi (Phase–XIII)

It was decided to implement the Phase– XIII programme of Haritha Keralam Scheme during 2020-21. For this purpose, about 46.62 lakhs seedlings were raised during 2020-21 for distribution to public and for departmental planting during the planting season of 2021-22.

4.9.3 Institutional/Avenue Planting Programmes

This programme envisages planting of seedlings of more than one year old age on the sides of important roads/ institutions/avenues in Kerala. During 2020-21 about 1.90 lakhs seedlings were planted.

4.9.4 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, anjili, 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 34 - Amount of Incentives.

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

50% of the incentives will be given at the end of 1st year and the remaining 50% will be given at the end of the 3rd year. The scheme also provides cash awards for the best three performers in each of the above said slab at the end of 5th and 10th year. An amount of Rs.4,09,610 expended during 2020-21.

4.9.5 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 2020-21, the State Level Steering Committee was held on 19.10.2021 and has approved the Management Action Plans (MAPs) for 2020-21. The MAPs for Conservation and Management of Vembanad and Kannur regions have been prepared with a projected cost of RS. 216.80 lakh and Rs. 251.20 lakh and the same has been submitted to MoEF & CC, Gol for approval. But no funds released during 2020-21.

4.9.6 Biodiversity conservation works done outside Reserve Forests

- Protection and Conservation of Sacredgroves

Government vide G.O (Rt) no. 485/16/F7 WLD dated 24.12.2016, the Assistant Conservator of Forests (SF) concerned will shortlist 5 applicants in each district and are placed before a State Level Experts Committee. An agreement will be signed between the owner/trust of sacred groves and the Assistant Conservator of Forests concerned, on producing relevant documents to prove the ownership of the sacred groves. The SLEC meeting held on 29.12.2020 selected 61 applications for financial support during 2020-21.

- 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 2020-21.

4.9.7 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 14 nominations were selected during 2020-21 and awards were distributed @Rs.25000/-each.

New Schemes / Projects Launched

a) Vidhyavanam & Forestry Club

Kerala Forest Department had introduced the concept of 'Forestry Clubs' in the Schools during early 1980s. It is felt that the functioning of these Forestry Clubs needs to be revived along with establishing new Clubs wherever they are not formed till now. In this view, Forest Department has recently initiated a programme to revive and expand the activities of Forestry Clubs in Kerala through "Mission Forestry Clubs".

The specific objectives of the programme shall be:

- 1) To create miniature forest patches in the school/ college premises so as to enable the students to feel and experience forests.
- 2) To provide hands-on experience to the students on various aspects of raising forests.
- 3) To enhance green areas in the school / college premises to reduce the ill-effects of urbanization and climate change.
- 4) To demonstrate to the students about native and indigenous species, biodiversity value and ecosystem services.
- 5) To impart education and awareness to the students on the role of forests in mitigating climate change and clean environment.
- 6) To increase the aesthetic value of school/ college premises.

Table 35- List of Vidhyavanam sites

Sl. No	Social Forestry Division	Name of School
1	Thiruvananthapuram	Govt. BPM Model School, Perathil, Varkala
2	Kollam	Girls High School, Sankaramangalam, Chavara
3	Pathanamthitta	Govt. Boys Higher Secondary School, Adoor
4	Alappuzha	S. N. Trust Higher Secondary School, Chengannoor
5	Kottayam	Jawahar Navodaya Vidhyalaya, Vadavathur
6	Ernakulam	1. St. Mary's High School, Krariyeli
		2. MT LPS, Krariyeli
		3. Govt. UPS, Kombanad
		4. SRVHSS, Ernakulam

Sl. No	Social Forestry Division	Name of School
7	Idukki	1. Chottupara Govt. L.P School, Kumili
		2. Govt. Higher Secondary School, Kallar
		3. IHRD Technical Higher Secondary School, Muttom, Thodupuzha
		4. Higher Secondary School, Marayoor
8	Thrissur	1. Sree Ramakrishna Gurukula Vidya Mandir HSS, Puranattukara
		2. Dr. Palpu Memorial UP School, Chakkamparambu, Kottamuri
9	Palakkad	1. Devaki memorial Senior basic School, Kakkimoor
		2. Govt. Technical High School, Marutha Road, Palakkad
10	Malappuram	G.V.H.S.S, Pullankode, Nilambur
11	Wayanad	Jayasree Higher Secondary School, Kallyvayal, Pulpalli
12	Kozhikode	Nil
13	Kannur	Govt. High School, Thavidassery, Payyannoor
14	Kasargode	HHSIB, Swamijis HSS, Edneer
Total		21 Vidyavanam

b) District Permanent Nursery

The Concept of District Permanent Nursery is to produce seedlings of prescribed standards by following standard silvicultural practices, to raise seedlings of important/rare and endangered species and to spread awareness about tree species, their importance, environmental services offered by trees etc. The implementation process of District Permanent Nurseries has been started in Thiruvananthapuram, Pathanamthitta, Alappuzha, Kottayam, Palakkad, Wayanad, Kozhikode and Kasargode.

• 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 2238 annual subscribers. 'Aranyam' is now upgraded and equipped with multi colour pages.

- (i) During the year, the Bureau has printed and distributed Forest Guide 2021.
- (ii) As per the direction of the Government, the bureau has prepared photo album of Haritha Keralam & World Environmental Day.
- (iii) In view of the pandemic, Covid-19, no exhibitions were conducted. Other routine works of the Forestry Information Bureau like issuing press release, other publicity works, media coverage were carried out as usual. The Messages of Hon. Forest Minister, Head of Forest Force in

connection with Vanamaholsavam, International Day of Forestry, Forest Fire prevention, Wildlife week Celebration etc. were broadcasted through AIR and Ananthapuri FM Channels.

4.10 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 2020-21 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 is being processed at various levels.

Table 36- Forest Land Diverted under FCA 1980 during 2020-21

Sl. No	Purpose	Order No. and Date	Area (Ha)
Stage II			
1	Diversion of forest land for providing water supply scheme for Seethathode Panchayath and Nilakkal Plappally area	GO(Rt)No. 265/2020/F&WLD dtd 22.10.2020	0.2
2	Diversion of forest land for concreting Blavanakadavu Kunchippara road	GO(Rt)No.75/2021/ F&WLD dtd 02.03.2021	0.3625
3	Diversion of forest land for the construction of weir in the upstream of vertical rock of the loation and bring water through House at downstream in Anakkulam stream at Kozhiyilakuthu	GO(Rt)No. 69/2021/ F&WLD dtd 26.02.2021	0.998
4	Diversion of forest land for the installation of DMR Tier III. Project for Police.	GO(Rt)No. 94/2021/ F&WLD dtd 20.03.2021	0.0121
Total			1.5726
Stage I (In principle approval)			
1	Diversion of forest land for the construction of Hill Highway Cherupuzha to Kalichal	GO(Rt)No. 56/2021/ F&WLD dtd 20.02.2021	0.64148
2	Diversion of forest land for the installation of DMR Tier III Project for Police	GO(Rt)No. 99/2021/ F&WLD dtd 24.03.2021	0.0182
3	Diversion of forest land for laying underground cable for providing electricity to the Achenkovil area	GO(Rt)No. 54/2021/ F&WLD dtd 18.02.2021	0.35

Sl. No	Purpose	Order No. and Date	Area (Ha)
4	Diversion of forest land for laying optical Fibre cable and MH installation in Kottakamboor Kannan Devan Hill	GO(Rt)No. 240/2020/F&WLD dtd 08.10.2020	0.1463
5	Diversion of forest land for providing water supply scheme for Paingottoor Panchayath for constructing a water tank of water treatment plant in Kothamangalam Division	GO(Rt)No. 184/2020/F&WLD dtd 17.08.2020	0.2428
Total			1.39878

4.10.1 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 / Wildlife Wardens and Circle Chief Conservator of Forests are authorized as appeal authorities by the committee as per Kerala Forests (Regulation of Saw mill and other Wood Based Industries) Rules 2012 and Kerala Forest (Regulation of Sawmills and Other Wood-Based Industrial Units) Amendment Rules, 2015.

The receipt of One Time Payment amounts are the following

Fixed Deposit	21,04,895
Total	21,04,895

As per GO(P)No. 2/2021/F&WLD dated 12.02.2021, Kerala Forest (Regulation of Sawmills and Other Wood-Based Industrial Units) Rules, 2021 came in force from 12.02.2021. The matter of issuance of license is based on Kerala Forest (Regulation of Sawmills and Other Wood -Based Industrial Units) Rules, 2021. A period of 6 months from 12.02.2021 allowed as application period for the license of Industrial Units.

4.10.2 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 2014-15 & 2015-16, 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 800 lakhs, 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. An amount of Rs.13.86 crores has expended under the scheme. During 2020-21 an amount of Rs.15.79 crores has been approved and order issued by 7th National Executive Committee and Rs.10.88 crores expenditure incurred during the period.

Table 37- CAMPA- Target and Achievement up to 2020-21

Sl. No	Component/ Particular of the work	Financial target (Rs. In lakhs)	Expenditure as on 31.03.2021 (Rs. In lakhs)
I	Compensatory Afforestation Funds		
i	Compensatory Afforestation Works(Creation-Preparatory Works)	35.44	15.77
ii	Compensatory Afforestation Works (Maintenance)	22.81	9.92
II	Catchment Area Treatment Plan Fund Part		
i	River Bank Stabilization Raising and planting Bamboo, reed and other indigeneous seedlings along the river belt	12.5	20.79
ii	River Bank Stabilization Raising seedling	16.5	
III	Net Present Value of Forest Land Fund Part		
Part A- Activities under "Not less than 80%" of the NPVfund category)			
Eco Restoration of monoculture plantations to Natural Forests			
i	Eco Restoration activities in monoculture plantations by planting indigeneous/misc. species/preparatory works	373.35	186.34
Protection of Research Plots and Seed Production Areas			
ii	Protection of Research Plots and Seed Production Areas	51.34	49.47
Strengthening Forest Production and Anti-poaching Units			
iii	Organising Joint Patrolling and Raids along inter-divisional and inter-state forest boundaries	23.20	19.85
iv	Interior Campshed maintenance	44.50	37.61
v	Provision of field ration for interior camps	31.80	27.12
vi	Field survival kits and field equipments	14.25	15.55

Sl. No	Component/ Particular of the work	Financial target (Rs. In lakhs)	Expenditure as on 31.03.2021 (Rs. In lakhs)
Improvement of Wildlife habitat as prescribed in the approved			
vii	Maintenance of Vayal (marshy grasslands which are source of fodder for herbivores)	2.25	1.25
viii	Eradication of Exotic Weeds	40.50	23.97
ix	Habitat Enrichment in degraded areas	20.00	11.02
x	Bird survey and conservation	6.50	5.25
xi	Sea Turtle Conservation	3.00	4.20
Forest Fire Prevention and Control Operations			
xii	Engaging Fire Gangs through participatory forest management	193.97	237.12
xiii	Fire Awareness Campaigns	2.90	2.01
xiv	Fire Fighting Equipments	17.40	17.2
xv	Creation of fireline/ fire - break	68.00	80.22
Human Animal Conflict Mitigation			
xvi	Establishment, operation and maintenance of animal rescue centre, and veterinary treatment facilities for wild animals.	43.00	43.86
xvii	Man Mazdoor/Labour for Rescue and Rehabilitation of Wildlife	30.60	30.17
xviii	Purchase of Equipments/Ration for Rapid Response Teams (RRTs)	14.00	10.6
xix	Providing field infrastructure requirements for animal rescue and veterinary care facilities	3.00	3.58
xx	Engaging watchers to mitigate human animal conflict	113.90	131.80
xxi	Protective Gears for wildlife conflict mitigation staffs	3.00	3.14
Forest & Wildlife Protection			
xxii	Soil and Moisture Conservation, Gully Plugging etc.	2.50	16.88
Total: Part-A - Activities under "Not less than 80%" of the NPV fund category		1102.95	

Sl. No	Component/ Particular of the work	Financial target (Rs. In lakhs)	Expenditure as on 31.03.2021 (Rs. In lakhs)
(Part-B - Activities under "Not more than 20%" of the NPV fund category)			
Better connectivity (Maintenance of roads including bridges, roads, communications)			
i	Maintenance of forest roads	16.00	14.86
ii	Maintenance of trek paths/patrolling routes	64.00	48.03
Construction of Residential Buildings and other facilities for field staff			
iii	Construction of training facilities for trainees at Sate Forest Training Institute, Arippa (Phase-I)	200.00	0.1
Capacity Building			
iv	Awareness Program	10.00	7.68
v	Conducting Nature Camps to School and College children	8.40	2.86
vi	Monitoring & Evaluation	2.00	0
Total: Part-B - Activities under "Not more than 20%" of the NPV fund category		300.40	
Total Net Present Value of Forest Land Fund Part		1403.35	
IV	Interest - Fund Part		
(Part-A - Activities under "Not less than 60%" of the fund category)			
i	To offset the incremental cost of CA, penal CA, CAT plan, salary of CEO and staff etc.	39.60	7
Total: (Part-A - Activities under "Not less than 60%" of the fund category)		39.60	
(Part-B - Activities under "Not more than 40%" of the fund category)			
i	Computers, Printers and peripherals		
1	Procurement of Office stationary items	2.50	
2	Procurement of Laptops	3.00	
3	Procurement of Desktop computer system	2.10	1.5
4	Procurement of computer printers	1.60	0.74
5	Procurement of Photocopier	2.00	0.84
6	Procurement of Office Furniture	2.50	

Sl. No	Component/ Particular of the work	Financial target (Rs. In lakhs)	Expenditure as on 31.03.2021 (Rs. In lakhs)
ii	Hiring of staff car for the use of officers and staff of the State Authority	2.00	
iii	Purchase of patrolling/field vehicles	32.00	
iv	Preparation of Brochure, Booklet and publicity material	1.00	
Total: (Part-B - Activities under "Not more than 40%" of the fund category)		48.70	
Total Interest Fund Part		88.30	
Grand Total		1578.90	1088.34

4.11 VIGILANCE WING

As per the Government Order, the objective of Vigilance wing is to combat corruption and misconduct in the Department effectively and to detect and prevent forest offences. Forest Vigilance wing takes up cases under the following categories for 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.

4.11.1 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 2020-21, an amount of 1,38,000/- has been disbursed as remuneration to informants.

Table 38 - Contrabands Seized by Forest Intelligence Cell during 2020-21

Sl. No	Article Seized	Seized by	Offence
1	Elephant Tusk-2 No, Maruthi Swift Car	FS Range Chullimanoor	Illegal Possession and Trade of Animal Article
2	Leopard Claw-2 No	FS Range Chullimanoor	Illegal Possession and Trade of Animal Article
3	Star Tortoise-1 No, Maruthi Swift Car-1 No	FS Range Chullimanoor	Illegal Possession and Trade of Animal Article
4	Wild animal meat	FS Range Chullimanoor	Illegal Possession and Trade of Animal Article
5	Indian soft shell Turtle-4 No, congo yarn tied to Bait-2 No, Congo yarn untied to Bait-1 No, Blue net bag, Mushi fish and a Redmi Phone	Control Room Tvpm	Illegal Possession and Trade of Animal Article
6	Sandal billet-76 Nos, Sandal pieces and sandal chips-26.6 kg	Range Forest Officer, Flying Squad Range, Kannur	OR 01/2020
7	Pieces of Ivory-1.04kg	Range Forest Officer, Flying Squad Range, Kannur	OR 02/2020
8	Pangolin Scales 2- kg	Range Forest Officer, Flying Squad Range, Kannur	OR 03/2020
9	Wild bour meat -16kg	Range Forest Officer, Flying Squad Range, Kannur	OR 01/2021
10	Sambar Deer's head, skin etc	Range Forest Officer, Flying Squad Range, Palakkad	FSP-OR-1/2020(OR-1/2020 Walayar Range)
11	Red Sand boa	Range Forest Officer, Flying Squad Range, Palakkad	FSP-OR-1/2020(OR-9/2020 Walayar Range)

Apart from this, a total of 136 raids were conducted by various Flying Squad divisions all across the state to destroy Ganja plants and illicit brewing. Several vehicles were seized in relation to smuggling of forest products.

4.11.2 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 2020-21, total 116 complaints were registered through this facility.

During 2020-21, total 570 petitions/irregularities were enquired into and the details are shown below.

Table 39 - Petitions/Irregularities enquired by Vigilance Wing during 2020-21

Sl. No	Particulars	No. of Cases
1	Illicit felling of trees and smuggling of timber and other forest produce	38
2	Encroachments in reserve forest.	22
3	Irregularities involved in the expenditure on forest works, Misappropriation of Government money.	11
4	Irregularities involved in the execution of departmental works	40
5	Supply Connivances in final felling	0
6	Supply-Sale Coupe	0
7	Irregularities in wild elephants and other animals.	9
8	Shooting of wild elephant and other kinds of animals	1
9	Cases of subordinates misbehavior	11
10	Illicit transport of forest produces belonging to Government	5
11	Corrupt practices in auction	8
12	Assault etc.	0
13	Other kinds of petitions	118
14	Violation of KPT Rules/Act.	7
15	Violation of WL Act.	16
16	Illicit distillation	0
17	Atrocities against Tribal	1
18	Atrocities against animals	7
19	Illicit collection of rubble and sand.	3
20	Ganja cultivation	1
21	Illicit felling, storage and transport of timber from private lands	21
22	Petition against forest officials.	216

Sl. No	Particulars	No. of Cases
23	Petition against VSS	6
24	Cases involved in smuggling of bamboos and reeds.	6
25	Illicit diversion of water from Periyar	0
26	Press report	1
27	Illicit transport of forest produce not belonging to Govt.	2
28	Allegation of Ganja cultivation, sale of intoxicating liquor	2
29	Fire occurrence	1
30	Misuse of departmental vehicles	3
31	Possession of Unlicensed Gun	2
32	Smuggling of sand	2
33	Petition regarding Captive Elephant	2
34	Petition regarding Crop damage	5
35	Irregularities in connection with wood based industries	3
Total		570

4.12 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.

Achievements and activities during 2020-21

- Revision of Working Plan in respect of two forest divisions (Chalakkudy and Palakkad) are completed and is under consideration of MoEF & CC, for approval. Preparation of new Working Plan in respect of Achenkovil, Thiruvananthapuram, Thenmala and Marayoor divisions are in final stage. The field survey is in progress in Punalur, Munnar and Mannarkkad divisions.
- **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.

- **Research North, Thrissur:** - A comparative study on Root trainer and Stumps was conducted in four plots in Nilambur, Palakkad and Mananthavady units. The division maintained 18 Seed Production Areas (SPAs) in various Ranges.
- **Forest Resource Survey Cell (FRSC), Thrissur:** The Forest Resource Survey Cell, Thrissur, has completed the preparation of Working Plan of Chalakkudy Forest Division for the period 2017-18 to 2029-30 and submitted to MoEF & CC for approval.

New Schemes / Projects Launched

- A frame work for eco-restoration of mono-culture plantations
As pronounced in the Honorable Governor's speech, a framework has been developed for phasing out mono-culture plantations of Acacia and Eucalyptus from the forests of Kerala. Detailed procedures for effecting this has also been formulated and being implemented.
- **Automation of Working Plans based on ecosystem based approaches**
Working Plans are the cornerstones of forest management. As part of improving the management of forests, the preparation of Working Plans have been automated through an APP. Further, hydrology has been made as the central theme of forest management and the Working Plan prescriptions have been made accordingly.
- **Recovery programme for critically endangered species**
There are several species of plants categorized as critically endangered in the state of Kerala. In collaboration with the Kerala Forest Research Institute, Peechi a programme aiming at the recovery of these species have been initiated during 2020-21. The following four species have been taken up for recovery during 2020-21.
 1. *Coscinium fenestratum*
 2. *Berberis tinctoria*
 3. *Diospyros ebenum*
 4. *Corypha umbraculifera*

Status of working plan

Out of 25 Territorial Forest Divisions 19 Divisions are having current Working Plans approved by Government of India.

Table 40 -Status of Working Plans as on 31.03.2021

Sl. No	Division	Valid till	Status
Divisions where approved Working Plan or Management Plan is available			
1	Thiruvananthapuram	31.03.2014	Submitted to MoEF & CC for approval
2	Thenmala	31.03.2019	New working Plan is being prepared
3	Achenkovil	31.03.2018	New working Plan is being prepared
4	Punalur	31.03.2021	Working plan is current

Sl. No	Division	Valid till	Status
5	Munnar	31.03.2020	New Working Plan is being prepared
6	Marayoor	31.03.2020	New Working Plan is being prepared
7	Mankulam	31.03.2022	New Working Plan is being current
8	Thrissur	31.03.2024	Working plan is current
9	Palakkad	31.03.2019	Submitted to MoEF & CC for approval
10	Nilambur (South)	31.03.2024	Working plan is current
11	Mannarkkad	31.03.2022	New Working Plan is current
12	Kozhikkode	31.03.2022	New 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	Working plan is current
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	31.03.2030	Submitted to MoEF & CC for approval
22	Vazhachal	31.03.2028	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

4.12.1 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 41- Teak Seed Production Areas details (TSPA) during 2020-2021

Sl. No	Location	Forest Division	Year	Extent (Ha)
New TSPA under Research North, Thrissur				
1	Mathamangalam	Mananthavady	1977	38.1
2	Mathamangalam	Mananthavady	1976	37.3
3	Begur Bit I	Mananthavady	1981	51.5
4	Begur Bit II	Mananthavady	1981	67.5
5	Cheeyambam	Mananthavady	1978	51.4
6	Pallichira	Mananthavady	1980	41.1
7	Changambam	Mananthavady	1981	61.5
8	Udayakkara	Mananthavady	1983	54.45
9	Poolakkappara	Nilambur South	1969	55.14
10	Poolakkappara	Nilambur South	1970	44.7
11	Sankarankode	Nilambur South	1961	42
12	Nedumkayam	Nilambur South	1970	55.4
13	Cherupuzha	Nilambur South	1971	20
14	Nedumkayam	Nilambur South	1972	9.072
15	Nedumkayam	Nilambur South	1973	65
16	Kariam Muriyam	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	17.6
23	Kummannor	Konni	1979	12.5
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
28	Chembanaruvi	Konni	1979	67
29	Alingamon	Achenkovil	1987	18.28
30	Kodamala	Achenkovil	1987	37.1
31	Adukuzhy	Ranni	1983	45.5
32	Kalaketty	Ranni	1954	42
33	Adukuzhy	Ranni	1983	45.5
34	Mullappana	Chalakkudy	1976	126
			Sub Total	464.19
			Grand Total	1420.562

CHAPTER 5

FINANCES

5.1 BUDGET PROVISION AND EXPENDITURE

The total budget outlay for the year 2020-21 was ₹ 711.45 crore and expenditure incurred to ₹ 623.33 crore, which is 88.35% of the total budget outlay during the year. The details of budget provisions and the expenditure of last five years are given below.

Table -42 Comparative position of Budget outlay and Expenditure from 2016-17 to 2020-21

Year	Plan		Non Plan		Total (₹ in crores)
	Budget Outlay (₹ in crores)	Expenditure (₹ in crores)	Budget Outlay (₹ in crores)	Expenditure (₹ in crores)	
2020-21	269.46	247.61	441.99	375.72	623.31
2019-20	256.01	160.27	408.99	390.91	551.18
2018-19	305.93	171.69	418.85	398.20	569.89
2017-18	307.69	188.03	435.58	399.12	587.15
2016-17	286.24	239.02	353.77	368.14	607.16

5.2 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 ₹ 236.60 crores during 2020-21. Major portion of the forest revenue was from timber. During 2020-21, ₹215 crores was collected towards revenue from the sale of timber alone which accounted for 90.87 % of the total forest revenue.

Table- 43 Revenue from Timber and other Forest Produce

Sl. No	Head of Account	(₹ in lakhs)
1	2	3
0406-01-101 Sale of Timber and other Forest produces.		
1	99 Timber	21508
2	98 Firewood and Charcoal	194.47
3	97 Receipts from sale of forest produce coming under the Kerala private forest (Vesting and Assignment) Act.	0
4	96 Receipts from forest development tax	1160.72
5	95 Receipts under Kerala Forest Produce	17.6
6	94 Other Items	115.79
Total (101)		22996.58
0406-01-800 Other Receipts		
1	99 Interests on Arrear of Forest Revenue	50.29
2	98 Receipts from Wildlife department	60.01
3	97 Scheme for Provision of House Sites and houses to Landless Worker in Rural Area - Free Supply of Timber	0
4	96 Revenue Released from the KFDC on the sale proceeds of residual growth	0.06
5	95 Other Items	503.35
6	94 Livestock	0.11
7	93 Integrated Wasteland Development Programme	0
8	91 Receipts on account of Lapsed and Confiscated Deposits	1.02
9	90 Forest Land Lease rent	49.18
Total (800)		664.02
Grand Total		23660.60
Refunds (0406-01-900-00)		0
Net Revenue		23660.6

Table- 44 Revenue realized for the last five years (₹ in crores)

Year	2016-17	2017-18	2018-19	2019-20	2020-21
Revenue	296.85	245.42	287.2	255.84	236.6

5.3 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 2020-21 an amount of ₹1160.72 lakhs was collected.

5.4 OUTSTANDING ON ACCOUNT OF FOREST REVENUE

An amount of ₹347.35 crores is outstanding on account of forest revenue (arrears) at the end of the year 2020-21.

Table -45 Sector wise Outlay and Expenditure (₹ in crores) during 2019-20 and 2020-21

Schemes	2019- 20		2020-21	
	Outlay	Expenditure	Outlay	Expenditure
State sector	213.60	138.97	216.73	213.36
Central sector	42.41	21.30	52.73	34.25
EAP	0.00	0.00	0.00	0.00
Total (Plan)	256.01	160.27	269.46	247.61
Non Plan	408.99	390.91	441.99	375.72
Grand Total	665.00	551.18	711.45	623.33

The Plan expenditure under forestry sector during 2020-21 was ₹247.61 crores, which is 91.89% of the total plan outlay. Out of this, state sector accounted an expenditure of ₹213.36 crores and the expenditure for central sector was ₹34.25 crores.

5.5 DEVELOPMENTS UNDER 13th FIVE YEAR PLAN

The year 2020-21 was the fourth year of the 13th Five Year Plan. The target and achievement under 13th Five Year Plan is given below.

Table -46 Target and Achievement during XIIIth 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
2020-21	269.46	247.61

5.6 OUTLAY AND EXPENDITURE UNDER PLAN SCHEMES

During 2020-21, an expenditure of ₹ 24761.226 lakhs was incurred against the budget provision of ₹ 26946.140 lakhs. Details of budget head wise allotment and expenditure given below.

Table - 47 Achievements on Plan Schemes (Financial) during 2020-21

Sl No.	Scheme & Head of Account	Financial (₹ in Lakhs)	
		Budget Outlay	Expenditure
1	2	3	4
A. State Sector Schemes			
I	Management of Natural Forests		
1	Forest Protection (2406-01-101-81)	2500.000	2495.989
2	Forest Protection (Survey of Forest Boundaries & Forest Protection) (4406-01-101-99)(01)	3200.000	3198.243
3	Regeneration of Denuded Forests (2406-01-101-94)	275.000	274.484
4	Non-wood forest produce including Promotion of medicinal plants (2406-01-101-80)	190.000	188.593
Sub Total		6165.000	6157.309
II	Improving Productivity of Plantations		
1	Hard Wood Species (4406-01-105-87)(01)	650.000	649.150
2	Industrial Raw Materials (4406-01-105-87)(02)	240.000	239.308
Sub Total		890.000	888.458
III	Infrastructure Development		
1	Roads (4406-01-070-99)	600.000	599.714
2	Buildings (4406-01-070-97)	600.000	598.495
Sub Total		1200.000	1198.209
IV	Bio-diversity Conservation and PA Management		
1	Conservation of Biodiversity(2406-02-110-68)	1000.000	999.341
2	Eco Development Programme (2406-02-110-56)	375.000	374.964
Sub Total		1375.000	1374.305
V	Eco-Tourism (4406-01-800-91)	800.00	799.309
VI	Eco-Tourism – Project Green Grass (2406-01-800-52)	8.000	7.990

Sl No.	Scheme & Head of Account	Financial (₹ in Lakhs)	
		Budget Outlay	Expenditure
VII	Human Resource Development		
1	Training (2406-01-003-97)	350.000	321.546
VIII	Resource Planning & Research (2406-01-004-92)	150.000	146.793
IX	Forest Management Information System &GIS (2406-01-800-57)	245.000	242.361
X	Extension Community Forestry & Agro Forestry (2406-01-800-55)		
1	(01) Extension Forestry	1600.000	1595.511
XI	Works with assistance from RIDF (4406-01-800-90)	2609.000	2522.715
XII	Measures to reduce Man Animal Conflict (2406-01-800-56)	2400.000	2397.756
XIII	Zoological Park, Wildlife Protection and Research Centre, Puthur (2406-02-110-48)	1400.000	1400.000
	Sub Total (A)	19192.000	19052.262
B. Schemes with Central Assistance (60% CSS)			
I	Sanctuaries		
1	Neyyar Wildlife Sanctuary (2406-02-110-39)(01)	87.500	79.600
2	Wayanad Wildlife Sanctuary (2406-02-110-39)(02)	190.000	137.260
3	Idukki Wildlife Sanctuary (2406-02-110-39)(03)	95.000	64.535
4	Peechi, Vazhani Wildlife Sanctuary (2406-02-110-39)(04)	100.000	60.299
5	Wildlife Sanctuary – Peppara (2406-02-110-39)(05)	80.000	72.508
6	Wildlife Sanctuary – Schendurney (2406-02-110-39)(06)	100.000	81.436
7	Wildlife Sanctuary -Chimmony (2406-02-110-39) (07)	85.000	73.600
8	Wildlife Sanctuary – Aralam (2406-02-110-39) (08)	86.000	70.210
9	Wildlife Sanctuary – Chinnar (2406-02-110-39) (09)	64.000	51.850
10	Bird Sanctuary at Thattekkad (2406-02-110-39)(10)	55.000	50.840
11	Mangalavanam Bird Sanctuary (2406-02-110-39)(11)	17.720	12.022
12	Kurinjalma Sanctuary (2406-02-110-39)(12)	20.000	19.973
13	Choolannur Peacock Sanctuary (2406-02-110-39)(13)	15.000	15.000
14	Malabar Wildlife Sanctuary (2406-02-110-39)(14)	40.000	36.361
15	Kottiyoor Wildlife Sanctuary (2406-02-110-39)(15)	45.000	40.630
	Sub Total	1080.220	866.124

Sl No.	Scheme & Head of Account	Financial (₹ in Lakhs)	
		Budget Outlay	Expenditure
II	National Parks		
1	Eravikulam National Park(2406-02-110-38)(01)	130.000	130.000
2	Silent Valley National Park(2406-02-110-38)(02)	170.000	148.070
3	Anamudi Shola National Park(2406-02-110-38)(03)	35.000	34.997
4	Mathikettan Shola National Park(2406-02-110-38)(04)	35.000	35.000
5	Pampadum Shola National Park(2406-02-110-38)(05)	45.000	45.000
	Sub Total	415.000	393.067
III	Community Reserve		
1	Integrated Development of Wildlife Habitats Management of Community Reserve (2406-02-110-37)(01)Kadalundi Reserve	17.500	17.500
	Sub Total	17.500	17.500
IV	Project Tiger		
1	Project Tiger Periyar Tiger Reserve (2406-02-110-36)(01)	772.280	412.375
2	Project Tiger Parambikulam Tiger Reserve (2406-02-110-36)(02)	632.400	362.420
	Sub Total	1404.680	774.795
V	Project Elephant		
1	Project Elephant(2406-02-110-35)	1000.000	819.523
2	Project ElephantSCSP(2406-02-789-99)	117.600	107.854
3	Project Elephant TSP (2406-02-796-99)	20.000	19.996
	Sub Total	1137.600	947.373
VI	Forest Fire Prevention Management Scheme (FPMS) (2406-01-800-53)	400.000	326.715
VII	Integrated Development of Wildlife Habitat (Protection of Wildlife Outside Protected Areas (2406-02-110-52))	771.770	743.037
VIII	Nilgiri Biosphere Reserve(2406-02-110-34)	250.000	0.000
IX	Agasthyamala Biosphere Reserv(2406-02-110-33)	300.000	16.713
X	Wetland Conservation(2406-02-110-32)	424.000	71.270

Sl No.	Scheme & Head of Account	Financial (₹ in Lakhs)	
		Budget Outlay	Expenditure
XI	Integrated Development of Wildlife Habitats to Wayanad Wildlife Sanctuary for Voluntary Relocation of Settlements from Protected Areas (2406-02-110-31)	1.000	0.000
XII	Green India Mission		
1.	National Afforestation Programme – General Component (2406-01-102-86)	1450.680	1450.680
2.	National Afforestation Programme - Special Component Plan for Scheduled Castes (SCP) (2406-01-789-99)	69.060	69.060
3.	National Afforestation Programme - Tribal Area Sub Plan (TSP) (2406-01-796-99)	32.630	32.630
	Sub Total	1552.370	1552.370
	Sub Total (B)	7754.140	5708.964
	Grand Total (A+B)	26946.140	24761.226

5.7 OUTLAY AND EXPENDITURE UNDER NON-PLAN SCHEMES

An expenditure of `37572.330 lakhs was incurred against the budget provision of `44199.76 lakhs during 2020-21. Details on budget head wise allotment and expenditure are shown below.

Table - 48 Achievements on Non-plan Schemes (Financial) during 2020-21

Sl No.	Scheme & Head of Account	2020-21 (₹ in Lakhs)	
		Outlay	Expenditure
I	Direction & Administration (2406-01-001)		
1	Office of the Chief Conservator of Forests (2406-01-001-99)	1745.410	1412.405
2	Office of the Conservator of Forests (2406-01-001-98)- Circle Office	782.830	667.197
3	Working Plan & Research Circle (2406-01-001-97)	72.130	64.638
4	Vigilance & Evaluation Wing (2406-01-001-96)	1701.270	1487.779
5	District Offices (2406-01-001-95)	14164.900	11794.110
6	Statistical Cell (2406-01-001-94)	4.990	4.892
7	Timber Sales Division (2406-01-001-93)	695.800	606.374
	Sub Total	19167.330	16037.395

Sl No.	Scheme & Head of Account	2020-21 (₹ in Lakhs)	
		Outlay	Expenditure
II	Education & Training (2406-01-003)		
1	Education and Training (2406-01-003-99)	528.820	273.140
	Sub Total	528.820	273.140
III	Forest Research (2406-01-004)		
1	Forest Research & Training (2406-01-004-99)	61.550	53.574
2	Payment out of the KFDF for Forest Research (2406-01-004-95)	85.000	60.097
	Sub Total	146.550	113.671
IV	Survey and Utilization of Forest Resources (2406-01-005)		
1	Forest Resources Survey(2406-01-005-99)	54.570	46.119
2	Survey of Forest Boundaries (2406-01-005-98)	227.350	184.886
	Sub Total	281.920	231.005
V	Statistics (2406-01-013)		
1	Planning & Statistical Cell (2406-01-013-99)	157.390	157.422
	Sub Total	157.390	157.422
VI	Communication & Buildings (2406-01-070)		
1	Roads & Bridges (2406-01-070-99)	40.500	39.639
2	Buildings (2406-01-070-98)	77.950	77.520
	Sub Total	118.450	117.159
VII	Forest Conservation Development & Regeneration (2406-01-101)		
1	Forest Consolidation & Acquisition of Private Forests(2406-01-101-99)	4247.940	3680.257
2	Working Plans, Evaluation Survey, etc. (2406-01-101-98)	1.900	1.607
3	Silvicultural Works (2406-01-101-97)	8.000	7.788
4	Fire Protection Work (2406-01-101-96)	20.570	17.591
5	Compensatory Afforestation (2406-01-101-92)	5.000	4.994
6	Amount met out of KFDF for Planting Softwood Trees (2406-01-101-91)	400.000	395.981
7	Transfer to the fund for TEAK under the Kerala Forest Revolving Fund for Teak and Pulpwood Rules,1999 (2406-01-101-90)-Teak	851.130	805.318

Sl No.	Scheme & Head of Account	2020-21 (₹ in Lakhs)	
		Outlay	Expenditure
8	Transfer to the fund for PULPWOOD under the Kerala Forest Revolving Fund for Teak and Pulpwood Rules,1999 (2406-01-101-89)- Pulpwood	50.000	49.995
9	Forest Protection (2406-01-101-81)	5089.840	4317.177
Sub Total		10674.380	9280.708
VIII	Social & Farm Forestry (2406-01-102)		
1	Plantation of fast growing species (2406-01-102-99)	371.450	270.118
2	Ecology Development World Bank Assisted Social Forestry (2406-01-102-98)	2737.530	2365.720
3	Ecology Development World Bank Assisted Social Forestry, Phase-II (2406-01-102-92)	114.120	78.545
Sub Total		3223.100	2714.383
IX	Forest Produces (2406-01-105)		
1	Timber & Other Produces removed by Govt. Agencies (2406-01-105-99)	2250.000	2248.670
2	Firewood & Charcoal removed by Govt. Agencies (2406-01-105-98)	2.250	1.625
3	Other Produce removed by Govt. Agencies (2406-01-105-97)	0.080	0.080
4	Timber & Other Produces removed by Consume ₹ (2406-01-105-96)	0.070	0.000
5	Confiscated Forest Produce, Drift wood, etc. (2406-01-105-95)	0.500	0.000
6	Livestock (2406-01-105-94)	800.000	798.968
7	Miscellaneous Advance Suspense (2406-01-105-93)	1.000	0.000
8	Teakwood (2406-01-105-92)	1255.410	1074.995
9	Softwood (2406-01-105-91)	124.010	84.750
Sub Total		4433.320	4209.088
X	Other Expenditure (2406-01-800)		
1	Forest Extension and Publicity(2406-01-800-98)	86.810	66.612
2	Forest Protection(2406-01-800-95)	0.010	0.000
3	Intensification of Forest Management (2406-01-800-93)	229.010	195.736
4	Relief to Victims Affected by the Attack of Wild Animals (2406-01-800-92)	60.000	59.547

Sl No.	Scheme & Head of Account	2020-21 (₹ in Lakhs)	
		Outlay	Expenditure
5	Rewards to Informants of forest offences (2406-01-800-91)	0.450	0.00
Sub Total		376.280	321.895
XI	Wildlife Preservation (2406-02-110)		
1	Wildlife Preservation (2406-02-110-99)	2391.550	2050.094
2	Periyar Tiger Reserve Project (2406-02-110-93)	316.910	266.920
3	Eco-Development Global Environmental Facilities (2406-02-110-69)	89.750	74.230
4	Conservation of Bio-diversity (2406-02-110-68)	582.860	504.220
Sub Total		3381.070	2895.464
XII	LAC ADS (4406-01-101)		
1	Projects under Legislative Assembly Constituency Asset Development Scheme (4406-01-101-97)	132.130	132.115
Sub Total		132.130	132.115
XIII	EFL (4406-01-102)		
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
Sub Total		0.010	0.000
XIV	State Authority (Compensatory Aforestation) (2406-04-103-99)		
Sub Total		1579.010	1088.885
Grand Total		44199.760	37572.330

5.8 FUNDS RECEIVED DIRECTLY FROM GOVERNMENT OF INDIA

The scheme-wise funds received directly from Government of India and the expenditure incurred during 2020-21 are given below.

Table - 49 Expenditure on funds received directly from the Govt. of India

Scheme	Amount Released during 2020-21 (in lakhs)	Expenditure Incurred during 2020-21 (₹ in Lakhs)
CAMPA	1578.90	1088.34

5.9 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 2020-21, an expenditure of ₹ 598.495 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 ₹ 599.714 lakhs during the year. The cost of works including infrastructure facilities under NABARD -RIDF scheme was ₹ 2522.715 lakhs.

6.1 ROAD

The details of various types of roads maintained by the Forest Department as on 31.03.2021 is shown below:

Table – 50 Roads that are maintained as on 31.03.2021

Sl.No	Type of Road	Length (km)
1	Cement Concrete	60.418
2	Black Topped	552.585
3	Metalled	875.189
4	Earthern Road (un-surfaced)	3419.371
Total		4907.563

Of the 4907.563 Km, the length of Motorable Road is 4186.828 km and that of Non- Motorable Road is 720.735 km. In which 12.464 km of new forest roads/link roads were constructed by the department in the current year.

6.2 BUILDING

A total of 3430 numbers of buildings had been maintained in the Forest Department as on 31.03.2021. The details are given in Table 51.

Table – 51 Buildings as on 31.03.2021

Sl. No.	Type of building	Number
1	Office Buildings	329
2	Rest Houses / Government Cottages/IB	60
3	Quarters	
	a) Type VI	21
	b) Type V	14
	c) Type IV	59
	d) Type III	202
	e) Type II	697
	f) Type I	345
	g) Other quarters	186
4	Dormitories	96
5	Community Halls	50
6	Forest Stations and Associated buildings	147
7	Other Buildings	1224
Total		3430

6.3 VEHICLES

Forest Department has **793** government vehicles of various kinds for multiple uses by the department. Of these, **662** were in running condition and **131** vehicles were not in a running condition. The detailed list is given below.

Table – 52 Vehicles as on 31.03.2021

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	5	10	15
4	Verito Car/ Other Cars	5	0	5
5	Indigo Car	3	6	9
6	Maruti SX4/Ciaz	16	0	16
7	Boat	30	9	39*
8	Bolero	119	6	125

Sl. No.	Vehicles	No. of Vehicles		Total Number of Vehicles
		In running condition	Not in running condition	
9	E Rickshaw	0	1	1
10	Ford Fiesta/ATV-1	2	0	2
11	Gurkha Explorer	2	0	2
12	Innova	33	0	33
13	Invader	10	0	10
14	Mini Lorry/ Lorry	4	1	5
15	Mahindra Jeep	115	22	137
16	Mahindra Thar / Camper	138	4	142
17	Mahindra Xylo/ XUV/Scorpio	34	0	34
18	Maruti Gypsy	1	0	1
19	Mini Bus/Bus	23	2	25
20	Mini Van – Tata Ace Magic	0	2	2
21	Motor Cycle	98	65	163
22	Scorpio Getaway	9	0	9
23	Tata Winger	2	2	4
24	Toyota Qualis	9	0	9
Total		662	131	793

• Pedal Boat -5 Nos, Row Boat -6 Nos, Engine Boat- 28 Nos

6.3.1 Purchase of new Vehicles

During 2020-21 the department purchased 6 Mahindra Bolero B6 (OPT) vehicle.

Table – 53 -Vehicles purchased and disposed during the year 2020-21

Sl. No.	Vehicle type	Purchased with budget/ scheme	Cost of purchase	Vehicle disposed off	Revenue accrued due to disposal
1	Mahindra Bolero	CAMPA	48,74,454/-	Mahindra Bolero	61,386/-

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 31.3.2021 are given below:-

Table – 54 - Arms & Ammunition as on 31.03.2021

SL. No.	Circle / Office	No. of Rifles	No. of Revolvers	No. Of Gun/ Pump Action Gun	No. of Tranquilizers	No. of Ammunition (Cartridges & Bullets)
1	Southern Circle, Kollam	31	11	5	0	634
2	High Range Circle, Kottayam	59	14	10	0	2090
3	Central Circle, Thrissur	39	11	4	0	1137
4	Eastern Circle, Palakkad	50	8	1	0	1473
5	Northern Circle, Kannur	31	6	3	0	1483
6	Agasthyavanam Biological Park, Thiruvananthapuram	12	5	1	0	1377
7	Field Director, Project Tiger, Kottayam	91	19	70	0	1781
8	Wildlife, Palakkad	76	15	3	0	2712
9	Inspection & Evaluation, Kottayam	15	6	0	0	338
10	Inspection & Evaluation, Kozhikode	16	8	0	0	440
11	Training center, Arippe	2	2	1	0	41
12	Estate Office, Forest HQs, Thirruvananthapuram.	10	0	0	0	725
Total		432	105	98	0	14231

CHAPTER 7

DEPARTMENTAL PUBLICATIONS

Forestry Information Bureau (FIB) 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 2020-21 has prepared. Work of 'Forest Statistics' report 2020 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 and have more than 2238 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 & 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 2nd October 2019. 5 issues are released during the financial year 2020-21



Nature Glide is the quarterly Journal Published from Nature Education Wing of Periyar Tiger Conservation Foundation, for raising awareness among youth and public.

Hand Books

During 2020-21, a hand book of 'Forest Stations' IInd edition is published and distributed. This handbook is helpful to improve the functions of forest stations and officials.

Forest Guides

During the year, Forestry Information Bureau has printed and distributed 'Forest Guide 2020'.

Audio Visual Documentations

► Forest Fire Awareness Video

Parambikulam Tiger Conservation Foundation assisted Peechi Wildlife Division in preparing a short video for disseminating the message of prevention of Forest Fire under the name, "The Remains of the Last Leaf".

► Video Documentation on Parambikulam Tiger Reserve

The Video documentation about Parambikulam Tiger Reserve was uploaded in the YouTube channel and has gained wide appreciation across the country.

► Photo documentation of medicinal plants and documentation of traditional knowledge

A field level photo documentation of medicinal plants and documentation of traditional knowledge was carried out at Periyar West Division from 30-10-2020 to 10-01-2021.

► Photo documentation of various activities during Sabarimala Pilgrimage

Sabarimala pilgrim management is one of the prime management activities of Periyar West Division. A photo documentation of various activities and facilities offered to pilgrims along the traditional route from Pamba to Sannidhanam was carried out from 07-01- 2021 to 08-01-2021.

7.2 SURVEYS

Butterfly Migration Survey was conducted in Aralam and Kottiyoor Wildlife Sanctuaries. This was the 21st butterfly survey in this division. One new species was identified and 262 species were identified so far.

Raptor Survey 2021 was conducted from 26.02.2021 to 28.02.2021 in 3 division of Wayanad district. It is one of the Major Wildlife survey in the Sanctuary which is primary aimed to find the status and distribution of the remaining vulture population in Wayanad district. This survey comes under the species recovery programme-IDWH-Vulture.

Odonates Survey 2020 was conducted in September 2020 in Wayanad Wildlife Sanctuary. Odonates survey in the Sanctuary was conducted by Ferns Natural Society and recorded a total number of 86 Odonate species from the Sanctuary.

Prey Species Survey was conducted to estimate the density of prey species in Parambikulam Tiger Reserve as a part of field exercises towards updation of Tiger Conservation Plan. It was a five day

programme from 24.01.2021 to 26.01.2021. A total of 25 transects were selected for the survey with five replications of each transect. More than 100 field staff participated in the survey.

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, You Tube Channel, Twitter etc. Due to 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.

Facebook

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 been uploaded to this channel.

Twitter

Twitter handles of 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

STATE-LEVEL EVENTS

8.1 WILDLIFE WEEK CELEBRATIONS

During 2020 the Forest Department had celebrated Wildlife Week from 2nd October to 8th October. It is an occasion to educate, inspire, enlighten and enlist the support of general public and students to the cause of conserving forest and wildlife. In view of the Covid protocol, this year Wildlife Week Celebration was formally inaugurated in a digital platform. The 69th Wildlife Week Celebrated by the state forest department around the theme, 'Sustaining all life on Earth'.

State level function was inaugurated at the Forest Headquarters by the Hon. Minister for Forest Adv. K Raju through Video Conferencing. A manual on snake catching, Aranyam Special issue and 'Zoo in my Backyard' a book written by Ms.Usha Rajendran, were released at 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 2020.

The closing ceremony of the Wildlife Week Celebration was inaugurated by Dr. V. K Ramachandran vice Chairperson, State Planning Board through Video conferencing.

8.2 INDEPENDENCE DAY & REPUBLIC DAY

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

8.3 FOREST MARTYRS' DAY

Forest Martyrs' Day was observed in the Headquarters and other offices in the department on 11th 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.

8.4 WORLD ENVIRONMENT DAY

The State Level function of World Environment Day was inaugurated by Hon'ble Minister for Forests. In the function Hon'ble Minister for Forests Adv. K. Raju distributed saplings of trees at Doordarshan Kendra, Kudappanakunnu, Thiruvananthapuram. Various awareness programmes were conducted in Headquarters and other offices in the department. Periyar Tiger Reserve celebrated world Environment Day celebration through awareness class based on the theme "Time to celebrate Biodiversity". The live sessions and recorded class reach out to 1500 participants including public, cubs of Periyar schools and a UP school at Kasargod.

8.5 INTERNATIONAL DAY OF FORESTS

International Day of Forests -2021 was celebrated at Forest Headquarters on 21st March 2021. The function commenced with an introductory speech by Shri. D. Jayaprasad IFS, PCCF(P&D). During the function welcome speech was given by Dr. Pugazhendi IFS, APCCF(Admin) followed by the International Day of Forests pledge delivered by Shri. Arun. R. S IFS. The function was presided by Shri. D. K. Verma IFS, PCCF & CWW. Shri. P. K. Kesavan IFS, PCCF&HoFF inaugurated the ceremony in the presence of Chief Guest Shri. Rajesh Kumar Sinha IAS, Principal Secretary, Forest & Wildlife. Key note address was delivered by Dr. C. T. S. Nair IFS (Retd). Vanamithra Award for the year 2019-20 and 2020-21 was distributed in the function. The awards for medal winners during the National Forest Sports Meet-2021 were also distributed in the function. Cultural programme by Pankavu EDC, Kottoor and Vazhachal Division staff were organised during the function, abiding by the Covid protocol

8.6 VANA MAHOTSAVAM

State celebrates the festival with full heart. This year Vanamaholsavam was inaugurated by planting saplings on 1st July at Tribal hamlets. State level Vanamaholsavam was inaugurated by Hon. Minister for forests Adv. K. Raju by planting trees at Puthur Zoological Park. This is the part of the mass planting of ten lakh saplings at the park compound. Similar programmes were conducted in all other districts too.



Periyar West division has celebrated Vanamaholsavam with variety of programmes. Focusing on nature conservation, a webinar was also organized for the public and other stakeholders in connection with Vanamaholsavam celebration. Sri. Venu Variath, the notable environmentalist, writer and social worker was the faculty for the online webinar.

8.7 SPORTS MEET

National & State level Forest Sports meets were not conducted during 2020-21 due to Covid 19 pandemic situation.

8.8 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 seminar on PFMand awareness class for tribal children were conducted. In Central Circle, Thrissur Nature Camps, Medical Camps, Anti-plastic campaign, Awareness classes on fire protection and Human-Wildlife conflict were conducted. Apart from that awareness programmes were conducted and protective measures were distributed in tribal colonies to defend Covid 19. In Eastern Circle, Palakkad 15 Nature Camps were conducted for public and students, 66 fire awareness campaigns and 2 fire awareness rally and one medical camp were conducted. In Northern Circle, Kannur, Nature Camps, fire awareness class, Medical Camps etc were conducted.

In Social Forestry Circle, Kollam one workshop, 63 nature awareness classes, observation of 12 International days, 10 Exhibitions, 1 Fire awareness rally and 1 SPC & NSS Camps were conducted. Under Alappuzha division various awareness classes and seminar were conducted in connection with International day of forests.

In Social Forestry Circle Ernakulam seminars, conferences, workshops, Scientific snake catching training, are conducted as a part of Celebration of World Environment Day, World Sparrow Day, World Forestry Day and International Day for Conservation of Mangroves. Three awareness classes are conducted in connection with importance of mangroves, turtle conservation and fire awareness campaign, and a seminars is conducted in connection with declaration with Peringod mangrove Reserve Forests.

In Social Forestry Circle, Kozhikkode World Environment day, Bio-Diversity Day, Forest Martyr's Day, International Mangrove's Day, International Ozone Day, International Tiger Day, International Vulture Day, Water Conservation Day, World Mountain Day, World Soil Day, World Wetland day etc were celebrated in circle and various offices under the circle. 26 webinars, One Scientific snake catching training, 3workshop and 8 awareness classes were conducted in connection with the above programmes.

In FDPT, Kottayam, conducted 4 awareness camps, campaigns against forest fire and workshops in connection with revision of the Management Plan at Shola National Park. In Wildlife Circle, Palakkad, fire awareness rally was conducted at Parambikulam Tiger reserve and a camera trap exercise were conducted in Vazhachal, Chalakkudy, Malayatoor divisions and Parambikulam Tiger Reserve as the part of all Kerala Tiger Monitoring.

8.9 EXHIBITIONS

Wildlife photo exhibition conducted at CUSAT under Social Forestry circle, Ernakulam.

8.10 ACTIVITIES UNDER TIGER RESERVES

8.10.1 Parambikulam Tiger Reserve

Monitoring System for Tigers Intensive Protection & Ecological Status (MSTripES)

A training program on M-STRIPE was conducted in Kannur Division on 04-08-2020 and South Wayanad Division on 06-08-2020. Section Forest Officers, Beat Forest Officers and Watchers were the participants.

Training on Camera Trapping

Camera trap training were given for SFO's BFO's and watchers in Malayattoor division, Vazhachal division, Chalakkudy division and Parambikulam Tiger Reserve as a part of all Kerala Tiger Population Estimation.

Training on Density Estimation of Prey Population

Training on Density Estimation of Prey Population was given to the field staffs of Parambikulam Tiger Reserve prior to the field survey on January 21st 2021.

Conducting Fire Awareness at Parambikulam and adjoining areas

Fire awareness campaigns were conducted at multiple locations within the Tiger Reserve during January in anticipation of the fire season for tourists, forest officials, naturalists, watches and local people.

8.10.2 Periyar Tiger Reserve

Training and Workshop

An awareness class on organic farming was conducted on 30-09-2019 by Mr. Soji Thomas, Agricultural Officer for the farmers of the three Panchayats. Sensitization workshop on landscape management, marketing of organic products, etc. was conducted on 19-12-2020, for the farmers of the Mannakkudy, Paliyakkudy and Vanchivayal tribal settlements.

Land survey (Soil and Water PH testing)

Paliakkudy, Vanchivayal and Mannakkudy panchayathswere the sample plots selected for the first phase of implementation climate resilient farming. In connection with implementation phase, soil and water PH of the selected plots were tested.

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. There are 311 State Public Information Officers and Appellate Authorities are existing in the department. The following table gives the details of State Public Information Officers and Appellate Authorities in the headquarters and circle offices.

Table 55-- Name and Address of State Public Information Officers and Appellate Authorities under Right to Information Act.

Sl. No.	State Public Information Officer & Office	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 (Administration), Thiruvananthapuram	Senior Administrative Officer (Administration)
3	Senior Superintendent (Accounts) O/o the Principal Chief Conservator of Forests (P&D), Thiruvananthapuram	Deputy Conservator of Forests (Planning and Development)
4	Senior Administrative Assistant of Forests (Forest Management) O/o Principal Chief Conservator of Forests (Forest Management), Thiruvananthapuram	Deputy Conservator of Forests (Forest Management), Thiruvananthapuram
5	Administrative Assistant of Forests (Wildlife) O/o Principal Chief Conservator of Forests (Wildlife), Thiruvananthapuram	Deputy Conservator of Forests (Wildlife), Thiruvananthapuram
6	Head Account (Eco Development & Tribal Welfare) O/o Additional Principal Chief Conservator of Forests (Eco Development & Tribal Welfare)	Deputy Conservator of Forests (Eco Development & Tribal Welfare), Thiruvananthapuram
7	Head Account (IT) O/o Chief Conservator of Forests (IT), Thiruvananthapuram	Assistant Conservator of Forests (IT), Thiruvananthapuram
8	Senior Administrative Assistant (Vigilance & FI), O/o Addl. Principal Chief Conservator of Forests (Vigilance), Thiruvananthapuram	Deputy Conservator of Forests (Vigilance), Thiruvananthapuram

Sl. No.	State Public Information Officer & Office	Appellate Authority
9	Administrative Assistant(Social forestry) O/o the Addl. Principal Chief Conservator of Forests (Social Forestry) ,Thiruvananthapuram	Assistant conservator of Forests(Social Forestry), Thiruvananthapuram
10	Senior Superintendent (Working Plan & Research) O/o the Chief Conservator of Forests (Working Plan & Research) Thiruvananthapuram	Chief Conservator of Forests (Working Plan & Research), Thiruvananthapuram
11	Junior Superintendent (HRD) O/o Conservator of Forests (HRD), Thiruvananthapuram	Assistant Conservator of Forests(HRD), Thiruvananthapuram
12	Junior Superintendent (SA &NO) O/o Additional Principal Chief Conservator of Forests(SA & NO), Thiruvananthapuram	Assistant Conservator of Forests(SA & NO), Thiruvananthapuram
13	Junior Superintendent(Custodian & EFL) O/o Custodian & EFL, Thiruvananthapuram	Assistant Conservator of Forests Thiruvananthapuram
14	Junior Superintendent (Agasthyavanam Biological Park),O/o Chief Conservator of Forests(ABP), Thiruvananthapuram	Assistant Conservator of Forests Thiruvananthapuram
15	Senior Administrative Assistant O/o Chief Conservator of Forest (Southern Circle), Kollam	Technical Assistant to Chief Conservator of Forests (Southern Circle), Kollam
16	Senior Superintendent O/o Conservator of Forests (Social Forestry),Kollam	Assistant Conservator of Forests(Social Forestry),Kollam
17	Senior Administrative Assistant O/o Chief Conservator of Forests(High Range Circle),Kottayam	Technical Assistant to Chief Conservator of Forests (High Range Circle),Kottayam
18	Administrative Assistant O/o Chief Conservator of Forests(Field Director &Project Tiger),Kottayam	Technical Assistant to Chief Conservator of Forests (Field Director &Project Tiger),Kottayam
19	Senior Superintendent O/o Conservator of Forests(Inspection &Evaluation), Kottayam	Conservator of Forests (Inspection & Evaluation),Kottayam
20	Administrative Assistant O/o Conservator of Forests(Social Forestry), Ernakulam	Technical Assistant to Chief Conservator of Forests, (Social Forestry), Ernakulam
21	Administrative Assistant O/o Conservator of Forests(Social Forestry) Kozhikode	Assistant Conservator of Forests (Social Forestry Extension) Kozhikode
22	Senior Administrative Assistant O/o Chief Conservator of Forests (Central Circle), Thrissur	Technical Assistant to Chief Conservator of Forests (Central Circle), Thrissur

Sl. No.	State Public Information Officer & Office	Appellate Authority
23	Senior Administrative Assistant O/ o Additional Principal Chief Conservator of Forests(F, L & R), Kozhikode	Assistant Conservator of Forests (Social Forestry) Kozhikode
24	Senior Superintendent O/o Conservator of Forests(Inspection &Evaluation), Kozhikkode	Conservator of Forests(Inspection & Evaluation), Kozhikkode
25	Senior Administrative Assistant O/o Chief Conservator of Forests(Eastern Circle) Palakkad	Technical Assistant to Chief Conservator of Forests (Eastern Circle) Palakkad
26	Senior Administrative Assistant O/o Chief Conservator of Forests (Northern Circle), Kannur	Technical Assistant to Chief Conservator of Forests (Northern Circle), Kannur
27	Administrative Assistant, O/o Chief Conservator of Forests(Wild Life), Palakkad	Technical Assistant to Chief Conservator of Forests, (Wild Life), Palakkad
28	Forest Veterinary Officer O/o Forest Veterinary Office, Konni	Field Director, Project Tiger, Kottayam
29	Junior Superintendent O/o Deputy director, Project Tiger, Parambikulam Reserve Forest	Deputy Director, Project Tiger, Parambikulam.

Table-56 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- 57-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	311	311	311

Table- 58- Disposal of Information Requested by Public Information Officers

Name of the 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	9	1979	1988	1960	28	0	

Table- 59 Number of Information Request Rejected by Public Information Officers

Name of the 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	28	3	2	0	0	23

Table-60 Disposal of First Appeals by Designated Appellate Authorities

Name of the Department	No. of first Appeals pending with Appellate Officers as on 31-03-2021	No. of first Appeals preferred during the Year 2020-21	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	0	96	96	83	13	13.54%	08

Table- 61-Penalties imposed & Collected

Name of the Department	Penalties imposed in previous year pending for collection	Penalties imposed by Information Commission under Section 20(1)	Total	Details of Penalties Collected
Forest Department	Nil	Nil	Nil	Nil

Table- 62- 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- 63- Summary Costs, Fees & Charges Collected by Public Authorities

Name of the 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
Forest Department	1636	16048	15869	328	896	34777

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 superintendent and two clerks. Senior Finance officer is the head of the audit wing.

10.2 INTERNAL AUDIT

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. As per the Internal Audit observations during the year there are 995 paras are pending in the department since 2000, during the current year 21 paras were dropped. As per the audit observations of the Local Audit Report there are 533 paras are pending in the department from 2010 out of this 92 paras are dropped during the financial year 2020-21. Status of Internal Audit & Local Audit is given below.

Table- 64- Status of Internal Audit paras and compliances during 2020-21

Sl. No.	Name of Office	Number of inspections (Internal audit) conducted	Number of outstanding paras at the end of the financial year
1	Social Forestry Division, Thiruvananthapuram	1	43
2	Divisional Forest office Ranni	1	32

Table- 65- Status of Local Audit paras and compliances during 2020-21

Sl. No.	Name of Office	Number of inspections (Local audit) conducted	Number of outstanding paras at the end of the financial year
1	Silent Valley Wildlife Division	1	8
2	CCF(Wildlife) Palakkad	1	14
3	Peechi Wildlife Division	1	23
4	O/o Dy. Conservation of Forests, Research, North Thrissur	1	3
5	Forest Resource Survey Cell, Thrissur	1	3
6	Agasthyavanam Biological Park, Thiruvananthapuram	1	7
7	Aralam Wildlife Division	1	8
8	Thiruvananthapuram Wildlife Division	1	15
9	O/o Principal Chief Conservator of Forests & Chief Wildlife Warden, Thiruvananthapuram	1	16
10	Periyar West Division	1	8
11	Periyar East Division	1	13
12	Munnar Wildlife Division	1	11
13	Social Forestry Division, Thrissur	1	5
14	Flying Squad Division, Kannur	1	3
15	Social Forestry Division, Kannur	1	8
16	Social Forestry Division,Waynad	1	6
17	Timber Sales Division, Palakkad	1	10
18	Kannur Division	1	14
19	Central Circle, Thrissur	1	8
20	Chalakkudy Division	1	15
21	South Waynad Division	1	13
22	Eastern Circle Palakkad	1	7
23	Thrissur Division	1	13
24	Kasaragod Division	1	19
TOTAL			250

10.3 DETAILS OF COMMITTEE FORMED FOR SPECIAL STUDY IN STATE FOREST DEVELOPMENT AGENCY (SFDA)

As decided in the 11th General Body and 17th Executive Committee of SFDA, Kerala held on 18-09-2020, a Technical Committee for evaluation, acceptance of reports of various studies conducted by the State Forest Development Agency (SFDA), Kerala including carrying capacity studies conducted in ecotourism sites was constituted with the following members.

- 1) Principal Chief Conservator of Forests (Wildlife) : Chairman
& Chief Wildlife Warden, Kerala
- 2) Principal Chief Conservator of Forests : Member
(Forests Management)
- 3) Chief Conservator of Forests (E &TW) & Member : Convener
Secretary, SFDA, Kerala
- 4) Circle Heads Concerned : Member
- 5) Sri. E. Kunhikrishnan, Retired Professor, : Member
University College, Thiruvananthapuram
- 6) Sri. Balasubramanyam, Ecologist, Parambikulam : Member
Tiger Foundation

The Committee shall perform the following functions.

- i. All study reports including to carrying capacity studies of eco-tourism sites entrusted by the SFDA shall be placed before the Technical Committee for evolution and recommend for acceptance
- ii. The Technical Committee shall monitor the conduct of the studies.
- iii. The Technical Committee shall examine all technical matters pertaining to the studies and offer suggestions and advice for the effective conduct of the study.

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/Pand 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 is 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/Pand 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 66 .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
232975	208090	24885	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 12.07.2021 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 67 - Grievance Redressal Cell as on 31.03.2021

Sl No.	Name and Designation	Position in the committee
1	Smt. Khyadhi Mathoor, IFS, Forest Conservator (HRD)	Chairperson
2	Smit. 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 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) which contains information about KFD, serving as a link between the Department and the public.

11.3.1 E- Governanace 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.

11.3.2 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.

11.4 INNOVATIVE PROGRAMMES IMPLEMENTED BY THE DEPARTMENT AND MAJOR ACHIEVEMENTS DURING 2020-21

1. Establishing a Tiger Rehabilitation Centre

Tiger Rehabilitation Centre was proposed to be established at Thrissur. Because of the non-availability of proper space and sufficient fund, the project location was changed. Since Wayanad is the major Tiger conflict area, the project location was shifted to Wayanad by scaling down the project cost. The work is nearing completion.

2. Use of eco-friendly Coir Fibreroot Trainer instead of plastic bag for raising seedlings.

As part of using an eco-friendly bag for raising seedlings, a new type of container namely coir fibre root trainer has been developed for producing seedlings for planting as well as supply to the public. As part of this one lakh seedlings has been raised in coir fibre root trainer. This will be continued and further expanded in the coming years.

3. Project Green Grass

Around 125 waste dumping points were identified and members of the local VSS/ EDC and voluntary services of NSS volunteers of various schools and colleges and NGOs were engaged to remove the plastic waste. This is an ongoing project and is being monitored closely. The help of the Ex-servicemen Society was also utilised for curbing the menace in the Munnar area. Specific orders were issued banning plastic in all the wildlife division. A Coffee Table Book was also published.



A Coffee Table Book on the Green Grass Project of the Kerala Forest Development was released by the Hon. Chief Minister of Kerala Shri. Pinarayi Vijayan. The project is indented to clean garbages piled up at Eco-tourism Centres and Forests areas in Kerala.

4. Conversion of Pulpwood Plantations of Eucalyptus, Acacia etc. to Natural Forests

A High-Level Technical Committee was constituted to provide technical inputs for felling the acacia, eucalyptus and wattle plantations and converting the area to natural forests. Specific emphasis is being given on areas which are disaster – prone, areas under wildlife corridor and riverside areas. Areas have been identified and the procedures are in the final stage. The felling and conversion to natural forests are to be taken up in a phased manner with the final phase to be completed by 2034. Already one project has been approved under NABARD-RIDF and work is underway in Thrissur and another 8 projects are in the pipeline.

5. Establishing Animal Hospice & Palliative Care Unit in Wayanad Division

Human-Wildlife Conflict is the biggest challenge that Forest Department faces today. During the last 10 years, human-wildlife conflict has escalated tremendously in Wayanad and adjoining areas. The wild animals are often get injured due to several reasons like road accidents, being trapped in abandoned well or ditches or in the snare set by the poachers for hunting or by the local people for preventing entry into their farmland. Injured animals have to be rescued for giving them proper treatment. In Wayanad Wildlife Division there is already an existing facility for treatment of injured animals. But this facility is inadequate to take care of these animals for a long period. Hence, it is decided to establish an Animal Hospice and Palliative care unit attached to the existing facility so that the injured animals can be properly housed and treated for a long period. The place identified for establishment of Tiger Rehabilitation Centre (TRC), is the forest land that falls within the territorial jurisdiction of Kurichiat Range of Wayanad Wildlife Division.

In the first phase, it is proposed to develop an animal housing unit and palliative care unit. The construction of animal hospice and palliative care unit (civil structure) are completed. The total estimate amount of the present work is 95.00 lakhs.

6. Prime Minister's Van Dhan Vikas Kendras

13 Van Dhan Vikas Kendras were constituted under Pradhan Mandhris Van Dhan Vikas Kendras (TRIFED aided project) in Wayand district under the administrative control of the District Collector, Wayand.

7. First phase of the Elephant Rehabilitation Centre Inaugurated

The first phase of the International Elephant Rehabilitation Centre at Kotoor Kappukad in Thiruvananthapuram is inaugurated by Hon'ble Chief Minister Shri. Pinarayi Vijayan on 16th February 2021 through online.



8. New Strong Room opened at Kulathupuzha

In order to ensure supply of sandal wood in small quantities and for entities such as temples who do not want to participate in sandal auctions retail sale of sandalwood was started from 25.01.2018. The sandalwood for sale is procured from Marayoor sandal Division. The strong room has a storage capacity of 150 tonnes of sandal wood. An annual sale of around 650 kg is expected in future. Auction sale may be planned in future depending on demand. The strong room is also intended for storing thondy materials of sandal wood collected in nearby Divisions. For the conservation and preservation of sandalwood a new strong room was opened at Kulathupuzha in Kollam district Adv. K Raju, Minister for Forests inaugurated the function 16th January 2021.

AWARENESS AND SOCIAL WELFARE ACTIVITIES CARRIED OUT IN FOREST CIRCLES DURING COVID 19 PANDEMIC DURING 2020-21

I. AGASTHYAVANAM BIOLOGICAL PARK CIRCLE

- **Awareness Campaign-** SFO's and BFO's were given charge of each settlement for reporting difficulties faced by each family/family members during lockdown for providing assistance. Awareness campaigns were carried out in each settlement by keeping social distancing protocols.



- **Support for livelihood** – By market intervention and sale of tribal agricultural produces through VANIKA. Tribals were informed to bring tribal agricultural produces at specified points in each settlement and these produces were procured by forest department by giving the market price. With the help of a whatsapp group forest officers identify the demand and sell the produce. Produce handed over directly to the person who requested the produce. Costs of the produce including transportation charges were levied.
- Department vehicles were provided to tribal people for seeking medical assistance & Supplied of prevention material and groceries to the tribal people.
- **Rural sanitization drive**- Since the lockdown, women in tribal settlements are under distress, as they can't access shops for sanitary napkins and other women hygiene products. The non- availability of these products in nearby shops further intensified the situation. It is in this situation, that the women protective staff took up the call of poor and destitute tribal women and with the help of an NGO they distributed sanitary napkins.

II F.D.P.T CIRCLE, WILDLIFE KOTTAYAM

All the staff and visitors attend the office were used face mask and sanitizer. Hand wash were also provided in wash areas. Thermal scanners were arranged in offices to detect the excess temperature of staff. Social distancing were also maintained. Discouraged use of common dining areas in offices. All staff were vaccinated in due course. COVID 19 protocols were also implemented in all eco-tourism destinations. Awareness classes were conducted in various settlements through Eco Development Committees. The EDCs were actively participated in vaccination camps, medical assistance to tribes etc. Food kits were also supplied to various settlements.



III. WILDLIFE CIRCLE, PALAKKAD

Wildlife Circle Palakkad includes 6 Protected areas managed under Wildlife Divisions namely Parambikulam Tiger Reserve, Wayanad Wildlife Sanctuary, Aralam Wildlife Division, Peechi Wildlife Division and Silent Valley National Park. All the divisions under the Circle were proactive in taking measures to support various line departments as well as the communities living inside forest area, during the period of lock down.

- Ensuring supply of commodities and medicines to remotely located tribal hamlets using the infrastructure of Kerala Forest Department thus minimizing the exposure of vulnerable communities to pandemic situation

- Co-ordinated with Police Excise Civil Supplies, Health Service, Tribal Welfare, Local Self Government department and other department and agencies to successfully reach and serve the Civil society including weaker sections.
- The field level co-ordination with enforcement agencies like Police and Excise were ensured to curb illicit activities.

IV. SOUTHERN CIRCLE, KOLLAM

- Organised community kitchen to feed the poor, marginalised and those are in need of food under Achenkovil division.
- Rendered service in checking passengers at interstate border along with Police and Health officials on 24 x 7 basis and also provides ambulance service on 24 x 7
- Sanitizer & Mask produced in division level and distributed along nearby forest areas and Adivasi colonies
- Essential food items, prevention material are distributed in Kattathi and Kootampara colonies in cooperation with MLA. Medical camp also conducted with help of SC-ST department. Supply of prevention material & grocery items to tribals at Vellathetti locality under Konni division.
- Field staff along with Health official visited all the tribal settlement and fringe area people and conducted awareness activities on Covid-19 and Facilitated supply of Ration through PDS.



V. HIGH RANGE CIRCLE, KOTTAYAM

- Staffs are visiting all the tribal settlements inside and outside forest and other rural and backward areas to check any symptoms of the disease.
- Awareness camps conducted to all VSS members, all tribal colonies and entry of outsiders to colony strictly prevented. Perambulation strengthened against illicit brewing inside forest areas
- The Edamalkkudy tribal settlements were given special attention and all private vehicle movements to the 22 km away colony were stopped as a precautionary measure.
- The FDA printed notices in Malayalam and Tamil languages to give publicity regarding prevention of the pandemic. Staff and vehicles of Department are used to supply of ration kits to tribal colonies.

VI. CENTRAL CIRCLE, THRISSUR

Awareness programme has been carried out regarding social distancing and break the chain campaign in tribal colonies in coordination with Health department. Essential food materials, masks were distributed in various colonies and fringe areas

- **During the COVID pandemic period various precautionary measures have been taken up to prevent spreading of disease among the field staff and in colonies. Intensive illicit brewing raids were conducted during lock down period and seized 275 kg of materials kept for liquor making and case has been booked.**
- Medical camp being conducted by the police departments to the labours camping in zoological park in collaboration with Jubilee mission hospital

VII. EASTERN CIRCLE, PALAKKAD

- Training and Awareness programmes were conducted among staff and tribal colonies in collaboration with Health Department.
- Tourism Activities was decommissioned, Deploying task forces for the supply food and medical care in tribal colonies was also initiated.

VIII. NORTHERN CIRCLE, KANNUR

- Awareness campaign conducted in various tribal colonies under North Wayand Division and South Wayanad Division.
- Inter-state Forest boundary checking along the Kerala-Karnataka State border carried out to check illegal migration.
- Staff of Mananthavady Range helped the Quiet para tribal colony people for purchasing rations. Similar action in South Wayanad Division also.

- Strict checking has been made to prevent the entry of illegal persons through Cholady Interstate Check on the Tamilnadu border.
- Awareness campaign has been conducted by staff in collaboration with Health Department in the tribal colonies under Kannur forest division.
- Kannavam Staff created barricade at 'chandalagate' thus not allowing any vehicle in that road which connect more than 15 tribal colonies. Supplies of ration materials to these tribal colonies were ensured. 1.8 km old forest coupe road passing through Parappa Delampadi was repaired with the help of nearby residents under the leadership of Kasargod Forest Division to overcome the blockade created by Karnataka.

During the outbreak of Covid-19 pandemic, the state imposed complete lock down to the educational institutions and gradually shifted to online classes. The students from the six tribal settlements faced difficulty in attending online classes due to poor network and electricity. PaTCoF took steps to provide Televisions, Channel network connections, Inverter, and batteries to various settlements to facilitate uninterrupted online classes.

Division & Range wise details of Forest Stations

Sl No.	Division	Range	Forest station	
1	Thenmala	Thenmala	1	Kadaman Para
2	Achankovil	Achancovil	2	Kumbhavuruthy
3	Punalur	Pathanapuram	3	Ambanar
			4	Punnala
		Anchal	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			
7	Kothamangalam	Thodupuzha	28	Veloor

Sl No.	Division	Range	Forest station	
8	Munnar	Munnar	29	Pettimudy
		Adimali	30	Machiplavu
			31	Panamkutty
			32	Nagarampara
		Neriyamangalam	33	Inchathotty
			34	Valara
9	Marayoor	Marayoor	35	Marayoor
			36	Nachivayal
		Kanthalloor	37	Kanthalloor
			38	Vannanthura
10	Thrissur	Vadakkancherry	39	Erumapetty
			40	Poongodu
			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	Chalakydy	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
		Edamalayar	72	Ennakkal
73	Perumuzhy			
14	Nemmara	Kollengode	74	Thekkady
		Nelliampathy	75	Nelliampathy
		Alathur	76	Mangalam dam
15	Mannarkkad	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	Pulpally
		Meppady	103	Mundakkai
			104	Vythiri
20	Kozhikode	Peruvannamuzhy	105	Kakkayam
			106	Peruvannamuzhy
21	Munnar WL (Eravikulam)	Eravikulam NP	107	Chattamunnar
		Chinnar WS	108	Kambakkallu
			109	Karimutti
22	Silent Valley	Bhavani	110	Kadavari
			111	Anavai
23	Periyar East	Vallakkadavu	112	Thudukki
			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	Aaralam WL	Aaralam	124	Narikadav

ANNEXURE I (B)

Division wise Number of Range Offices & Check Posts

Sl No.	Division	Range	Forest Check Post		Whether Interstate or not (Y/N)
Southern Circle – Kollam					
1	Thiruvananthapuram	Paruthipally	1	Parassala	Y
2	Thenmala	Thenmala	2	Neduvannurkadavu	N
		Aryankavu	3	Kottavasal(Aryankavu)	Y
3	Punalur	Pathanapuram	4	Karavoor	N
			5	Uppu kuzhi	N
4	Achenkovil	Achenkovil	6	Kottavasal (Achenkovil)	Y
5	Konni	Naduvathumuzhy	7	Njanaval	N
		Mannarappara	8	Mullumala (Temperory)	N
6	Ranni	Ranni	9	Laha(Rajam para)	N
		Goodrical	10	Kochandy	N
		Vadasserikkara	11	Vadasserikkara	N
High Range Circle – Kottayam					
7	Kottayam	Kumily	12	Cumbummettu	Y
		Erumeli	13	Vazhikadavu	N
		Thodupuzha	14	Guruhikkalam	N
9	Munnar	Adimali	15	Panamkutty	N
		Neriyamangalam	16	Thalakkodu	N
		Devikulam	17	Bodimettu	Y
			18	Palar	N
10	Marayoor	Marayoor	19	Chattamunnar	N
		Kanthalloor	20	Pious Nagar	N
Central Circle – Thrissur					
11	Vazhachal	Chapra	21	Vazhachal	N
		Sholayar	22	Malakkappara	Y

Sl No.	Division	Range	Forest station		Whether Interstate or not (Y/N)
12	Malayattoor	Kalady	23	Kadappara	N
		Kuttampuzha	24	Thattekadu	N
		Thundathil	25	Boothathankettu	N
Eastern Circle – Palakkad					
13	Nenmara	Nelliyampathy	26	Pothundi	N
			27	Gopalapuram	Y
		Kollengode	28	Meenakshipuram	Y
14	Mannarkkad	Agali	29	Anakkatty	Y
			30	Keralamedu	Y
		Mannarkkad	31	Anamooly	N
			32	Inchikunnu	N
15	Nilambur (N)	Vazhikkadavu	33	Anamari	Y
16	Nilambur (S)	Karulai	34	Cherupuzha	N
Northern Circle – Kannur					
17	Kannur	Kottiyoor	35	Iritty	Y
18	Kasaragod	Kasargode	36	Thalappady	Y
			37	Kottayadi	Y
		Kanjangad	38	Panathur	Y
19	Wayanad South	Meppadi	39	Choladi	Y
		Kalpetta	40	Lakkidy	N
20	Wayanad North	Peria	41	Niravilpuzha	
			42	Boys Town (Temperory)	
Wildlife Circle					
21	Thiruvananthapuram	Peppara	43	Kanithadam	N
22	Periyar East	Thekkady	44	Thekkady	N
		Periyar	45	Vellimala	N
		Vallakadav	46	Anathodu	N
			47	Vallakkadavu	N
			48	Panchakkanam	N

Sl No.	Division	Range	Forest station		Whether Interstate or not (Y/N)
23	Munnar	Eravikulam National Park	49	Rajamala	N
		Chinnar National Park	50	Chinnar	Y
			51	Karimutti	Y
		Shola National Park	52	Pambadum Shola	Y
			53	Methappu	N
24	Idukki	Idukki	54	Vanmavu	N
		Muthanga	55	Muthanga	Y
			56	Pazhoor	Y
25	Wayanad	Tholpetty	57	Tholpetty	Y
			58	Bavali	Y
		Kurichiyad	59	Kuppady (3rd Mile)	N
26	Parambikulam	Sungam	60	Anappadi	Y
			61	Keerappadi	Y
		Orukomban	62	Thoothampara	N
27	Peechi	Chimmoni	63	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(Head of Forest Force)	pccf.for@kerala.gov.in	0471- 2339593	0471 2338808	9447979002
2	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	9447979009
3	Principal Chief Conservator of Forests (Vigilance& Forest Intelligence)	apccf-vig.for@kerala.gov.in	0471- 2321583	0471 2321583	9447979012
4	Principal Chief Conservator of Forests P & D)	pccf-d.for@kerala.gov.in	0471-2529211	0471 2337538	9447979010
5	Principal Chief Conservator of Forests(FM)	apccf-pro.for@kerala.gov.in	0471- 2327804	0471 2327804	9447979000
6	Additional Principal Chief Conservator of Forests (SF)	pccf-sf.for@kerala.gov.in	0471-2325364	0471 2325364	9447979018
7	Additional Principal Chief Conservator of Forests (FLR)	apccf-nr.for@kerala.gov.in	0495-2418400	0495 2415391	9447979002
8	Additional Principal Chief Conservator of Forests (Administration)	apccf-admin.for@kerala.gov.in	0471- 2338491	0471 2338491	9447979007
9	Chief Conservator of Forests (ED & Tw)	apccf-ed.for@kerala.gov.in	0471- 2321847	0471 2321847	9447979008
10	Chief Conservator of Forests(HRD)	apccf-ihrd.for@kerala.gov.in	0471- 2362291	0471 2362291	9447979011
11	Chief Conservator of Forests W&R)	apccf-wp.for@kerala.gov.in	0471-2529220		9447979003
12	Chief Conservator of Forests (IT)	apccf-fmis.for@kerala.gov.in	0471- 2337548	0471 2337548	9447979005
13	Custodian of EFL	efl-ctdn.for@kerala.gov.in	0471-2529129	9447979016	
14	Chief Conservator of Forests (SA&NO)	ccf-sa.for@kerala.gov.in	0471-2328347	0471 2328347	9447979022
15	Chief Conservator of Forests (TribalMission)	ccf-tm.for@kerala.gov.in	0471-2529129		
16	Chief Conservator of Forests (WP & R)	ccf-wp.for@kerala.gov.in	0471- 2322767	0471 2332556	9447979110
17	Chief Conservator of Forests (TRC, Trivandrum)	ccf-trc.for@kerala.gov.in	0471- 2365989	9447003500	

Sl No.	Designation	Email ID	Phone	Fax	Office Mobile
18	Chief Conservator of Forests (Wildlife), Palakkad	ccf-wl-nr.for@kerala.gov.in	0491- 2556393	0491 2554249	9447979100
19	Chief Conservator of Forests (SF), Kollam	ccf-sf-klm.for@kerala.gov.in	0474- 2750336	0474 2765227	9447979012
20	Conservator of Forests (SF, Ernakulam)	ccf.sfctrl.for@kerala.gov.in	0484- 2331448	0484 2331448	9447979017
21	Chief Conservator of Forests (SF, Kozhikkode)	ccf-sf-n.for@kerala.gov.in	0495- 2418500	0495 2418500	9447979018
22	Chief Conservator of Forests (Southern Circle)	ccf-sc.for@kerala.gov.in	0474- 2742660	04742-742010	9447979030
23	Chief Conservator of Forests (High Range Circle)	ccf-hrc.for@kerala.gov.in	0481- 2312448	0481 2312591	9447979040
24	Chief Conservator of Forests (Central Circle)	ccf-cc.for@kerala.gov.in	0487- 2423189	0487 2423189	9447979050
25	Chief Conservator of Forests (Eastern Circle)	ccf-ec.for@kerala.gov.in	0491- 2555389	0491 2552938	9447979060
26	Chief Conservator of Forests, Northern Circle	ccf-nc.for@kerala.gov.in	0497- 2760394	0497 2704911	9447979070
27	Chief Conservator of Forests, Agasthyavanam Biological Park	ccf-abp.for@kerala.gov.in	0471- 2325385	0471 2325385	9447979080
28	Field Director, Project Tiger	Cf-fdpt.for@kerala.gov.in	0481- 2311740	0481 2311741	9447979090
29	Conservator of Forests (I & E, Northern Region)	cf-ie-nr.for@kerala.gov.in	0495- 2416800	0495- 2416800	9447979120
30	Conservator of Forests (I & E,Southern Region)	cf-ie-sr.for@kerala.gov.in	0481- 2312402	0481 2312402	9447979110
31	Divisional Forest officer, Punalur Division	dfo-pnlr.for@kerala.gov.in	0474- 2222621	9447979034	
32	Divisional Forest officer, Ranni Division	dfo-ranni.for@kerala.gov.in	0476- 5227558	9447979035	
33	Divisional Forest officer, Konni Forest Division	dfo-kni.for@kerala.gov.in	0468- 2242233	0468 2242391	9447979033
34	Divisional Forest officer, Thenmala Division	dfo-then.for@kerala.gov.in	0475- 2344521	9447979037	

Sl No.	Designation	Email ID	Phone	Fax	Office Mobile
35	Divisional Forest officer, Thiruvananthapuram Division	dfotrivandrum@gmail.com	0471- 2320637	9447979038	
36	Divisional Forest officer, Achenkovil Division	dfo.akvl.for@kerala.gov.in	0475- 2342315	9447979032	
37	Divisional Forest officer, Punalur Timber Sales Division	dfo.ts.pnlr.for@kerala.gov.in	0475- 2222617	0475 2222617	9847021389
38	Divisional Forest officer, Thiruvananthapuram Timber Sales Division	dfo-ts-tvm.for@kerala.gov.in	0471- 2360166	0471 2360166	9847021370
39	Divisional Forest officer, Kottayam Division	dfo-ktym.for@kerala.gov.in	0481- 2562276	0481 2562276	9447979043
40	Divisional Forest officer, Mankulam Division	dfo-mklm.for@kerala.gov.in	0486- 4223915	9447979044	
41	Divisional Forest officer, Marayoor Division	dfo-mryr.for@kerala.gov.in	0486- 5252988	9447979047	
42	Divisional Forest officer, Munnar Division	dfo-mnr.for@kerala.gov.in	0486-5264237	04865 264327	9447979045
43	Divisional Forest officer, Kothamangalam Division	dfo-kglm.for@kerala.gov.in	0485- 2822317	0485 2822317	9447979042
44	Divisional Forest officer, Kottayam Timber Sales Division	dfo-ts-ktym.for@kerala.gov.in	0481- 2312008	8547600411	
45	Divisional Forest officer, Thrissur Division	dfo-tsр.for@kerala.gov.in	0487- 2361268	0487 2361268	9447979054
46	Divisional Forest officer, Vazhachal Division	dfo-vzcl.for@kerala.gov.in	0480- 2701713	0480 2701713	9447979055
47	Divisional Forest officer, Chalakudy Division	dfo.clkdy.for@kerala.gov.in	0480- 2701340	9447979052	
48	Divisional Forest officer, Malayattur Division	dfo-mytr.for@kerala.gov.in	0484- 2649052	0484 2649052	9447979053
49	Divisional Forest officer, Timber Sales Division, Perumbavoor	dfo-tspbvr.for@kerala.gov.in	0484- 2522219	0484 2522219	9847021435
50	Divisional Forest officer, Palakkad Division	dfo-plkd.for@kerala.gov.in	0491- 2555156	0491 2555156	9447979067

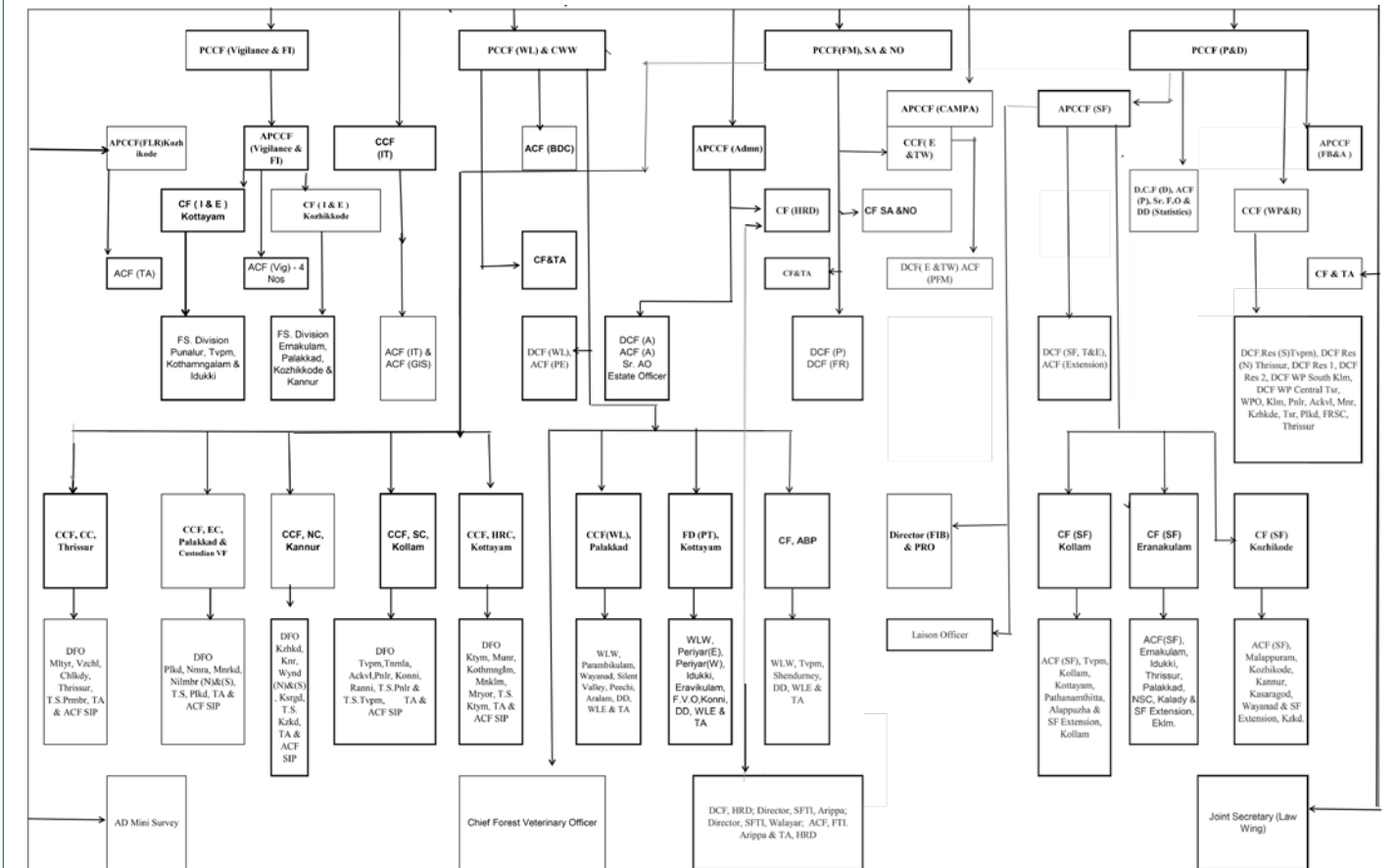
Sl No.	Designation	Email ID	Phone	Fax	Office Mobile
51	Divisional Forest officer, Nemmara Division	dfo-nemmara.for@kerala.gov.in	0492- 3243179	0492 3243179	9447979062
52	Divisional Forest officer, Nilambur (North) Division	dfo-nlbrn.for@kerala.gov.in	0493-1220232	04931 220232	9447979064
53	Divisional Forest officer, Nilambur (South) Division	dfo-nlbfor@kerala.gov.in	0493-1220392	0493 1220392	9447979065
54	Divisional Forest officer, Mannarkad Division	dfo.mnkd.for@kerala.gov.in	0492-4222574	9447979066	
55	Divisional Forest officer, Palakkad Timber Sales Division	dfo-ts-plkd.for@kerala.gov.in	0491- 2555800	9447979175	
56	Divisional Forest officer, Kannur Division	dfo-knr.for@kerala.gov.in	0497- 2704808	0497 2704808	9447979072
57	Divisional Forest officer, Kozhikode Division	dfo.kozh.for@kerala.gov.in	0495- 2374450	0495 2374450	9447979073
58	Divisional Forest officer, Wayanad (North) Division	dfo-wyndn.for@kerala.gov.in	0493- 5240233	04935 246902	9447979074
59	Divisional Forest officer, Wayanad (South) Division	dfo-wynds.for@kerala.gov.in	0493-6203428	04936 2074469	9447979075
60	Divisional Forest officer, Kozhikkode Timber Sales Division	dfo-ts-kzkd.for@kerala.gov.in	0495- 2414702	9447979009	
61	Director, State Forest Training Institute, Aripa	pr.arippa.for@kerala.gov.in	0475- 2312080	9447979171	
62	Director, State Forest Training Institute, Walayar	pr.wlyr.for@kerala.gov.in	0491- 2862260	0491 2862260	9447979172
63	Deputy Director, Periyar Tiger Reserve (East)	dd-ptreast.for@kerala.gov.in	0486-9222027	04869 223750	9447979091
64	Deputy Director, Periyar Tiger Reserve (West)	dd-ptrwest.for@kerala.gov.in	0486-9232010	04869 232010	9447979092
65	Wildlife Warden, Thiruvananthapuram	ww-tvm.for@kerala.gov.in	0471- 2360762		9447979082
66	Wildlife Warden, Idukki	ww-idk.for@kerala.gov.in	0486- 2232271	0486 2232271	9447979094
67	Wildlife Warden, Shendurney	ww-sdny.for@kerala.gov.in	0475- 2344600	9447979081	

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69	Wildlife Warden, Silent Valley National Park	ww-svnp.for@kerala.gov.in	0492- 4222056	0492 4222056	9447979104
70	Deputy Director, Parambikulam Tiger Reserve	ww-pklm.for@kerala.gov.in	0425-3245005		9447979102
71	Wildlife Warden, Wayanad Wildlife Sanctuary	ww-wynd.for@kerala.gov.in	0493-6220454		9447979105
72	Wildlife Warden, Aralam Wildlife Sanctuary	ww-aralam.for@kerala.gov.in	0490- 2493160		9447979101
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75	Deputy Conservator, Research (North) Thrissur	dcf-res-n.for@kerala.gov.in	0487- 2334450	0487 2426915	9447979162
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78	Director, Forestry Information Bureau	dir-fib.for@kerala.gov.in	0471-2320155		9447979200
79	Forest Veterinary Officer, Konni	fvo.for@kerala.gov.in	0468-2242386	0468 2242386	
80	Assistant Director, Forest Mini Survey	asst-dirfms.for@kerala.gov.in	0495-2418820		

KERALA FOREST DEPARTMENT

ORGANISATIONAL CHART 2020-21

Principal Chief Conservator of Forests & Head of Forest Force





Government of Kerala

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