

KERALA FOREST STATISTICS 2022-23



**Government of Kerala
Kerala Forest Department**



KERALA FOREST DEPARTMENT

FOREST STATISTICS

2022-23

PREFACE



PREFACE

Forests in the State of Kerala are incredibly diverse and play a vital role in maintaining ecological balance. Kerala has a wide range of forest types with rich biodiversity and high degree of endemism. Western Ghats, one of the biodiversity hotspots that accounts for the biodiverse wilderness is running all along the eastern boundary of Kerala. Increasing population, change in land use pattern and changing lifestyles of the people are considered some among the factors that exert great pressure on forests. The greatest challenge faced by present day foresters is to strike a balance between developmental needs and conservation.

'Forest Statistics 2022-23' is one such effort by the Statistics Wing of the department, headed by the Deputy Director (Statistics), by collating and providing vital statistical data much needed by the policy makers to formulate future policies. As we delve into the statistics and analysis presented here, we gain a deeper understanding of Kerala's rich natural heritage.

Let this report serve as a guiding light for policy makers, researchers and nature enthusiasts alike as we continue our journey towards sustainable forest management.



Ganga Singh IFS
Principal Chief Conservator of
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KERALA AT A GLANCE

▪ Density (persons/ km ²).....	860
▪ Population (2011 census).....	33406061
▪ Per Capita Land (as per 2011 census)	0.116 ha
▪ Male Population.....	16027412
▪ Female Population	17378649
▪ Rural Population.....	17471135
▪ Urban Population.....	15934926
▪ Scheduled Tribe Population	484839
▪ Scheduled Caste Population.....	3039573
▪ Sex Ratio (female per 1000 male).....	1084
▪ Literacy Rate (Male Literacy-96%, Female Literacy-92%)	94%
▪ Life Expectancy	74.6 year
▪ Regional Language.....	Malayalam
▪ No. of Villages.....	1644
▪ No. of Grama Panchayath.....	941
▪ No. of Block Panchayath	152
▪ No. of District Panchayath.....	14
▪ No. of Municipalities.....	87
▪ No. of Municipal Corporations	6
▪ Highest Peak.....	Anamudi
▪ Longest River	Periyar

KERALA FOREST STATISTICS AT A GLANCE (AS ON 31.3.2023)

▪ Total Forest Area	11531.908 km ²
▪ Total Plantation Area	1400.146 km ²
▪ Total Ecologically Fragile Land (EFL) Area.....	136.990 km ²
▪ Extent of Diverted Forest Land	384.178 km ²
▪ Forest Cover (Forest Survey of India 2023).....	22059 km ²
▪ Tree Cover (Forest Survey of India 2023).....	2905.94 km ²
▪ Mangroves (Forest Survey of India 2023).....	9.45 km ²
▪ Carbon Stock in Forest (Forest Survey of India 2023).....	214.084 million tones
▪ Extent of bamboo bearing area (Forest Survey of India 2023)	2443 km ²
▪ Encroachment	49.746 km ²
▪ Revenue from Forest (in crores)	290.61
▪ Expenditure incurred (in crores)	699.150
▪ Number of Wildlife Sanctuaries.....	18
▪ Number of National Parks.....	6
▪ Number of Community Reserve.....	1
▪ Number of Biosphere Reserve.....	2
▪ Area under Sanctuaries & National Parks	3294.648 km ²
▪ Number of Forest Stations.....	125
▪ Number of Check Posts.....	64
▪ Number of Timbersales Depots	28
▪ Number of Vanasree eco Shops.....	72
▪ Number of Tribal Co-operative Societies	29
▪ Number of Eco-tourism National Park and Wild life Sanctuaries Destination	71

▪ Tourist Arrival in Ecotourism Destinations.....	7120570
▪ Income Generated from Ecotourism Destinations	5714.731 lakhs
▪ Quantity of Major Forest Produce	
▪ Timber.....	15102.023 M ³
▪ Firewood & Billets	5252.628 MT
▪ Sandal Wood	143287.34 kg
▪ Teak Poles.....	8411.453 M ³
▪ Length of Road in charge of Forest Department.....	5079.488 km
▪ Human Wild life incidents during the year under the Report	8873 Nos
▪ Compensation paid to victims of wild life attack.....	1048.86 lakhs
▪ Estimation of some important wild life species	
▪ Elephant (Dung count method-2017)	5706
▪ Tiger (Tiger Census -2022).....	213 (SE 16)
▪ Nilgiri Tahr (Est. population-2023)	803
▪ Number of fire incidents relating to forest fire.....	377
▪ Total destructed area by fire.....	8.39 km ²
▪ No. of seedlings raised by the department.....	1342862 Nos.
▪ No. of seedlings distributed during the year	1342829 Nos.
▪ Plantation under Kerala Forest Development Corporation.....	89.59 km ²
▪ No. of Vana Samrakshana Samithies (VSS).....	427
▪ No. of Eco Development Committies (EDC).....	213

Chapter – I

NATURAL RESOURCE MANAGEMENT

1.1 Introduction

Kerala, nestled within the Western Ghats of India, is renowned for its rich floral diversity. As part of the Western Ghats biodiversity hotspot, the state's forests harbor approximately 4,000 species of flowering plants, including numerous endemic and rare varieties. These forests are broadly classified into tropical wet evergreen, moist deciduous, dry deciduous, and montane shola-grassland ecosystems, each supporting a distinctive assemblage of plant life. Notable species include the Malabar rosewood (*Dalbergia latifolia*), *Cullenia exarillata* and an array of orchids, ferns and mosses. Additionally, Kerala's forests sustain economically significant species such as teak, rubber and a variety of spices, including pepper, cardamom and cinnamon. These forests play a crucial role in maintaining ecological equilibrium by providing essential ecosystem services such as carbon sequestration, water regulation and habitat for diverse wildlife. Preserving these invaluable forest ecosystems is imperative to safeguard the region's floral wealth and ensure environmental sustainability for future generations.

1.2 Flora

Floristic diversity of Kerala

Kerala exhibits an extraordinary floristic diversity, with approximately 5,679 species of flowering plants distributed across 1,500 genera and 229 families. The most dominant plant families include Leguminosae, Poaceae, and Orchidaceae, while prominent genera include Impatiens, Crotalaria and Cyperus. Notably, around 1,700 plant species are endemic to peninsular India. Kerala is home to approximately 855 tree species, many of which exhibit high levels of endemism. Among the exotic species found in the region, *Chromolaena odorata* and *Lantana camara* pose invasive threats, whereas species such as *Ipomoea mauritiana* and *Vitex negundo* hold significant medicinal value. Idukki district, despite lacking coastal or backwater ecosystems, is the most species-rich region in Kerala, hosting an impressive 3,336 taxa. Conversely, Alappuzha district harbors the highest number of aquatic plant species, predominantly grasses. The lowest floristic diversity in terms of flowering plant species has been recorded in Kasaragod district. District-wise number of flowering species is shown below.

Table 1.1
District-wise number of flowering species

District	Number of Species
Thiruvananthapuram	2786
Kollam	2635
Pathanamthitta	2045
Alappuzha	1672
Kottayam	1741
Idukki	3765

District	Number of Species
Ernakulam	2243
Thrissur	2433
Palakkad	3435
Malappuram	2281
Wayanad	2840
Kozhikkode	2192
Kannur	2583
Kasaragod	1708

Source : - KFRI

Natural Forests

Kerala's natural forests are lush and diverse, encompassing tropical wet evergreen, moist deciduous, and dry deciduous ecosystems. These forests serve as vital habitats for a plethora of plant and animal species, playing a fundamental role in ecological balance. They contribute to wildlife conservation, regulate water flow, and enhance overall environmental stability. Sustainable forest management and conservation initiatives are essential to protect Kerala's rich biodiversity and ensure ecological security for future generations.

Forest area

Forests cover approximately 29.67% of Kerala's total geographical area. These include tropical wet evergreen, moist deciduous, and dry deciduous forests, among others.

Total forest area of the State - 11531.908 km²

Table-1.2
Circle-wise forest area

Name of Circle	Area (km ²)
Southern Circle, Kollam	2324.632
High Range Circle, Kottayam	1909.501
Central Circle, Thrissur	1385.527
Eastern Circle, Palakkad	1822.925
Northern Circle, Kannur	1110.541
Agasthyavanam Biological Park	385.616
Field Director (Project Tiger), Kottayam	1297.276
Wildlife Circle, Palakkad	1287.372
Others	8.518
Total area	11531.908

Table-1.3
Division-wise forest area

SI No	Division	Area (km ²)	SI No	Division	Area (km ²)
1	Thiruvananthapuram	372.494	20	Nenmara	361.055
2	Thenmala	148.980	21	Kozhikkode	309.909
3	Achenkovil	285.869	22	Wayanad North	223.822
4	Ranni	911.122	23	Wayanad South	295.228
5	Punalur	274.512	24	Kannur	158.672
6	Konni	331.655	25	Kasargode	122.910
7	Kottayam	663.696	26	Thiruvananthapuram WL	211.980
8	Kothamangalam	318.311	27	Schendurney WL	173.636
9	Munnar	772.217	28	Periyar East (Thekkady)	709.675
10	Mankulam	90.057	29	Periyar West (Peerumedu)	216.000
11	Marayoor	65.220	30	Munnar wildlife	241.077
12	Vazhachal	353.414	31	Idukki wildlife	130.524
13	Chalakkudy	208.011	32	Parambikulam Tiger Reserve	376.900
14	Malayattoor	610.959	33	Wayanad wildlife	344.584
15	Thrissur	213.143	34	Silent Valley wildlife	237.491
16	Mannarkkad	431.322	35	Peechi wildlife	243.017
17	Nilambur North	440.016	36	Aralam wildlife	85.380
18	Nilambur South	326.990	37	Others(NSC Kalady, Mangalavanam, TS KKD, TS PMBVR etc)	8.518
19	Palakkad	263.542		Total forest area - 11531.908 km²	

Table-1.4
Range-wise forest area

SI No	Range	Area (km ²)	SI No	Range	Area (km ²)
1	Kulathupuzha	223.274	16	Mannarappara	129.914
2	Palode	107.838		Konni Division Total	331.655
3	Paruthippally	41.382		Southern Circle Total	2324.632
	Thiruvananthapuram Division Total	372.494	17	Thodupuzha	219.675
4	Aryankavu	74.760	18	Kothamangalam	12.176
5	Thenmala	74.220	19	Kaliyar	49.080
	Thenmala Division Total	148.980	20	Mullaringad	37.380
6	Achenkovil	90.286		Kothamangalam Division Total	318.311
7	Kallar	78.989	21	Munnar	136.361
8	Kanayar	116.594	22	Devikulam	358.642
	Achenkovil Division Total	285.869	23	Adimaly	174.474
9	Ranni	136.295	24	Neriyamangalam	102.740
10	Goodrikkal	505.967		Munnar Division Total	772.217
11	Vadasserikkara	268.860	25	Marayoor	42.561
	Ranni Division Total	911.122	26	Kanthalloor	22.659
12	Anchal	142.509		Marayoor Division Total	65.220
13	Pathanapuram	132.003	27	Mankulam	51.877
	Punalur Division Total	274.512	28	Anakulam	38.180
14	Konni	62.805		Mankulam Division Total	90.057
15	Naduvathamoozhi	138.936	29	Erumely	164.999

SI No	Range	Area (km ²)	SI No	Range	Area (km ²)
30	Ayyappankovil	89.278	45	Edamalayar	170.070
31	Nagarampara	143.800		Malayattoor Division Total	610.959
32	Kumily	265.619	46	Vadakkancherry	56.966
	Kottayam division Total	663.696	47	Pattikkad	82.552
	High Range Circle Total	1909.501	48	Machad	73.625
33	Charpa	59.975		Thrissur Division Total	213.143
34	Vazhachal	90.643		Central Circle Total	1385.527
35	Sholayar	78.350	49	Attappady	171.525
36	Kolathirimedu	29.348	50	Agali	131.876
37	Athirappilly	95.098	51	Mannarkkad	127.921
	Vazhachal Division Total	353.414		Mannarkkad Division Total	431.322
38	Pariyaram	115.383	52	Nilambur	125.410
39	Palappilly	47.327	53	Edavanna	136.691
40	Vellikulangara	45.301	54	Vazhikkadavu	177.914
	Chalakkudy Division Total	208.011		Nilambur (N) Division Total	440.016
41	Kalady	66.337	55	Kalikavu	61.382
42	Kodanad	56.112	56	Karulai	265.608
43	Thundathil	131.400		Nilambur (S) Division Total	326.990
44	Kuttampuzha	187.040	57	Olavakkode	81.413

SI No	Range	Area (km ²)	SI No	Range	Area (km ²)
58	Walayar	144.414	73	Kottiyoor	51.850
59	Ottappalam	37.716	74	Thalipparamba	22.692
	Palakkad Division Total	263.542		Kannur Division Total	158.672
60	Nelliampathy	210.724	75	Kanjangad	60.981
61	Kollamkode	69.854	76	Kasargod	61.929
62	Alathur	80.478		Kasargod Division Total	122.910
	Nenmara Division Total	361.055		Northern Circle Total	1110.540
	Eastern Circle Total	1822.925	77	Kottoor	30.980
63	Peruvannamoozhi	150.613	78	Neyyar	128.000
64	Kuttiady	39.860	79	Peppara	53.000
65	Thamarassery	119.436		Thiruvananthapuram WL Division Total	211.980
	Kozhikode Division Total	309.909	80	Shendurney	173.636
66	Begoor	106.128		Shendurney WL Division Total	173.636
67	Periya	89.819		ABP Circle Total	385.616
68	Mananthavady	27.875	81	Periyar	376.000
	Wayanad North Division Total	223.822	82	Thekkady	99.000
69	Kalpatta	102.887	83	Vallakkadavu	234.675
70	Meppady	116.464		Periyar East Division Total	709.675
71	Chethalayam (Chedleth)	75.876	84	Pampa	66.930
	Wayanad South Division Total	295.227	85	Azhutha	149.070
72	Kannavam	84.130		Periyar West Division Total	216.000

SI No	Range	Area (km ²)	SI No	Range	Area (km ²)
86	Eravikulam National Park	97.000	101	Sulthanbathery	86.028
87	Chinnar Wildlife Sanctuary	90.442		Wayanad WL Division Total	344.584
88	Anamudy Shola NP	7.500	102	Silentvalley NP	143.491
89	Mathikettan Shola NP	12.817	103	Bhavani	94.000
90	Pampadum Shola NP	1.318		Silent Valley Division Total	237.491
91	Kurinjimala Sanctuary	32.000	104	Peechi	125.000
	Munnar WL Division Total	241.077	105	Chimmini	114.597
92	Idukki	105.364	106	Chulannur	3.420
93	Thattekkad	25.160		Peechi Division Total	243.017
	Idukki WL Division Total	130.524	107	Aralam	85.380
	Field Director Project Tiger Circle Total	1297.276		Aralam Division Total	85.380
94	Sunkom	98.620		WL Palakkad Circle Total	1287.372
95	Parambikulam	102.03	108	Timber Sale, Kozhikkode	0.202
96	Orukomban	75.26	109	Timber Sale, Perumbavoor	0.315
97	Karimala	100.990	110	NSC, Kalady	6.226
	Parambikulam Division Total	376.900	111	Mangalavanam Bird Sanctuary	0.027
98	Tholpetty	77.760	112	Social Forestry, Alappuzha	1.748
99	Kurichiat	106.503		Others Total	8.518
100	Muthanga	74.293		GRAND TOTAL	11531.908

Table 1.5**Name of Division/Taluk/Panchayat/Village containing recorded forest area**

SI No	Name of Division	Area (in km ²)	Name of Taluk	Name of Panchayat	Name of Village
1	Thiruvananthapuram	372.494	Punalur	Kulathupuzha	Kulathupuzha
			Kottarakkara	Chithara	Chithara
			Nedumangad	Vithura	Vithura
			Nedumangad	Nedumangad	Nedumangad
			Nedumangad	Aryanad	Aryanad
			Nedumangad	Uzhamalackal	Uzhamalackal
			Nedumangad	Tholicode	Tholicode
			Nedumangad	Nanniyode	Karippur
			Nedumangad	Kallara	Kallara
			Nedumangad	Nanniyode	Karumpuzha
			Nedumangad	Nanniyode	Palode
			Nedumangad	Panavoor	Panavoor
			Nedumangad	Pangode	Pangode
			Nedumangad	Nanniyode	Peringammala
			Nedumangad	Pullampara	Pullampara
			Nedumangad	Thennoor	Thennoor
			Varkala	Pallickal	Pallickal
			Varkala	Madavoor	Madavoor
2	Thenmala	148.980	Punalur	Thenmala	Thenmala
			Punalur	Thenmala	Edamon

SI No	Name of Division	Area (in km ²)	Name of Taluk	Name of Panchayat	Name of Village
	Thenmala Contd...		Punalur	Kulathupuzha	Kulathupuzha
			Punalur	Ariyankavu	Ariyankavu
3	Achenkovil	285.869	Punalur	Ariyankavu	Ariyankavu
			Konni	Aruvappalam	Aruvappalam
4	Punalur	274.512	Pathanapuram	Piravanthoor	Piravanthoor
			Punalur	Thenmala	Edamon
			Punalur	Thenmala	Thenmala
			Pathanapuram	Piravanthoor	Punnala
			Pathanapuram	Pathanapuram	Pathanapuram
			Punalur	Kulathupuzha	Thinkalkarkkom
			Kottarakkara	Chithara	Chithara
			Punalur	Kulathupuzha	Kulathupuzha
			Punalur	Alayamon	Alayamon
			Punalur	Alayamon	Channapetta
			Punalur	Punalur	Punalur
			Punalur	Karavallur	Karavallur
			Punalur	Anchal	Anchal
			Punalur	Eroor	Ayiranallur
			Punalur	Eroor	Eroor
			Punalur	Ariyankavu	Ariyankavu
5	Konni	331.655	Konni	Aruvappalam	Aruvappalam

SI No	Name of Division	Area (in km ²)	Name of Taluk	Name of Panchayat	Name of Village
	Konni Contd...		Konni	Malayalapuzha	Malayalapuzha
			Konni	Thannithodu	Thannithodu
			Konni	Konni	Iravon, Konni
			Konni	Konni, Malayalapuzha, Thannithode	Konnithazham
			Konni	Kalanjoor	Koodal
6	Ranni	911.122	Ranni	Vadasserikkara	Vadasserikkara
			Ranni	Thannithodu	Thannithodu
			Ranni	Ranni Angadi	Ranni Angadi
			Ranni	Ranni-Perunad, Narana- moozhy	Kollamula
			Malappally	Kottangal	Kottangal
			Ranni	Ranni,Pazhavanga- di,Vechuchira	Chethakal
			Malappally	Kottanadu	Perumpatty
			Ranni	Naranamoozhy	Athikayam
			Ranni	Ranni	Ranni
			Ranni	Ranni-Perunad	Perunad
			Ranni	Naranamoozhy, Ranni -Pazhavangadi	Ranni- Pazhavangadi
			Ranni	Chittar, Ranni	Chittar
			Ranni	Seethathodu, Ranni	Seethathodu
7	Kottayam	663.696	Idukki	Kanchiyar	Kanchiyar
			Idukki	Ayyappancoil	Ayyappancoil
			Idukki	Vazhathoppu	Idukki

SI No	Name of Division	Area (in km ²)	Name of Taluk	Name of Panchayat	Name of Village
	Kottayam Contd...		Idukki	Idukki, Kanjikuzhy	Kanjikuzhy
			Kanjirappally	Koruthodu,Mundakkayam	Erumely (N)
			Kanjirappally	Erumely	Erumely (S)
			Kanjirappally	Koruthodu	Koruthodu
			Kanjirappally	Manimala	Manimala
			Kanjirappally	Koottikkal	Koottikkal
			Kottayam	Arppukkara	Perumbaikkad
			Meenachil	Kidangoor	Kidangoor
			Peerumedu	Upputhara	Upputhara
			Peerumedu	Elappara,Peermed, Vandiperiyar	Elappara
			Peerumedu	Elappara	Vagamon
			Peerumedu	Kokkayar	Kokkayar
			Peerumedu	Peermed,Vandiperiyar	Manchumala
			Peerumedu	Kumily, Peruvanthanam	Mlappara
			Peerumedu	Peerumed,Vandiperiyar	Peerumedu
			Peerumedu	Peruvanthanam	Peruvanthanam
			Thodupuzha	Arakkulam	Arakkulam
			Vaikom	Velloor	Velloor
8	Kothamangalam	318.311	Kothamangalam	Kothamangalam	Kothamangalam
			Kothamangalam	Eramalloor	Ezhupunna
			Kothamangalam	Pindimana	Pindimana

SI No	Name of Division	Area (in km ²)	Name of Taluk	Name of Panchayat	Name of Village
	Kothamangalam Contd...		Kothamangalam	Keerampara	Keerampara
			Kothamangalam	Pallarimangalam	Kuttamangalam
			Kothamangalam	Neryamangalam, kavalangad	Neryamangalam
			Kothamangalam	Pindimana	Thrikkariyoor
			Kothamangalam	Paingotoor	Kadavoor
			Kunnathunad	Asamannoor	Asamannoor
			Kunnathunad	Rayamangalam	Perumbavoor
			Kunnathunad	Rayamangalam	Rayamangalam
			Kunnathunad	Aikkaranadu, Poothrikka	Aikkaranaadu (s)
			Kunnathunad	Vadavukode, Puthenkuriz	Puthenkuriz
			Kunnathunad	Thiruvaniyoor	Thiruvaniyoor
			Kunnathunad	Vadavukod, Puthenkuriz	Vadavukod
			Kanayannoor	Amballoor	Amballoor
			Kanayannoor	Edakkattuvayal	Edakkattuvayal
			Kanayannoor	Mulamthuruthi	Mulamthuruthi
			Muvattupuzha	Arakkuzha	Arakuzha
			Muvattupuzha	Elanji	Elanji
			Muvattupuzha	Koothattukulam	Koothattukulam
			Muvattupuzha	Maneed	Maneed
			Muvattupuzha	Manjalloor	Manjalloor
			Muvattupuzha	Maradi	Maradi

SI No	Name of Division	Area (in km ²)	Name of Taluk	Name of Panchayat	Name of Village
	Kothamangalam Contd...		Muvattupuzha	Ramamangalam	Memuri
			Muvattupuzha	Payipra	Mulavoor
			Muvattupuzha	Avoli	Muvattupuzha
			Muvattupuzha	Pambakkuda	Onakkoor
			Muvattupuzha	Palakkuzha	Palakkuzha
			Muvattupuzha	Piravom	Piravom
			Muvattupuzha	Thirumaradi	Thirumaradi
			Muvattupuzha	Valakam	Valakam
			Muvattupuzha	Paipra	Vellorkkunnam
			Muvattupuzha	Pothanikkad	Pothanikkad
			Muvattupuzha	Ayavana	Enanalloor
			Muvattupuzha	Kaloorkadu	Kaloorkadu
			Thodupuzha	Arakkulam	Arakkulam
			Thodupuzha	Kudayathoor	Kudayathoor
			Thodupuzha	Velliyamattom, Kudayathur	Velliyamattom
			Thodupuzha	Alakkode	Alakkode
			Thodupuzha	Udumbanoor	Udumbanoor
			Thodupuzha	Alakkode	Karimannoor
			Thodupuzha	Edavetty	Karikkodu
			Thodupuzha	Muttom	Muttom
			Thodupuzha	Karimkunnam	Karimkunnam

SI No	Name of Division	Area (in km ²)	Name of Taluk	Name of Panchayat	Name of Village
	Kothamangalam Contd...		Thodupuzha	Purappuzha	Purappuzha
			Thodupuzha	Manakkad	Manakkad
			Thodupuzha	Kudayathoor	Elappally
			Thodupuzha	Kumaramangalam,Thodu- puzha	Kumaramangalam
			Thodupuzha	Karimkunnam	Thodupuzha
			Thodupuzha	Kodikkulam	Kodikkulam
			Idukki	Idukki, Kanjikkuzhy	Kanjikkuzhi
			Idukki	Idukki	Vazhathope
9	Munnar	772.217	Devikulam	Pallivasal	Anaviratty
			Devikulam	Munnar,Devikulam	Kannan Devan Hills
			Devikulam	Munnar, Devikulam	Munnar
			Devikulam	Vellathooval	Vellathooval
			Devikulam	Pallivasal	Pallivasal
			Devikulam	Adimaly	Mannamkandam
			Devikulam	Vellathooval	Kunjithanny
			Udumbanchola	Chinnakanal	Chinnakanal
			Udumbanchola	Kanthippara	Kanthippara
			Udumbanchola	Santhanpara	Pooppara
			Udumbanchola	Byson Valley	Bison Valley
			Udumbanchola	Rajakkad	Rajakkad
			Udumbanchola	Rajakumari	Rajakumari

SI No	Name of Division	Area (in km ²)	Name of Taluk	Name of Panchayat	Name of Village
	Munnar Contd...		Udumbanchola	Santhanpara	Santhanpara
			Udumbanchola	Udumbanchola, Senapathy	Chathuranganpara
			Udumbanchola	Udumbanchola	Udumbanchola
			Idukki	Idukki, Kanjikuzhy	Kanjikuzhy
			Idukki	Konnathady	Konnathady
			Devikulam	Vattavada	Vattavada
			Kothamangalam	Kuttampuzha	Kuttampuzha
			Kothamangalam	Kavalangad	Neriamangalam
			Devikulam	Mankulam	Mankulam
10	Mankulam	90.057	Devikulam	Mankulam	Mankulam
11	Marayoor	65.220	Devikulam	Marayoor	Marayoor
			Devikulam	Kanthalloor	Kanthalloor
			Devikulam	Kanthalloor	Keezhanthoor
12	Vazhachal	353.414	Chalakudy	Athirappilly	Athirappilly
			Aluva	Ayyampuzha	Ayyampuzha
			Aluva	Karukutty	Karukutty
13	Chalakudy	208.011	Mukundapuram	Trikkur	Trikkur
			Mukundapuram	Trikkur	Kallur
			Chalakkudy	Varandarappilly	Varandarappilly
			Chalakkudy	Athirappilly	Pariyaram
			Chalakkudy	Athirappilly	Athirappilly

SI No	Name of Division	Area (in km ²)	Name of Taluk	Name of Panchayat	Name of Village
	Chalakkudy Contd...		Chalakkudy	Kodassery	Kuttichira
			Chalakkudy	Kodassery	Kodassery
			Chalakkudy	Mattathur	Vellikulangara
			Chalakkudy	Mattathur	Mattathur
			Chalakkudy	Kodakara	Kodakara
			Chalakkudy	Varandarappilly	Mupliyam
14	Malayattoor	610.959	Kunnathunad	Vengoor	Vengoor
			Kothamangalam	Kottappady	Kottappady
			Kothamangalam	Pindimana	Pindimana
			Kothamangalam	Kuttampuzha	Kuttampuzha
			Kunnathunad	Vengoor	Kombanad
			Aluva	Ayyampuzha	Ayyampuzha
			Aluva	Malayattoor - Neeleswaram	Malayattoor
			Aluva	Kalady	Kalady
			Chalakkudy	Athirappilly	Athirappilly
15	Thrissur	213.143	Thrissur	Thrissur Municipality	Viyyur
			Thrissur	Madakkathara	Madakkakathara
			Thrissur	Madakkathara	Kurichikkara
			Thrissur	Panachery	Panachery
			Thrissur	Panachery	Peechi
			Thrissur	Puthur	Puthur

SI No	Name of Division	Area (in km ²)	Name of Taluk	Name of Panchayat	Name of Village
	Thrissur Contd...		Thrissur	Puthur	Mannamangalam
			Thrissur	Mulamkunnathukavu	Killanur
			Thrissur	Madakkakathara	Vellanikkara
			Thrissur	Nadathara	Mulayam
			Chavakkad	Ormanayoor	Ormanayoor
			Kunnamkulam	Velur	Velur
			Kunnamkulam	Velur	Thayyur
			Kunnamkulam	Velur	Kiralur
			Kunnamkulam	Erumappetty	Nelluvai
			Kunnamkulam	Velur	Kariyannur
			Kunnamkulam	Kadangode	Kadangode
			Kunnamkulam	Porkulam	Mangad
			Thalappilly	Thiruvilwamala	Kaniyarkkode
			Thalappilly	Pampady	Pampady
			Thalappilly	Thiruvillwamala	Thiruvillwamala
			Thalappilly	Pazhayannur	Elanad
			Thalappilly	Pazhayannur	Vennur
			Thalappilly	Pazhayannur	Vadakkethara
			Thalappilly	Pazhayannur	Pazhayannur
			Thalappilly	Kondazhy	Kondazhy
			Thalappilly	Kondazhy	Mayannur

SI No	Name of Division	Area (in km ²)	Name of Taluk	Name of Panchayat	Name of Village
	Thrissur Contd...		Thalappilly	Chelakkara	Chelakkara
			Thalappilly	Chelakkara	Thonnurkkara
			Thalappilly	Chelakkara	Pulakode
			Thalappilly	Chelakkara	Kurumala
			Thalappilly	Chelakkara	Pangarappilly
			Thalappilly	Wadakkanchery Municipality	Kumaranellur
			Thalappilly	Erumapetty	Kanjirakkode
			Thalappilly	Wadakkanchery Municipality	Wadakkanchery
			Thalappilly	Wadakkanchery Municipality	Parlikkad
			Thalappilly	Desamangalam	Desamangalam
			Thalappilly	Panjai	Panjai
			Thalappilly	Panjai	Paimkulam
			Thalappilly	Chelakkara	Venganellur
			Thalappilly	Panjai	Killimangalam
			Thalappilly	Vallathol Nagar	Cheruthuruthy
			Thalappilly	Vallathol Nagar	Nedumpura
			Thalappilly	Varavoor	Varavoor
			Thalappilly	Varavoor	Pilakode
			Thalappilly	Thekkumkara	Thekkumkara
			Thalappilly	Thekkumkara	Manalithara
			Thalappilly	Mullurkara	Mullurkara

SI No	Name of Division	Area (in km ²)	Name of Taluk	Name of Panchayat	Name of Village
	Thrissur Contd...		Thalappilly	Mullurkara	Attur
			Thalappilly	Wadakkanchery Municipality	Enkakkad
			Thalappilly	Thekkumkara	Karumathra
			Thalappilly	Thekkumkara	Viruppakka
			Thalappilly	Wadakkanchery Municipality	Mundathikkode
			Thalappilly	Wadakkanchery Municipality	Puthuruthy
			Thalappilly	Wadakkanchery Municipality	Minalur
			Thalappilly	Desamangalam	Arangottukara
			Thalappilly	Desamangalam	Thalassery
			Thalappilly	Varavoor	Thichoor
			Thalappilly	Erumapetty	Kottappuram
			Thalappilly	Erumapetty	Chittanda
			Thalappilly	Kondazhy	Chelakkode
16	Mannarkkad	431.322	Mannarkkad	Thachampara	Thachampara
			Mannarkkad	Karimba	Karimba-1
			Mannarkkad	Karimba	Karimba-2
			Mannarkkad	Alanallur	Alanallur-1
			Mannarkkad	Alanallur	Alanallur-2
			Mannarkkad	Alanallur	Alanallur-3
			Mannarkkad	Kottooppadam	Kottooppadam-1
			Mannarkkad	Kottooppadam	Kottooppadam-2

SI No	Name of Division	Area (in km ²)	Name of Taluk	Name of Panchayat	Name of Village
	Mannarkkad Contd...		Mannarkkad	Kottoppadam	Kottoppadam-3
			Mannarkkad	Thachanattukara	Thachanattukara1
			Mannarkkad	Thachanattukara	Thachanattukara2
			Mannarkkad	Karimba, Thachampara, Kanjirampuzha, Thenkara	Palakkyam
			Mannarkkad	Thenkara	Mannarkkad-1
			Mannarkkad	Thenkara	Mannarkkad-2
			Mannarkkad	Karakurussy	Karakurussy
			Attappady	Agali	Agali
			Attappady	Agali	Kallamala
			Attappady	Puthur	Puthur
			Attappady	Kottathara	Kottathara
			Attappady	Sholayur	Sholayur
17	Nilambur North	440.016	Nilambur	Karulai	Nilambur
			Nilambur	Chunkathara	Chunkathara
			Nilambur	Chaliyar	Kurmbalangode
			Nilambur	Pothukallu	Pothukallu
			Nilambur	Vazhikkadavu	Vazhikkadavu
			Nilambur	Chaliyar	Akampadam
			Nilambur	Chaliyar, Mambad	Pulippadam
			Nilambur	Edakkara	Edakkara
			Nilambur	Moothedam	Moothedam

SI No	Name of Division	Area (in km ²)	Name of Taluk	Name of Panchayat	Name of Village
	Nilambur North Contd...		Eranad	Urangattiri	Urangattiri
			Eranad	Urangattiri	Vetilappara
			Eranad	Edavanna	Perakaamanna
			Eranad	Edavanna	Edavanna
			Thirurangadi	Kannamangalam	Kannamangalam
18	Nilambur South	326.990	Nilambur	Kurumbilangode	Moothedam
			Nilambur	Moothedam	Karulai
			Nilambur	Amarambalam	Amarambalam
			Nilambur	Chokkad	Chokkad
			Nilambur	Kalikkavu	Kalikkavu
			Perinthalmanna	Edapatta	Edapatta
			Perinthalmanna	Keezhattur	Keezhattur
			Perinthalmanna	Vettathur	Karyavattam
			Perinthalmanna	Vettathur, Perinthalmanna Municipality	Vettathur
			Perinthalmanna	Thazhekodde	Arakkuparamba
			Perinthalmanna	Thazhekodde	Thazhekodde
			Perinthalmanna	Mankada	Mankada
19	Palakkad	263.542	Palakkad	Keralasseri	Keralasseri
			Palakkad	Kongad	Kongad 1
			Palakkad	Kongad	Kongad 2
			Palakkad	Mankara	Mankara

SI No	Name of Division	Area (in km ²)	Name of Taluk	Name of Panchayat	Name of Village
	Palakkad Contd...		Palakkad	Mannur	Mannur
			Palakkad	Mundur	Mundur 1
			Palakkad	Mundur	Mundur 2
			Palakkad	Parali	Parali 1
			Palakkad	Parali	Parali 2
			Palakkad	Pirayiri	Pirayiri
			Palakkad	Puthupariyaram	Puthupariyaram 1
			Palakkad	Puthupariyara	Puthupariyaram 2
			Palakkad	Akathethara, Malampuzha	Akathethara
			Palakkad	Elappully	Elappully 1
			Palakkad	Pudussery	Pudussery East
			Palakkad	Pdussery	Pudussery West
			Palakkad	Pudussery	Pudussery Central
			Palakkad	Malampuzha	Malampuzha 1
			Palakkad	Malampuzha	Malampuzha 2
			Ottapalam	Ambalapara	Ambalapara 1
			Ottapalam	Ambalapara	Ambalapara 2
			Ottapalam	Anaganadi	Anaganadi
			Ottapalam	Chalavara, Ottappalam	Chalavara
			Ottapalam	Cherpulassery	Cherpulassery
			Ottapalam	Kadampuzhipuram	Kadampuzhipuram 1

SI No	Name of Division	Area (in km ²)	Name of Taluk	Name of Panchayat	Name of Village
	Palakkad Contd...		Ottapalam	Kadampuzhipuram	Kadampuzhipur- am 2
			Ottapalam	Karimpuzha	Karimpuzha 2
			Ottapalam	Nellaya	Nellaya
			Ottapalam	Shornur Municipality	Shornur 1
			Ottapalam	Shornur Municipality	Shornur 2
			Ottapalam	Sreekrishnapuram	Sreekrishnapur- am 1
			Ottapalam	Sreekrishnapuram	Sreekrishnapur- am 2
			Ottapalam	Pookottukavu, Sreekrish- napuram	Pookottukavu
			Ottapalam	Thrikadeeri	Thrikadeeri 1
			Ottapalam	Vellenezhi	Vellenezhi
			Pattambi	Kulukkallur	Kulukkallur
			Pattambi	Nagalassery	Nagalassery
			Pattambi	Koppam	Koppam
			Pattambi	Ongallur	Ongallur 1
			Pattambi	Ongallur	Ongallur 2
			Pattambi	Ottappalam	Vallapuzha
20	Nenmara	361.055	Alathur	Kizhakkanchery	Kizhakkanchery 1
			Alathur	Kizhakkanchery	Kizhakkanchery 2
			Alathur	Vandazhi	Vandazhi 1
			Alathur	Vandazhi	Vandazhi 2
			Alathur	Vadakkanchery	Vadakkanchery 1

SI No	Name of Division	Area (in km ²)	Name of Taluk	Name of Panchayat	Name of Village
	Nenmara Contd...		Alathur	Vadakkanchery	Vadakkanchery 2
			Alathur	Kannambra	Kannambra 1
			Alathur	Kannambra	Kannambra 2
			Alathur	Puthukode	Puthukode
			Alathur	Alathur	Alathur
			Alathur	Melarcod	Melarcod
			Alathur	Kottayi	Kottayi 1
			Alathur	Kottayi	Kottayi 2
			Alathur	Mathur	Mathur 1
			Alathur	Mathur	Mathur 2
			Alathur	Erimayur	Erimayur 1
			Alathur	Erimayur	Erimayur 2
			Alathur	Kavassery	Kavassery 1
			Alathur	Kavassery	Kavassery 2
			Alathur	Kuzhalmannam	Kuzhalmannam 1
			Alathur	kuzhalmannam	Kuzhalmannam 2
			Alathur	Thenkurissi	Thenkurissi 1
			Alathur	Thenkurissi	Thenkurissi 2
			Alathur	Kuthannur	Kuthannur 1
			Alathur	Kuthannur	Kuthannur 2
			Alathur	Tarur	Tarur 1

SI No	Name of Division	Area (in km ²)	Name of Taluk	Name of Panchayat	Name of Village
	Nenmara Contd...		Alathur	Tarur	Tarur 2
			Alathur	Vandazhy	Mangalamdam
			Alathur	Peringottukurisi	Peringottukurisi 1
			Chittur	Peringottukurisi	Peringottukurisi 2
			Chittur	Muthalamada	Muthalamada 1
			Chittur	Muthalamada	Muthalamada 2
			Chittur	Nelliyampathy	Nelliyampathy
			Chittur	Kollengode	Kollengode 1
			Chittur	Kollengode	Kollengode 2
			Chittur	Pallassena	Pallassena
			Chittur	Koduvayur	Koduvayur 2
			Chittur	Nenmara	Nenmara
			Chittur	Nenmara	Vallanghy
			Chittur	Ayilur	Thiruvazhiyad
			Chittur	Ayilur	Kairady
			Chittur	Elavanchery	Elavanchery
			Chittur	Ayilur	Ayilur
21	Kozhikode	309.909	Kozhikode	Cheruvannur Perambra	Cheruvannur
			Kozhikode	Kadalundi	Kadalundi
			Thirurangadi	Thiruvangadi	Vallikkunnu
			Kozhikode	Kappar	Kumaranallur

SI No	Name of Division	Area (in km ²)	Name of Taluk	Name of Panchayat	Name of Village
	Kozhikode Contd...		Kozhikode	Kodiyuthur	Kodiyuthur
			Kozhikode	Thazhekode	Thazhekode
			Thamarassery	Thamarassery	Raroth
			Thamarassery	Thamarassery	Kedavur
			Thamarassery	Puthuppadi	Engapuzha
			Thamarassery	Puthuppadi	Puthuppadi
			Thamarassery	Koduvally	Kodanchery
			Thamarassery	Kodencherry	Nellipoyil
			Thamarassery	Thiruvampadi	Thiruvampadi
			Thamarassery	Koodaranji	Koodaranji
			Thamarassery	Panangod	Kanthalad
			Koyilandi	Koorachundu	Kayanna
			Koyilandi	Chakkittappara	Chakkittappara
			Vadakara	Chakkittappara	Chempanoda
			Vadakara	Kavilumpara	Kavilumpara
			Vadakara	Maruthonkara	Maruthonkara
			Vadakara	Naripetta	Thinoor
			Vadakara	Valayam	Valayam
			Vadakara	Chekkiad	Chekkiad
			Vadakara	Vanimel	Vilangad
			Vadakara	Kayakkodi	Kayakkodi

SI No	Name of Division	Area (in km ²)	Name of Taluk	Name of Panchayat	Name of Village
	Kozhikode Contd...		Koyilandi	Koorachundu	Koorachundu
			Thamarassery	Kattippara, Koduvally	Kattippara
22	Wayanad North	223.822	Mananthavady	Thodarnadu, Mananthavadi	Thodarnadu
			Mananthavady	Thavinjal	Velad
			Mananthavady	Thavinjal	Thavinjal
			Mananthavady	Thavinjal	Periya
			Mananthavady	Thirunelly	Thirunelly
			Mananthavady	Mananthavady	Mananthavady
			Mananthavady	Panamaram	Panamaram
			Mananthavady	Vellamunda	Porunannur
			Mananthavady	Thodarnadu	Kanjirangad
			Mananthavady	Edavaka	Nallurnadu
			Mananthavady	Panamaram	Cheerukattoor
			Mananthavady	Panamaram	Anjukunnu
			Mananthavady	Mananthavadi	Payyampally
			Mananthavady	Thirunelly	Trissilery
			Mananthavady	Vellamunda	Vellamunda
23	Wayanad South	295.227	Sulthan Bathery	Nenmeni	Nenmeni
			Sulthan Bathery	Ambalavayal	Thomattuchal
			Sulthan Bathery	Poothadi	Poothadi
			Sulthan Bathery	Mullankolli, Pulpally	Padichira

SI No	Name of Division	Area (in km ²)	Name of Taluk	Name of Panchayat	Name of Village
	Wayanad South Contd...		Sulthan Bathery	Pulppally	Pulpally
			Sulthan Bathery	Poothadi	Irulam
			Sulthan Bathery	Meenangadi	Krishnagiri
			Sulthan Bathery	Meenangadi	Purakkady
			Sulthan Bathery	Kaniampetta, Poothadi, Panamaram, Pulpally	Nadavayal
			Vythiri	Kalpetta	Kalpetta
			Vythiri	Meppadi, Muppainadu	Kottappady
			Vythiri	Vythiri	Kunnathidavaka
			Vythiri	Vythiri	Chundel
			Vythiri	Muttil	Muttil South
			Vythiri	Muppainadu	Muppainadu
			Vythiri	Meppadi	Vellarimala
			Vythiri	Meppadi, Muppainadu	Thrikkaipetta
			Vythiri	Pozhuthana	Achooranam
			Vythiri	Pozhuthana	Padinjarathara
			Vythiri	Pozhuthana	Thariode
			Vythiri	Pozhuthana	Pozhuthana
			Mananthavady	Pozhuthana	Panamaram
24	Kannur	158.672	Thaliparamba	Pozhuthana	Naduvil
			Thaliparamba	Pozhuthana	Payyavoor
			Thaliparamba	Pozhuthana	Eruvassy

SI No	Name of Division	Area (in km ²)	Name of Taluk	Name of Panchayat	Name of Village
	Kannur Contd...		Thaliparamba	Chaparapadavu	Thimiri
			Payyanur	Cherupuzha	Vayakkara
			Thalassery	Thalassery Municipality	Thalassery
			Thalassery	Thalassery Municipality	Thiruvangad
			Thalassery	Pinarayi	Pinarayi
			Thalassery	Dharmadam	Dharmadam
			Thalassery	Eranjoli	Eranjoli
			Thalassery	Maloor	Tholambra
			Thalassery	Chittariparamba	Kannavam
			Thalassery	Chittariparamba	Mananthery
			Thalassery	Kolayad	Kolayad
			Thalassery	Pattiam	Cheruvanchery
			Thalassery	Thrippangottur	Thrippangottur
			Iritty	Peravoor	Vellarvally
			Iritty	Peravoor	Manathana
			Iritty	Kelakam	Kelakam
			Iritty	Kanichar	Kanichar
			Iritty	Kottiyoor	Kottiyoor
			Iritty	Kolari	Kolari
			Iritty	Aralam, Iritty	Aralam, Iritty
			Iritty	Ayyankunnu	Ayyankunnu

SI No	Name of Division	Area (in km ²)	Name of Taluk	Name of Panchayat	Name of Village
25	Kasargod	122.910	Vallarikundu	Balal	Maloth
			Vallarikundu	West Elery	Panathady
			Vallarikundu	West Elery	West Elery
			Vallarikundu	East Elery	Chittarikkal
			Vallarikundu	East Elery	Palavayal
			Vallarikundu	Balal	Balal
			Vallarikundu	Kallar	Kallar
			Vallarikundu	Balal, Kinanoor, Karindalam	Parappa
			Vallarikundu	West Elery	Bheemanadi
			Hosdurg	Cheruvathur	Cheruvathur
			Hosdurg	Cheruvathur	Thuruthi
			Hosdurg	Valiaparamba	South Thrikkarip- poor
			Manjeswaram	Enmakaje	Enmakaje
			Kasaragod	Delampady	Delampady
			Kasaragod	Karadukka	Karadukka
			Kasaragod	Muliyar	Muliyar
			Kasaragod	Delampady	Adoor
			Kasaragod	Kuttikol	Bandadukka
26	Wildlife Division Thiruvananthapuram	211.980	Kattakada	Kuttichal	Mannoorkara
			Nedumangad	Aryanad	Aryanad
			Nedumangad	Vithura	Vithura

SI No	Name of Division	Area (in km ²)	Name of Taluk	Name of Panchayat	Name of Village
	Wildlife Division Thiruvananthapuram		Kattakada	Kallikkadu	Kallikkadu
			Kattakada	Vellarada	Amboori
			Kattakada	Kallikkad	Vazhichal
27	Wildlife Division Shendurney	173.636	Punalur	Aryankavu	Aryankavu
			Punalur	Kulathupuzha	Kulathupuzha
			Punalur	Thenmala	Thenmala
28	Wildlife Division Munnar	241.077	Devikulam	Devikulam, Munnar	Kannan Devan Hill
			Devikulam	Munnar	Munnar
			Devikulam	Vattavada	Vattavada
			Devikulam	Vattavada	Kottakamboor
			Devikulam	Kanthalloor	Keezhanthoor
			Devikulam	Kanthalloor	Kanthalloor
			Devikulam	Marayoor	Marayoor
			Udumbanchola	Santhampara	Pooppara
29	Periyar East	709.675	Peerumede	Kumily	Kumily
			Peerumede	Kumily	Periyar
			Peerumede	Vandiperiyar	Manjumala
			Peerumede	Kumily, Peruvanthanam	Mlapara
30	Periyar West	216.000	Peerumede	Kumily, Peruvanthanam	Mlapara
			Peerumede	Peruvanthanam	Peruvanthanam
			Kanjirapally	Erumely	Erumely South

SI No	Name of Division	Area (in km ²)	Name of Taluk	Name of Panchayat	Name of Village
	Periyar West Contd...		Konni	Seethathodu, Ranni	Seethathodu
			Ranni	Perunad	Perunad
31	Idukki Wildlife Division	130.524	Peerumede	Elappara	Vagamon
			Peerumede	Upputhara, Kattappana	Upputhara
			Idukki	Ayyappancovil	Ayyappancovil
			Idukki	Kanchiyar	Kanchiyar
			Idukki	Vazhathoppe	Idukki
			Thodupuzha	Arakkulam	Arakkulam
			Kothamangalam	Kuttampuzha	Kuttampuzha
32	Parambikulam Tiger Reserve	376.900	Chittur	Muthalamada	Muthalamada 1
			Mukundapuram	Mattathoor	Mattathoor
			Mukundapuram	Pariyaram	Pariyaram
33	Wayanad Wildlife Division	344.584	Sulthan Bathery	Nenmeni	Nenmeni
			Sulthan Bathery	Noolpuzha	Kidanganad
			Sulthan Bathery	Noolpuzha	Noolpuzha
			Mananthavady	Thirunelly	Thirunelly
			Mananthavady	Thirunelly	Thrissillery
34	Silent Valley Division	237.491	Attapady Tribal Taluk	Agaly	Kallamala
			Attapady Tribal Taluk	Pudur	Padavayal
			Mannarkkad	Thachanpara	Palakayam
			Mannarkkad	Thenkara	Mannarkkad

SI No	Name of Division	Area (in km ²)	Name of Taluk	Name of Panchayat	Name of Village
	Silent Valley Division Contd...		Mannarkkad	Allanallur	Allanallur III
			Mannarkkad	Kottopadam	Kottopadam III
			Nilambur	Karuvarakundu	Karuvarakundu
			Nilambur	Karuvarakundu	Kerala Estate
			Nilambur	Chokkad	Chokkad
			Nilambur	Kalikavu	Kalikavu
35	Wildlife Division Peechi	243.017	Thrissur	Pananchery	Peechi
			Thrissur	Pananchery	Pananchery
			Thalappilly	Mulloorkkara	Attur
			Chalakydy	Varandarappilly	Varandarappilly
			Thalappilly	Thiruvillwamala	Thiruvillwamala
			Alathur	Perigottukurissi	Perigottukurissi 2
			Chalakkudy	Mattathur	Mattathur
36	Wildlife Division Aralam	85.380	Iritty	Aralam, Iritty	Aralam
			Iritty	Kelakam	Kelakam
			Iritty	Kottiyoor	Kottiyoor
37	NSC Kalady	6.226	Aluva	Malayattoor - Nee- leswaram	Malayattoor
			Kunnathunadu	Koovappady	Kodanad
38	Mangalavanam BS	0.027	Ernakulam	Chottanikkara	Kanayannor
39	TS Division Perumbavoor	0.315	Kunnathunadu	Marampilly	Marampilly
			Kunnathunadu	Mazhuvannur	Mazhuvannur

SI No	Name of Division	Area (in km ²)	Name of Taluk	Name of Panchayat	Name of Village
	TS Division Perumbavoor Contd...		Chalakkudy	PadinjareChalakkudy	Padinjare Chalakkudy
			Chalakkudy	Kodassery	Kodassery
			Paravur	Eloor Municipality	Eloor
40	TS Division Kozhikode	0.202	Kozhikode	Kadalundi	Kadalundi
			Kasargod	Delampady	Delampady
			Thalassery	Kolayad	Kolayad
			Sulthan Bathery	Noolpuzha	Kidanganad
			Mananthavady	Thiruvally	Thrissilery

Forest area as per legal status

As of 2022-23, the total forest area under the administrative jurisdiction of the Kerala Forest Department stands at 11,531.908 km², constituting 29.67% of the state's total land area (38,863 km²). In the year 2022-23, an additional 0.769 km² was incorporated into the existing forest area. This increase is attributed to :

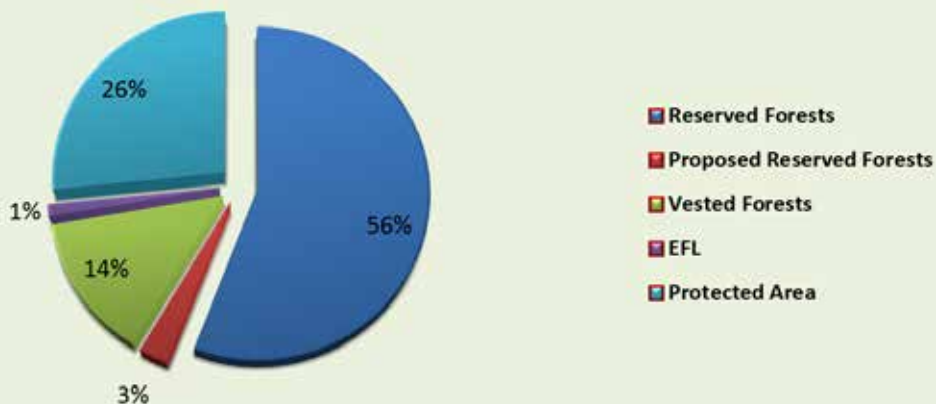
- The addition of 0.974 km² under reserved and proposed reserved forests.
- The inclusion of 0.182 km² under ecologically fragile land.
- The restoration of 0.413 km² under vested forest land.

Preserving and expanding Kerala's forest cover is crucial for biodiversity conservation, climate regulation, and the sustainable utilization of natural resources.

Total Forest Area in the State 11531.908 km²

Table 1.6
Forest area as per legal status (km²)

Forest Type	Area	Percentage
Reserved Forests	6442.771	55.87
Proposed Reserved Forests	302.379	2.62
Vested Forests	1583.584	13.73
EFL	136.990	1.19
Protected Area	3066.184	26.59
Total	11531.908	100



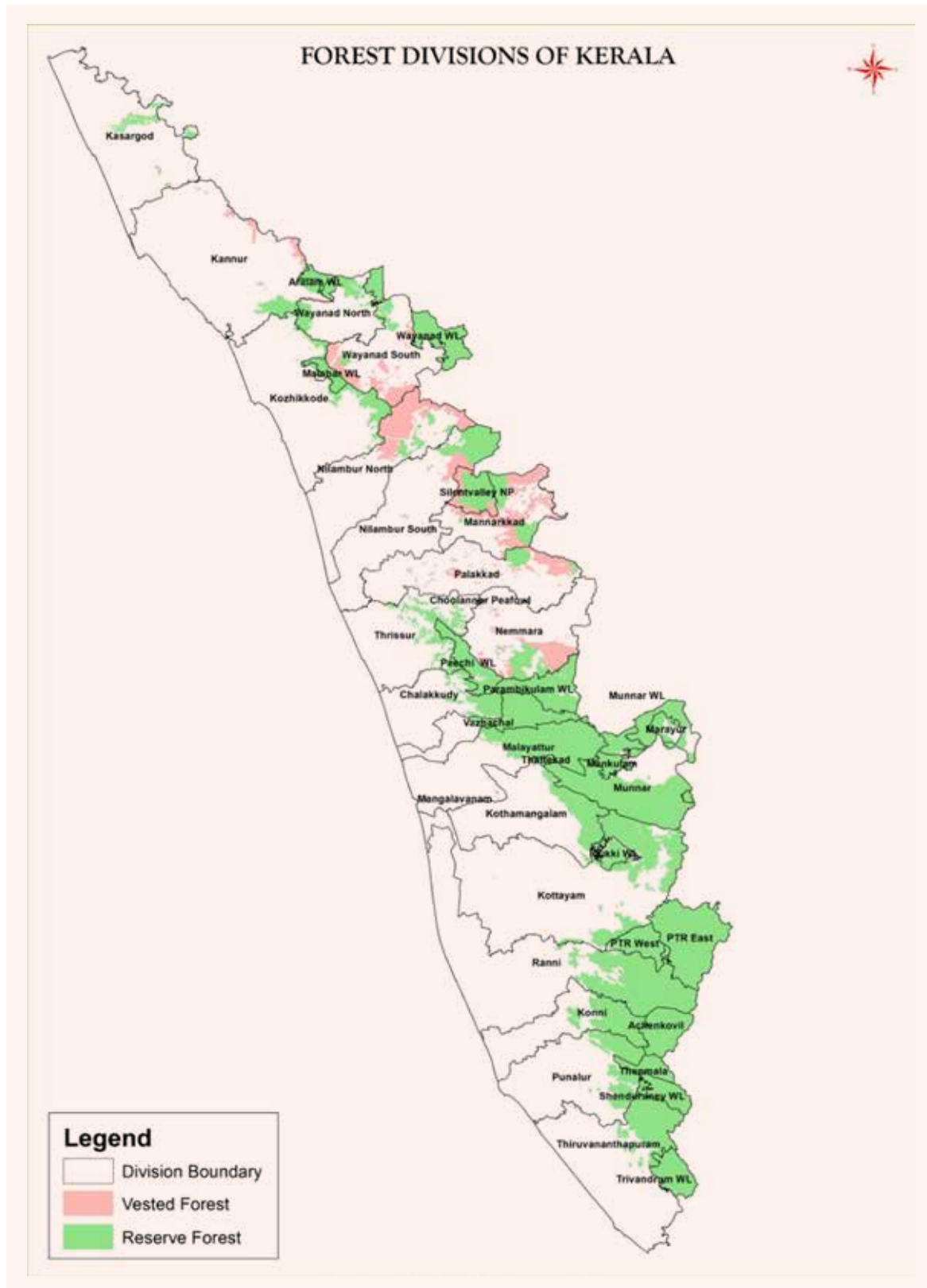


Table 1.7
Circle-wise forest area as on 31.03.2023 (km²)

Sl. No.	Name of Circle	Reserved Forests	Proposed Reserved	Vested Forests	EFL	Protected Area	Total	% of Total
1	Southern Circle	2281.234	24.190	10.096	9.112	0.000	2324.632	20.16
2	High Range Circle	1640.455	225.898	32.863	10.285	0.000	1909.501	16.56
3	Central Circle	1378.120	2.213	4.306	0.889	0.000	1385.528	12.01
4	Eastern Circle	548.707	0.417	985.531	60.300	227.970	1822.925	15.81
5	Northern Circle	387.883	46.346	546.562	55.323	74.426	1110.540	9.63
6	ABP Tvpm	31.813	1.403	4.226	0.354	347.820	385.616	3.35
7	FD (PT) Kottayam	35.524	0.000	0.000	0.675	1261.077	1297.276	11.25
8	WL Palakkad	132.367	0.089	0.000	0.052	1154.864	1287.372	11.16
9	Others	6.668	1.823	0.000	0.000	0.027	8.518	0.07
	Total	6442.771	302.379	1583.584	136.990	3066.184	11531.908	100

Table 1.8
Division-wise forest area as on 31.03.2023 (km²)

Sl. No.	Division	Reserved Forests	Proposed Reserved	Vested Forests	EFL	Protected Area	Total	% of Total
SOUTHERN CIRCLE KOLLAM								
Southern Circle Total		2281.234	24.190	10.096	9.112	0	2324.632	20.16
1	Thiruvananthapuram	359.124	5.825	0.376	7.169	0	372.494	3.23
2	Thenmala	140.750	0	7.775	0.455	0	148.980	1.29
3	Achencoil	284.330	0	0.208	1.331	0	285.869	2.48
4	Ranni	902.329	7.225	1.568	0	0	911.122	7.90
5	Punalur	274.148	0.038	0.169	0.157	0	274.512	2.38
6	Konni	320.553	11.102	0	0	0	331.655	2.88
HIGH RANGE CIRCLE KOTTAYAM								
High Range Circle Total		1640.455	225.898	32.863	10.285	0	1909.501	16.56
7	Kothamangalam	317.604	0.549	0.158	0	0	318.311	2.76
8	Munnar*	693.535	72.872	0.662	5.148	0	772.217	6.70
9	Marayoor	15.416	47.257	0.076	2.471	0	65.220	0.57
10	Mankulam	0	90.057	0	0	0	90.057	0.78
11	Kottayam**	613.900	15.163	31.967	2.666	0	663.696	5.75
CENTRAL CIRCLE THRISSUR								
Central Circle Total		1378.120	2.213	4.306	0.889	0	1385.527	12.01
12	Vazhachal	353.414	0	0	0	0	353.414	3.06
13	Chalakydy	207.940	0.031	0	0.040	0	208.011	1.80
14	Malayattoor	609.725	1.234	0	0	0	610.959	5.30
15	Thrissur	207.041	0.948	4.306	0.849	0	213.143	1.85

Sl. No.	Division	Reserved Forests	Proposed Reserved	Vested Forests	EFL	Protected Area	Total	% of Total
EASTERN CIRCLE PALAKKAD								
Eastern Circle Total		548.708	0.416	985.531	60.300	227.970	1822.925	15.81
16	Mannarkkad	150.732	0	271.453	9.137	0	431.322	3.74
17	Nilambur North	58.393	0.345	371.720	9.557	0	440.016	3.82
18	Nilambur South	56.509	0.033	40.675	1.803	227.970	326.990	2.84
19	Palakkad	73.410	0	160.030	30.102	0	263.542	2.29
20	Nenmara	209.664	0.038	141.653	9.700	0	361.055	3.13
NORTHERN CIRCLE KANNUR								
Northern Circle Total		387.883	46.346	546.562	55.323	74.426	1110.540	9.63
21	Kozhikode	6.215	26.070	187.274	15.924	74.426	309.909	2.69
22	Wayanad North	134.058	15.107	65.575	9.082	0	223.822	1.94
23	Wayanad South	67.679	3.774	203.272	20.502	0	295.227	2.56
24	Kannur	93.361	0.021	60.380	4.910	0	158.672	1.38
25	Kasaragod	86.570	1.374	30.061	4.905	0	122.910	1.07
AGASTHYAVANAM BIOLOGICAL PARK								
ABP Circle Total		31.813	1.403	4.226	0.354	347.820	385.616	3.34
26	Thiruvananthapuram	30.980	0	0	0	181.000	211.980	1.84
27	Shendurney	0.833	1.403	4.226	0.354	166.820	173.636	1.50
FIELD DIRECTOR (PROJECT TIGER) KOTTAYAM								
FD (PT) Circle Total		35.524	0	0	0.675	1261.077	1297.276	11.24
28	Periyar East	0	0	0	0.675	709.000	709.675	6.15
29	Periyar West	0	0	0	0	216.000	216.000	1.87
30	Munnar WL	0	0	0	0	241.077	241.077	2.09
31	Idukki WL	35.524	0	0	0	95.000	130.524	1.13

Sl. No.	Division	Reserved Forests	Proposed Reserved	Vested Forests	EFL	Protected Area	Total	% of Total
WILDLIFE CIRCLE PALAKKAD								
WL Palakkad - Circle Total		132.367	0.089	0	0.052	1154.864	1287.372	11.17
32	Parambikulam	102.770	0	0	0	274.130	376.900	3.27
33	Wayanad WL	0	0.089	0	0.052	344.443	344.584	2.99
34	Silent Valley	0	0	0	0	237.491	237.491	2.06
35	Peechi	29.597	0	0	0	213.420	243.017	2.11
36	Aralam	0	0	0	0	85.380	85.380	0.74
OTHERS								
Others Total		6.668	1.823	0	0	0.027	8.518	0.07
37	TS Kozhikode	0.202	0	0	0	0	0.202	0
38	TS Perumbavoor	0.240	0.075	0	0	0	0.315	0
39	NSC Kalady	6.226	0	0	0	0	6.226	0.05
40	Mangalavanam BS	0	0	0	0	0.027	0.027	0
41	Social Forestry, Alappuzha	0	1.748	0	0	0	1.748	0.02
GRAND TOTAL		6442.771	302.379	1583.584	136.990	3066.184	11531.908	100%

*Includes an extent of 372.98 km² of Cardamom Hill Reserves (CHR) in Munnar Division

** Includes an extent of 479.258 km² of Cardamom Hill Reserves (CHR) in Kottayam Division

Table 1.9
Range-wise forest area as on 31.03.2023 (km²)

Division	Range	Reserved Forests	Proposed Reserved	Vested Forests	EFL	Protected Area	Total Forest Area
SOUTHERN CIRCLE, KOLLAM							
Thiruvananthapuram	Kulathupuzha	217.550	0.000	0.056	5.668	0.000	223.274
	Palode	101.084	5.825	0.320	0.609	0.000	107.838
	Paruthippally	40.490	0.000	0.000	0.892	0.000	41.382
	Division Total	359.124	5.825	0.376	7.169	0.000	372.494
Thenmala	Aryankavu	73.340	0.000	1.420	-	0.000	74.760
	Thenmala	67.410	0.000	6.355	0.455	0.000	74.220
	Division Total	140.750	0.000	7.775	0.455	0.000	148.980
Achencovil	Achencovil	88.747	0.000	0.208	1.331	0.000	90.286
	Kallar	78.989	0.000	0.000	0.000	0.000	78.989
	Kanayar	116.594	0.000	0.000	0.000	0.000	116.594
	Division Total	284.330	0.000	0.208	1.331	0.000	285.869
Ranni	Ranni	127.502	7.225	1.568	0.000	0.000	136.295
	Goodrikkal	505.967	0.000	0.000	0.000	0.000	505.967
	Vadasserikkara	268.860	0.000	0.000	0.000	0.000	268.860
	Division Total	902.329	7.225	1.568	0.000	0.000	911.122
Punalur	Anchal	142.509	0.000	0.000	0.000	0.000	142.509
	Pathanapuram	131.639	0.038	0.169	0.157	0.000	132.003
	Division Total	274.148	0.038	0.169	0.157	0.000	274.512

Division	Range	Reserved Forests	Proposed Reserved	Vested Forests	EFL	Protected Area	Total Forest Area
Konni	Konni	51.703	11.102	0.000	0.000	0.000	62.805
	Naduvathumoozhi	138.936	0.000	0.000	0.000	0.000	138.936
	Mannarappara	129.914	0.000	0.000	0.000	0.000	129.914
	Division Total	320.553	11.102	0.000	0.000	0.000	331.655
SOUTHERN CIRCLE, KOLLAM - TOTAL		2,281.234	24.190	10.096	9.112	0.000	2,324.632
HIGH RANGE CIRCLE, KOTTAYAM							
Kottayam	Erumeli	144.625	15.136	4.171	1.067	0.000	164.999
	Ayyappancovil	64.242	0.000	23.837	1.199	0.000	89.278
	Nagarampara	143.400	0.000	0.000	0.400	0.000	143.800
	Kumily	261.633	0.027	3.959	0.000	0.000	265.619
	Division Total	613.900	15.163	31.967	2.666	0.000	663.696
Kothamangalam	Thodupuzha	218.991	0.526	0.158	0.000	0.000	219.675
	Kothamangalam	12.153	0.023	0.000	0.000	0.000	12.176
	Kaliyar	49.080	0.000	0.000	0.000	0.000	49.080
	Mullaringad	37.380	0.000	0.000	0.000	0.000	37.380
	Division Total	317.604	0.549	0.158	0.000	0.000	318.311
Munnar	Munnar	106.190	25.931	0.000	4.240	0.000	136.361
	Devikulam	311.039	46.941	0.662	0.000	0.000	358.643
	Adimali	173.566	0.000	0.000	0.908	0.000	174.474
	Neriyamangalam	102.740	0.000	0.000	0.000	0.000	102.740
	Division Total	693.535	72.872	0.662	5.148	0.000	772.217

Division	Range	Reserved Forests	Proposed Reserved	Vested Forests	EFL	Protected Area	Total Forest Area
Mankulam	Mankulam	0.000	51.877	0.000	0.000	0.000	51.877
	Anakulam	0.000	38.180	0.000	0.000	0.000	38.180
	Division Total	0.000	90.057	0.000	0.000	0.000	90.057
Marayoor	Marayoor	7.000	35.410	0.076	0.075	0.000	42.561
	Kanthalloor	8.416	11.847	0.000	2.396	0.000	22.659
	Division Total	15.416	47.257	0.076	2.471	0.000	65.220
HIGH RANGE CIRCLE, KOTTAYAM - TOTAL		1,640.455	225.898	32.863	10.285	0.000	1,909.501
CENTRAL CIRCLE, THRISSUR							
Vazhachal	Athirappally	95.098	0.000	0.000	0.000	0.000	95.098
	Charpa	59.975	0.000	0.000	0.000	0.000	59.975
	Kollathirumed	29.348	0.000	0.000	0.000	0.000	29.348
	Sholayar	78.350	0.000	0.000	0.000	0.000	78.350
	Vazhachal	90.643	0.000	0.000	0.000	0.000	90.643
	Division Total	353.414	0.000	0.000	0.000	0.000	353.414
Chalakudy	Palappilly	47.327	0.000	0.000	0.000	0.000	47.327
	Pariyaram	115.312	0.031	0.000	0.040	0.000	115.383
	Vellikkulangara	45.301	0.000	0.000	0.000	0.000	45.301
	Division Total	207.940	0.031	0.000	0.040	0.000	208.011
Malayattoor	Edamalayar	170.070	0.000	0.000	0.000	0.000	170.070
	Kalady	65.812	0.525	0.000	0.000	0.000	66.337
	Kodanadu	55.403	0.709	0.000	0.000	0.000	56.112
	Kuttampuzha	187.040	0.000	0.000	0.000	0.000	187.040
	Thundathil	131.400	0.000	0.000	0.000	0.000	131.400
	Division Total	609.725	1.234	0.000	0.000	0.000	610.959

Division	Range	Reserved Forests	Proposed Reserved	Vested Forests	EFL	Protected Area	Total Forest Area
Thrissur	Machad	73.564	0.000	0.000	0.061	0.000	73.625
	Pattikkad	81.604	0.948	0.000	0.000	0.000	82.552
	Vadakkancherry	51.873	0.000	4.306	0.788	0.000	56.966
	Division Total	207.041	0.948	4.306	0.849	0.000	213.143
CENTRAL CIRCLE, THRISSUR - TOTAL		1,378.120	2.212	4.306	0.889	0.000	1,385.527
EASTERN CIRCLE, PALAKKAD							
Mannarkkad	Agali	63.860	0.000	65.089	2.927	0.000	131.876
	Attappadi	80.771	0.000	88.660	2.094	0.000	171.525
	Mannarkkad	6.101	0.000	117.703	4.116	0.000	127.921
	Division Total	150.732	0.000	271.453	9.137	0.000	431.322
Nilambur North	Vazhikkadavu	19.304	0.000	157.386	1.224	0.000	177.914
	Nilambur	15.888	0.339	103.871	5.312	0.000	125.410
	Edavanna	23.201	0.006	110.463	3.021	0.000	136.691
	Division Total	58.393	0.345	371.720	9.557	0.000	440.016
Nilambur South	Kalikavu	1.991	0.033	40.675	1.803	16.880	61.382
	Karulai	54.518	0.000	0.000	0.000	211.090	265.608
	Division Total	56.509	0.033	40.675	1.803	227.970	326.990
Palakkad	Olavakkode	61.693	0.000	17.585	2.135	0.000	81.413
	Walayar	11.717	0.000	109.752	22.944	0.000	144.414
	Ottappalam	0.000	0.000	32.693	5.023	0.000	37.716
	Division Total	73.410	0.000	160.030	30.102	0.000	263.542

Division	Range	Reserved Forests	Proposed Reserved	Vested Forests	EFL	Protected Area	Total Forest Area
Nenmara	Nelliyampathi	209.664	0.038	0.949	0.073	0.000	210.724
	Kollengode	0.000	0.000	62.786	7.068	0.000	69.854
	Alathur	0.000	0.000	77.918	2.560	0.000	80.478
	Division Total	209.664	0.038	141.653	9.700	0.000	361.055
EASTERN CIRCLE, PALAKKAD - TOTAL		548.708	0.416	985.531	60.300	227.970	1,822.925
NORTHERN CIRCLE, KANNUR							
Kozhikkode	Peruvannamoozhi	6.190	25.994	36.825	7.390	74.214	150.613
	Kuttiyadi	0.000	0.071	33.870	5.919	0.000	39.860
	Thamarassery	0.025	0.005	116.579	2.615	0.212	119.436
	Division Total	6.215	26.070	187.274	15.924	74.426	309.909
Wayanad North	Begoor	73.395	15.107	15.736	1.890	0.000	106.128
	Periya	60.663	0.000	23.792	5.364	0.000	89.819
	Mananthavady	0.000	0.000	26.047	1.828	0.000	27.875
	Division Total	134.058	15.107	65.575	9.082	0.000	223.822
Wayanad South	Kalpetta	13.500	3.122	78.108	8.157	0.000	102.887
	Meppady	0.000	0.652	103.467	12.345	0.000	116.464
	Chedalath	54.179	0.000	21.697	0.000	0.000	75.876
	Division Total	67.679	3.774	203.272	20.502	0.000	295.227
Kannur	Kannavam	82.847	0.021	1.262	0.000	0.000	84.130
	Kottiyoore	8.084	0.000	40.027	3.739	0.000	51.850
	Thalipparamba	2.430	0.000	19.091	1.171	0.000	22.692
	Division Total	93.361	0.021	60.380	4.910	0.000	158.672

Division	Range	Reserved Forests	Proposed Reserved	Vested Forests	EFL	Protected Area	Total Forest Area
Kasaragod	Kanjangad	25.955	0.470	29.667	4.889	0.000	60.981
	Kasaragod	60.615	0.904	0.394	0.016	0.000	61.929
	Division Total	86.570	1.374	30.061	4.905	0.000	122.910
NORTHERN CIRCLE, KANNUR - TOTAL		387.883	46.346	546.562	55.323	74.426	1,110.540
AGASTHYAVANAM BIOLOGICAL PARK							
Tvpw WL	ABP, Kottoor	30.980	0.000	0.000	0.000	0.000	30.980
	Neyyar Sanctuary	0.000	0.000	0.000	0.000	128.000	128.000
	Peppara Sanctuary	0.000	0.000	0.000	0.000	53.000	53.000
	Division Total	30.980	0.000	0.000	0.000	181.000	211.980
Shendurney	Shendurney	0.833	1.403	4.226	0.354	166.820	173.636
	Division Total	0.833	1.403	4.226	0.354	166.820	173.636
AGASTHYAVANAM BIOLOGICAL PARK - TOTAL		31.813	1.403	4.226	0.354	347.820	385.616
FIELD DIRECTOR (PROJECT TIGER) KOTTAYAM							
Periyar East (Thekkady)	Periyar	0.000	0.000	0.000	0.000	376.000	376.000
	Thekkady	0.000	0.000	0.000	0.000	99.000	99.000
	Vallakkadavu	0.000	0.000	0.000	0.675	234.000	234.675
	Division Total	0.000	0.000	0.000	0.675	709.000	709.675
Periyar West (Peerumedu)	Pampa	0.000	0.000	0.000	0.000	66.930	66.930
	Azhutha	0.000	0.000	0.000	0.000	149.070	149.070
	Division Total	0.000	0.000	0.000	0.000	216.000	216.000

Division	Range	Reserved Forests	Proposed Reserved	Vested Forests	EFL	Protected Area	Total Forest Area
Munnar WL	Eravikulam NP	0.000	0.000	0.000	0.000	97.000	97.000
	Chinnar WL Sanctuary	0.000	0.000	0.000	0.000	90.442	90.442
	Anamudy Shola NP	0.000	0.000	0.000	0.000	7.500	7.500
	Mathikettan Shola NP	0.000	0.000	0.000	0.000	12.817	12.817
	Pampadum Shola NP	0.000	0.000	0.000	0.000	1.318	1.318
	Kurinjimala Sanctuary	0.000	0.000	0.000	0.000	32.000	32.000
	Division Total	0.000	0.000	0.000	0.000	241.077	241.077
Idukki WL	Idukki	35.364	0.000	0.000	0.000	70.000	105.364
	Thattekkad	0.160	0.000	0.000	0.000	25.000	25.160
	Division Total	35.524	0.000	0.000	0.000	95.000	130.524
FIELD DIRECTOR (PROJECT TIGER) KOTTAYAM TOTAL		35.524	0.000	0.000	0.675	1,261.077	1,297.276
WILDLIFE CIRCLE, PALAKKAD							
Parambikulam	Sunkom	16.870	0.000	0.000	0.000	81.750	98.620
	Parambikulam	49.850	0.000	0.000	0.000	52.180	102.030
	Orukkomban	6.890	0.000	0.000	0.000	68.370	75.260
	Karimala	29.160	0.000	0.000	0.000	71.830	100.990
	Division Total	102.770	0.000	0.000	0.000	274.130	376.900

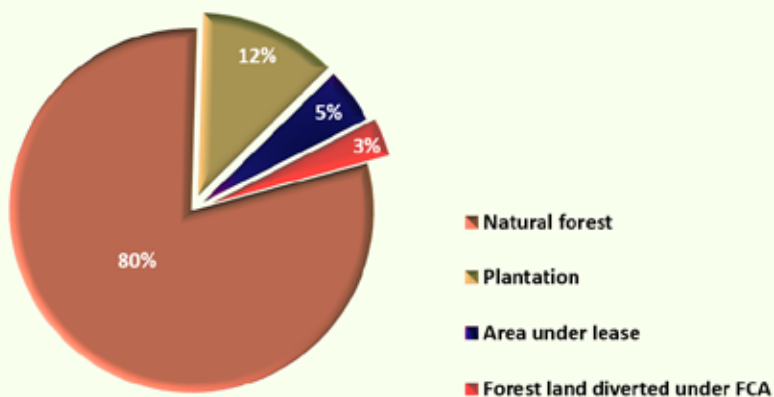
Division	Range	Reserved Forests	Proposed Reserved	Vested Forests	EFL	Protected Area	Total Forest Area
Wayanad WL	Tholpetty	0.000	0.039	0.000	0.052	77.669	77.760
	Kurichiyatt	0.000	0.050	0.000	0.000	106.453	106.503
	Muthanga	0.000	0.000	0.000	0.000	74.293	74.293
	SulthanBathery	0.000	0.000	0.000	0.000	86.028	86.028
	Division Total	0.000	0.089	0.000	0.052	344.443	344.584
Silent Valley	Silent Valley NP	0.000	0.000	0.000	0.000	143.491	43.491
	Bhavani	0.000	0.000	0.000	0.000	94.000	94.000
	Division Total	0.000	0.000	0.000	0.000	237.491	237.491
Peechi	Peechi WL Sanctuary	0.000	0.000	0.000	0.000	125.000	125.000
	Chimmini WL Sanctuary	29.597	0.000	0.000	0.000	85.000	114.597
	Chulannur Peafowl Sanctuary	0.000	0.000	0.000	0.000	3.420	3.420
	Division Total	29.597	0.000	0.000	0.000	213.420	243.017
Aralam	Aralam WL Sanctuary	0.000	0.000	0.000	0.000	85.380	85.380
	Division Total	0.000	0.000	0.000	0.000	85.380	85.380
WILDLIFE CIRCLE, PALAKKAD - TOTAL		132.367	0.089	0.000	0.052	1,154.864	1,287.372
OTHERS							
TS Perumbavoor		0.240	0.075	0.000	0.000	0.000	0.315
TS Kozhikode		0.202	0.000	0.000	0.000	0.000	0.202
NSC Kalady		6.226	0.000	0.000	0.000	0.000	6.226
Mangalavanam BS		0.000	0.000	0.000	0.000	0.027	0.027
SF, Alappuzha		0.000	1.748	0.000	0.000	0.000	1.748
OTHERS TOTAL		6.668	1.823	0.000	0.000	0.027	8.518
STATE TOTAL OF FOREST AREA (in sq.km)		6,442.771	302.379	1,583.584	136.990	3,066.184	11,531.908

Forest area as per land use pattern

Table 1.10
Forest area as per land use pattern

Sl. No.	Land use pattern	Area (km ²)	Percentage
1	Natural Forest	9182.304	79.63
2	Plantation	1400.146	12.14
3	Area under lease	565.28	4.90
4	Forest land diverted under FCA	384.178	3.33
Total		11531.908	100

Land use pattern



Forest area diverted for non-forestry purposes

As per the Forest Conservation Act, 1980, a total of 384.178 km² of forest land has been diverted to various agencies for non-forestry purposes. In the year 2022-23 alone, 1.6176 hectares of forest land were allocated for essential public utilities such as drinking water projects, roads, and transmission lines.

Table 1.11
Details of area diverted to various agencies

Sl. No	Category	Area diverted (Ha)	No. of cases	Degraded Forest Land (DFL) identified (Ha)	No. of cases (DFL)	Non Forest Land (NFL) identified (Ha)	No. of cases (NFL)
1	Defence	36.00	2	65.00	1	0	0
2	Dispensary/Hospital	0.61	2	0	0	0	0
3	Drinking water	8.8429	30	6.71	1	0.26	1

Sl. No	Category	Area diverted (Ha)	No. of cases	Degraded Forest Land (DFL) identified (Ha)	No. of cases (DFL)	Non Forest Land (NFL) identified (Ha)	No. of cases (NFL)
4	Encroachment	28588.16	1	57176.00	1	0	0
5	Hydel	313.00	14	345.42	5	141.48	3
6	Irrigation	395.84	27	22.69	6	138.06	7
7	Mining	29.73	1	118.04	1	0	0
8	Rehabilitation	169.02	2	0	0	0	0
9	Road	411827	30	48.76	5	0	0
10	School	12.96	5	25.90	2	0	0
11	Transmission line	756.5749	73	739.86	10	351.99	9
12	Village electricity	29.736	74	12.91	2	0	0
13	Others	8036.1633	77	85.26	5	158.20	4
Total		38417.8198	338	58646.55	39	789.99	24

Vested Forests

Vested forests refer to private forests whose ownership and possession have been transferred to the government under Section 3 of the Kerala Private Forest (Vesting & Assignment) Act, 1971. These forests are legally recognized as reserved forests under Section 4 of the Act. During 2022-23, an area of 0.413 km² was restored under vested forests.

Table 1.12
Vested Forest - Division-wise distribution

Sl. No.	Division	Area (Ha)
4	Ranni	156.80
5	Punalur	16.90
6	Munnar	66.20
7	Marayoor	7.60
8	Kottayam	3196.70
9	Kothamangalam	15.80
10	Thrissur	430.60
11	Mannarkkad	27145.30
12	Nilambur North	37172.00
13	Nilambur South	4067.50
14	Palakkad	16003.00
15	Nenmara	14165.30
16	Kozhikode	18727.40

Sl. No.	Division	Area (Ha)
17	Wayanad North	6557.50
18	Wayanad South	20327.20
19	Kannur	6038.00
20	Kasargod	3006.10
21	Shendurney	422.60
Total		158358.400

Ecologically Fragile Lands (EFL)

The state of Kerala has declared approximately 13,699 hectares as ecologically fragile land. However, an extent of 1,121.1673 hectares has been de-notified through various redressal mechanisms under the EFL Act.

Table 1.13
Division-wise extent of Ecologically Fragile Lands

Sl. No.	Division	Area (Ha)
1	Thiruvananthapuram	716.9
2	Thenmala	45.50
3	Achencoil	133.10
4	Punalur	15.70
5	Munnar	514.80
6	Marayoor	247.10
7	Kottayam	266.60
8	Chalakyudy	4.00
9	Thrissur	84.90
10	Mannarkkad	913.70
11	Nilambur North	955.70
12	Nilambur South	180.30
13	Palakkad	3010.20
14	Nenmara	970.00
15	Kozhikode	1592.40
16	Wayanad North	908.20
17	Wayanad South	2050.20
18	Kannur	491.00
19	Kasargod	490.50
20	Shendurney	35.40
21	Periyar East	67.50
22	Wayanad (WL)	5.20
Total		13699.00

Plantations

The Kerala Forest Department manages several plantations across the state, primarily cultivating teak and other commercially valuable species. These plantations serve as a sustainable source of timber and forest products, significantly contributing to the department's revenue. The department employs modern forestry techniques to enhance productivity while ensuring ecological sustainability.

Table 1.14
Distribution of plantation area

Sl. No.	Category	Area (Ha)
1	Territorial Divisions	136340.347
2	Wildlife Divisions	3674.276
State Total		140014.623

Table 1.15
Abstract of plantation area - species-wise

Sl. No.	Plantation	Area (Ha)	Percentage
1	Hardwood	72363.505	51.68
2	Softwood	3179.985	2.27
3	Bamboo, Reeds & Rattan	7679.406	5.48
4	Mangroves	325.189	0.23
5	Others	56466.538	40.34
State Total		140014.623	100

Table 1.16
Distribution of plantation area - species-wise

Sl. No.	Common Name	Botanical Name	Area (Ha)	% to total plantation
1	Teak	<i>Tectona grandis</i>	58837.184	42.02
2	Teak - Elavu	-	11155.287	7.97
3	Rosewood	<i>Dalbergia latifolia</i>	362.926	0.26
4	Mahogani	<i>Swietenia macrophylla</i>	460.643	0.33
5	Sandal wood	<i>Santalum album</i>	186.840	0.13
6	Anjili	<i>Artocarpus hirsutus</i>	616.420	0.44
7	Kambakam	<i>Mallotus philippensis</i>	194.960	0.14
8	Casuarina	<i>Casuarina equisetifolia</i>	118.870	0.08
9	Venteak	<i>Lagerstroemia microcarpa</i>	2.023	0.00

Sl. No.	Common Name	Botanical Name	Area (Ha)	% to total plantation
10	Vengai	<i>Pterocarpus marsupium</i>	9.712	0.01
11	Other Hardwood	-	418.640	0.30
12	Silveroak	<i>Gravellia robusta</i>	948.580	0.68
13	Pine	<i>Pinus spp.</i>	546.400	0.39
14	Alnus	<i>Alnus nepalensis</i>	76.600	0.05
15	Siris	<i>Albizia lebbbeck</i>	61.540	0.04
16	Balsa	<i>Ochroma pyramidale</i>	21.040	0.01
17	Matti	<i>Ailanthus triphysa</i>	488.010	0.35
18	Elavu	<i>Bombax ceiba</i>	80.240	0.06
19	Kumbil	<i>Gmelina arborea</i>	115.580	0.08
20	Malaveppu	<i>Melia dubia</i>	48.500	0.03
21	Other Softwood	-	793.495	0.57
22	Northern black wattle	<i>Acacia auriculiformis</i>	7241.654	5.17
23	Mangium	<i>Acacia mangium</i>	2826.127	2.02
24	Blue gum	<i>Eucalyptus tereticornis</i>	7263.940	5.19
25	Wattle	<i>Acacia spp.</i>	2123.130	1.52
26	Bamboo	<i>Bambusa spp.</i>	4095.405	2.92
27	Reeds	<i>Ochlandra spp.</i>	696.310	0.50
28	Common rattan	<i>Calamus rotang</i>	2887.691	2.06
29	Rubber	<i>Hevea brasiliensis</i>	42.100	0.03
30	Cashew	<i>Anacardium occidentale</i>	2808.570	2.01
31	Pepper	<i>Piper nigrum</i>	30.000	0.02
32	Tea	<i>Camellia sinensis</i>	1.902	0.00
33	Medicinal plants	-	2180.579	1.56
34	Agave	<i>Agave americana</i>	9.640	0.01
35	Fruit Bearing Species	-	43.000	0.03
36	Mangroves	<i>Rhizophora spp.</i>	325.189	0.23
37	Mixed Plantations	-	4743.704	3.39
38	Miscellaneous Plantations	-	24482.462	17.49
39	Eco Restoration Plantations	-	391.090	0.28
40	Watershed Afforestation Area	-	99.640	0.07
41	Compensatory Afforestation Area	-	2179.000	1.56
State Total			140014.623	100

Table 1.17
Division-wise area of plantation - species-wise (area in Ha)

Sl. No	Divisions	Teak	Teak - Elavu	Mangium	Northern black wattle (Acacia)	Blue gum (Eucalyptus)	Rattan	Bamboo	Rosewood	Mahogany	Sandal wood	Malaveppu
SOUTHERN CIRCLE KOLLAM												
1	Thiruvananthapuram	351.210	349.390	804.520	1685.67	235.910	0.000	94.680	0.000	0.000	0.000	0.00
2	Thenmala	2498.640	248.730	81.570	486.710	620.610	32.700	114.960	9.280	0.000	0.000	0.00
3	Punalur	1335.664	285.410	1122.96	668.920	656.650	0.000	156.220	0.000	0.000	0.000	12.000
4	Achencoil	2998.122	1059.977	0.000	0.000	0.000	1142.771	144.000	273.546	0.000	0.000	0.000
5	Ranni	3506.710	1107.820	0.000	362.780	8.100	85.430	220.080	0.000	0.000	0.000	0.000
6	Konni	8225.110	0.000	0.000	281.140	30.000	343.000	273.900	72.000	0.600	0.000	0.000
	TOTAL	18915.456	3051.327	2009.05	3485.22	1551.270	1603.901	1003.84	354.826	0.600	0.000	12.000
HIGH RANGE CIRCLE KOTTAYAM												
7	Kottayam	4204.877	0.000	0.000	28.500	363.600	138.600	228.281	0.000	0.670	0.000	0.000
8	Munnar	786.950	0.000	0.000	0.000	3340.790	0.000	598.150	0.000	0.000	0.000	0.000
9	Kothamangalam	4472.638	0.000	235.477	14.200	161.310	214.950	67.600	8.100	15.240	0.000	0.000
10	Marayoor	0.000	0.000	0.000	100.000	20.000	0.000	90.800	0.000	0.000	28.800	0.000
11	Mankulam	0.000	0.000	28.500	0.000	55.000	68.560	53.100	0.000	3.500	0.000	0.000
	TOTAL	9464.465	0.000	263.977	142.700	3940.700	422.11	1037.931	8.100	19.410	28.800	0.000

Sl. No	Divisions	Other Hardwood	Reeds	Pepper	Medicinal plants	Silver Oak	Pine	Siris (Albizia)	Anjili	Kambakom	Elavu	Rubber	Kumbil
SOUTHERN CIRCLE KOLLAM													
1	Thiruvananthapuram	89.140	0.000	0.000	467.120	0.000	0.000	7.000	596.820	66.960	0.000	0.000	0.000
2	Thenmala	0.000	3.000	0.000	18.360	250.000	0.000	0.000	9.600	0.000	0.000	0.000	0.000
3	Punalur	221.970	0.000	0.000	134.880	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	Achencoil	0.000	52.200	0.000	117.490	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	Ranni	0.000	235.960	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	Konni	0.000	0.000	0.000	228.750	0.000	0.000	0.000	0.000	125.000	0.000	0.000	0.000
	TOTAL	311.110	291.160	0.000	966.600	250.000	0.000	7.000	606.420	191.960	0.000	0.000	0.000
HIGH RANGE CIRCLE KOTTAYAM													
7	Kottayam	25.000	0.000	0.000	224.000	5.000	61.400	0.000	0.000	0.000	0.000	0.000	0.000
8	Munnar	0.000	0.000	0.000	0.000	95.320	485.00	0.000	0.000	0.000	20.990	0.000	0.000
9	Kothamangalam	0.000	0.000	0.000	0.000	0.000	0.000	0.000	10.000	0.000	11.550	0.000	0.000
10	Marayoor	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	Mankulam	23.000	286.690	0.000	83.800	67.500	0.000	0.000	0.000	3.000	0.000	0.000	0.000
	TOTAL	48.000	286.690	0.000	307.800	167.820	546.400	0.000	10.000	3.000	32.540	0.000	0.000

Sl. No	Divisions	Balsa	Wattle	Matti	Cashew	Agave	Alnus	Eco- Restoration	Compensatory Afforestation	Fruit Bearing	Mixed Plantation	Miscellaneous	Total Plantation
SOUTHERN CIRCLE KOLLAM													
1	Thiruvananthapuram	0.000	0.000	13.100	131.50	0.000	0.000	0.000	0.000	20.00	244.11	656.58	5813.710
2	Thenmala	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	204.60	2654.39	7233.150
3	Punalur	0.000	0.000	29.640	0.000	0.000	0.000	0.000	0.000	0.000	53.400	588.870	5266.584
4	Achencoil	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2384.560	8172.666
5	Ranni	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1207.210	0.000	241.320	2082.155	9057.565
6	Konni	21.040	0.000	0.000	0.000	0.000	0.000	68.920	0.000	0.000	0.000	311.490	9980.950
	TOTAL	21.040	0.000	42.74	131.500	0.000	0.000	68.920	1207.210	20.00	743.430	8678.045	45524.625
HIGH RANGE CIRCLE KOTTAYAM													
7	Kottayam	0.000	0.000	11.000	0.000	0.000	0.000	29.000	0.000	0.000	0.000	2573.477	7893.410
8	Munnar	0.000	1320.79	156.84	0.000	0.000	61.60	18.720	0.000	0.000	709.520	1530.300	9124.970
9	Kothamangalam	0.000	0.000	127.90	54.000	0.000	0.000	0.000	0.000	0.000	1071.387	68.770	6533.122
10	Marayoor	0.000	801.340	0.000	0.000	0.000	0.000	0.000	0.000	0.000	50.000	44.400	1135.340
11	Mankulam	0.000	0.000	0.000	0.000	0.000	15.000	0.000	0.000	0.000	0.000	229.080	916.730
	TOTAL	0.000	2122.13	295.74	54.000	0.000	76.600	47.720	0.000	0.000	1830.907	4446.027	25603.572

Sl. No	Divisions	Teak	Teak - Elavu	Mangium	Northern black wattle (Acacia)	Blue gum (Eucalyptus)	Rattan	Bamboo	Rosewood	Mahogany	Malaveppu	Sandal wood
CENTRAL CIRCLE THRISSUR												
12	Malayattoor	4931.230	2627.510	145.000	1203.300	17.250	0.000	74.700	0.000	0.000	0.000	0.000
13	Vazhachal	3780.780	1676.420	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	Chalakkudy	3311.48	0.000	0.000	0.000	0.000	0.000	32.900	0.000	0.000	0.000	0.000
15	Thrissur	1424.323	252.570	40.450	1391.425	151.500	0.000	160.620	0.000	0.000	36.500	0.000
	TOTAL	13447.813	4556.500	185.450	2594.725	168.750	0.000	268.22	0.000	0.000	36.500	0.000
EASTERN CIRCLE PALAKKAD												
16	Nenmara	1181.66	0.000	0.000	105.240	110.420	22.240	69.300	0.000	2.380	0.000	100.320
17	Palakkad	1798.580	76.600	0.000	35.820	41.920	65.880	107.550	0.000	0.000	0.000	0.000
18	Mannarkkad	388.790	0.000	0.000	164.540	143.920	17.400	32.600	0.000	0.000	0.000	0.000
19	Nilambur (S)	4545.429	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	Nilambur (N)	3720.540	0.000	0.000	0.000	0.000	421.560	829.924	0.000	142.675	0.000	0.000
	TOTAL	11634.999	76.600	0.000	305.600	296.260	527.080	1039.374	0.000	145.055	0.000	100.320

Sl. No	Divisions	Other Hardwood	Reeds	Pepper	Medicinal plants	Silver Oak	Pine	Siris (Albizia)	Anjili	Kambakom	Elavu	Kumbil	Rubber
CENTRAL CIRCLE THRISSUR													
12	Malayattoor	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	94.620	0.000
13	Vazhachal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	Chalakkudy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	47.700	0.000	0.000
15	Thrissur	0.000	0.000	0.000	90.310	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.000	90.310	0.000	0.000	0.000	0.000	0.000	47.700	94.620	0.000
EASTERN CIRCLE PALAKKAD													
16	Nenmara	6.060	0.000	0.000	11.280	40.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	Palakkad	34.270	0.000	0.000	84.520	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	Mannarkkad	15.200	0.000	0.000	62.820	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	Nilambur (S)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	Nilambur (N)	0.000	0.000	0.000	198.778	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	55.530	0.000	0.000	357.398	40.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Sl. No	Divisions	Balsa	Wattle	Matti	Cashew	Agave	Alnus	Eco- Restoration	Casuarina	Compensatory Afforestation	Fruit bearing	Mixed Plantation	Miscellaneous	Total Plantation
CENTRAL CIRCLE THRISSUR														
12	Malayattoor	0.000	0.000	10.300	0.000	0.000	0.000	0.000	0.000	0.000	0.000	38.000	24.300	9166.210
13	Vazhachal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5457.200
14	Chalakkudy	0.000	0.000	0.000	136.820	0.000	0.000	0.000	0.000	0.000	0.000	0.000	198.600	3727.500
15	Thrissur	0.000	0.000	55.920	495.679	0.000	0.000	264.450	0.000	56.00	0.000	37.270	1627.662	6084.679
	TOTAL	0.000	0.000	66.22	632.499	0.000	0.000	264.450	0.000	56.00	0.000	75.270	1850.562	24435.589
EASTERN CIRCLE PALAKKAD														
16	Nenmara	0.000	0.000	0.000	214.440	0.000	0.000	0.000	0.000	0.000	0.000	0.000	787.382	2650.722
17	Palakkad	0.000	0.000	5.000	17170	0.000	0.000	0.000	32.63	0.000	5.000	90.390	1033.070	3428.400
18	Mannarkkad	0.000	0.000	0.000	128.247	9.640	0.000	0.000	0.000	0.000	0.000	151.13	86.060	1200.347
19	Nilambur (S)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	206.764	0.000	4752.193
20	Nilambur (N)	0.000	0.000	0.000	284.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	612.760	6210.250
	TOTAL	0.000	0.000	5.000	643.866	9.640	0.000	0.000	32.63	0.000	5.000	448.284	2519.272	18241.912

Sl. No	Divisions	Teak	Teak - Elavu	Mangium	Northern black wattle (Acacia)	Blue gum (Eucalyptus)	Rattan	Bamboo	Rosewood	Mahogany	Sandal wood
NORTHERN CIRCLE KANNUR											
21	Kozhikode	26.240	0.000	0.000	15.000	311.450	0.000	11.000	0.000	0.000	0.000
22	Wayanadu (S)	2330.050	0.000	0.000	357.489	691.780	40.000	280.000	0.000	0.000	0.000
23	Wayanadu (N)	483.700	1017.030	65.000	192.800	201.640	195.600	319.000	0.000	62.040	0.000
24	Kannur	399.524	2319.430	238.830	0.000	0.000	89.000	10.000	0.000	73.888	0.000
25	Kasaragod	800.950	0.000	63.820	76.220	0.000	0.000	0.000	0.000	159.650	57.720
	TOTAL	4040.464	3336.460	367.650	641.509	1204.870	324.600	620.000	0.000	295.578	57.720
AGASTHYAVANAM BIOLOGICAL PARK											
26	Thiruvananthapuram	42.580	0.000	0.000	58.500	44.200	10.000	102.540	0.000	0.000	0.000
	TOTAL	42.580	0.000	0.000	58.500	44.200	10.000	102.540	0.000	0.000	0.000
WILDLIFE CIRCLE PALAKKAD											
27	Peechi	691.890	134.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	Silent Valley	437.300	0.000	0.000	0.000	57.890	0.000	0.000	0.000	0.000	0.000
	TOTAL	1129.190	134.400	0.000	0.000	57.890	0.000	0.000	0.000	0.000	0.000

Sl. No	Divisions	Other Hardwood	Reeds	Pepper	Medicinal plants	Silver Oak	Pine	Siris (Albizia)	Anjili	Kambakom	Rubber	Wattle	Kumbil
NORTHERN CIRCLE KANNUR													
21	Kozhikode	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	Wayanadu (S)	4.000	82.460	0.000	70.141	474.840	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	Wayanadu (N)	0.000	36.000	30.000	237.820	15.920	0.000	0.000	0.000	0.000	0.000	1.000	0.000
24	Kannur	0.000	0.000	0.000	93.260	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	Kasaragod	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	20.960
	TOTAL	4.000	118.46	30.00	401.221	490.760	0.000	0.000	0.000	0.000	0.000	1.000	20.960
AGASTHYAVANAM BIOLOGICAL PARK													
26	Thiruvananthapuram	0.000	0.000	0.000	32.000	0.000	0.000	54.540	0.000	0.000	42.10	0.000	0.000
	TOTAL	0.000	0.000	0.000	32.000	0.000	0.000	54.540	0.000	0.000	42.10	0.000	0.000
WILDLIFE CIRCLE PALAKKAD													
27	Peechi	0.000	0.000	0.000	4.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	Silent Valley	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	0.000	4.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Sl. No	Divisions	Matti	Cashew	Fruit bearing	Casuarina	Mangroves	Eco-Restoration	Watershed afforestation	Compensatory afforestation	Mixed Plantation	Miscellaneous	Total Plantation
NORTHERN CIRCLE KANNUR												
21	Kozhikode	0.000	21.750	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	385.440
22	Wayanadu (S)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	441.96	1274.34	4052.048	10099.108
23	Wayanadu (N)	78.310	12.140	0.000	0.000	0.000	10.000	99.640	473.830	1.000	1021.400	4553.870
24	Kannur	0.000	107.250	0.000	0.000	251.979	0.000	0.000	0.000	0.000	1260.499	4843.660
25	Kasaragod	0.000	1127.720	0.000	86.24	73.210	0.000	0.000	0.000	29.751	156.344	2652.580
	TOTAL	78.310	1268.860	0.000	86.24	325.189	10.000	99.640	915.790	1305.091	6490.291	22534.658
AGASTHYAVANAM BIOLOGICAL PARK												
26	Thiruvananthapuram	0.000	0.000	18.000	0.000	0.000	0.000	0.000	0.000	51.062	0.000	455.522
	TOTAL	0.000	0.000	18.000	0.000	0.000	0.000	0.000	0.000	51.062	0.000	455.522
WILDLIFE CIRCLE PALAKKAD												
27	Peechi	0.000	35.000	0.000	0.000	0.000	0.000	0.000	0.000	150.660	968.487	1984.437
28	Silent Valley	0.000	57.890	0.000	0.000	0.000	0.000	0.000	0.000	139.000	0.000	634.190
	TOTAL	0.000	92.890	0.000	0.000	0.000	0.000	0.000	0.000	289.660	968.487	2618.627

Sl. No	Divisions	Teak	Teak - Elavu	Mangium	Northern black wattle (Acacia)	Blue gum (Eucalyptus)	Rattan	Bamboo	Rosewood	Mahogany	Sandal wood	Wattle	Other Hardwood	Kumbil
SOCIAL FORESTRY, ERNAKULAM														
29	NSC,Kalady	162.217	0.000	0.000	13.400	0.000	0.000	23.500	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	162.217	0.000	0.000	13.400	0.000	0.000	23.500	0.000	0.000	0.000	0.000	0.000	0.000
	GRAND TOTAL	58837.184	11155.287	2826.127	7241.654	7263.940	2887.691	4095.405	362.926	460.643	186.84	2123.130	418.64	115.58
Sl. No	Divisions	Reeds	Pepper	Medicinal plants	Silver Oak	Pine	Siris (Albizia)	Anjili	Kambakom	Elavu	Rubber	Balsa	Matti	Malaveppu
SOCIAL FORESTRY, ERNAKULAM														
29	NSC,Kalady	0.000	0.000	21.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL	0.000	0.000	21.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	GRAND TOTAL	696.310	30.000	2180.579	948.58	546.400	61.540	616.420	194.96	80.240	42.100	21.04	488.01	48.500
Sl. No	Divisions	Cashew	Agave	Alnus	Casuarina	Mangroves	Fruit Bearing	Mixed Plantation	Miscellaneous Plantation	Eco-Restoration	Watershed Afforestation	Compensatory Afforestation	Total Plantation	
SOCIAL FORESTRY, ERNAKULAM														
29	NSC,Kalady	42.850	0.000	0.000	0.000	0.000	0.000	0.000	336.910	0.000	0.000	0.000	600.130	
	TOTAL	42.850	0.000	0.000	0.000	0.000	0.000	0.000	336.910	0.000	0.000	0.000	600.130	
	GRAND TOTAL	2808.570	9.640	76.600	118.870	325.189	43.000	4743.704	24482.462	391.090	99.640	2179.000	140014.623	

New Plantations raised under various schemes during 2022-23.

The Kerala Forest Department generates a substantial portion of its non-tax revenue from timber sales. To ensure a steady supply of timber and revenue in the future, the department continues to establish new plantations. Details of the plantations raised during 2022-23 are listed in the table below.

Table - 1.18
New Plantations raised under various schemes

Sl. No.	Scheme	Circle	Division	Area (Ha)
1	Hard Wood Species	Central Circle	Malayattoor	25.12
		Eastern Circle	Mannarkkad	9.30
			Palakkad	17.60
			Nilambur (S)	35.02
		Northern Circle	Kasargod	20.00
2	Timber	Southern Circle	Achenkovil	30.00
			Ranni	38.05
			Thenmala	29.00
3	Industrial Raw Materials	High Range Circle	Marayoor	3.00
4	Regeneration of Denuded Forest (RDF)	Central Circle	Vazhachal	7.00
		Eastern Circle	Nilambur North	2.50
		Northern Circle	Kasargod	1.00
			Kannur	40.20
5	Teak Revolving Fund (TRF)	Central Circle	Vazhachal	27.00
			Malayattoor	28.65
		Eastern Circle	Nilambur (N)	19.20
			Nilambur (S)	17.22
			Mannarkkad	6.00
		Northern Circle	Kannur	9.60
6	Kerala Forest Development Fund (KFDF)	High Range Circle	Marayoor	4.65
7	NABARD-RIDF	Central Circle	Thrissur	164.05
Total				534.16

Plantations under Kerala Forest Development Corporation (KFDC)

The Kerala Forest Development Corporation (KFDC), a state-owned public sector undertaking, was established on January 24, 1975, following the recommendations of the National Agricultural Commission (1972). Its primary objective is to mobilize institutional finance for large-scale forest plantations, covering over 80,000 hectares. These plantations support the development of wood-based industries in Kerala.

Table - 1.19**Species-wise Plantation area of KFDC as on 31.03.2023**

Sl. No.	Speceis	Area (Ha)
1	Teak	1387.890
2	Northern black wattle/ Mangium/Northern wattle	1749.887
3	Blue gum	2605.561
4	Cardamom	994.710
5	Mahogany	9.400
6	Bamboo	739.576
7	Malaveppu	86.762
8	Casuarina	6.020
9	Tea	100.670
10	Coffee	606.167
11	Cashew	334.163
12	Rubber	57.936
13	Pepper	3.800
14	Sandal wood	17.970
15	Red Sanders	80.977
16	Siris	65.670
17	Kumbil	53.084
18	Grassland	8.000
19	Kanala	2.000
20	Kadambu	2.000
21	Pine	18.080
22	Miscellaneous	28.650
Total		8958.973

Forest cover

The forest cover includes all lands which have a tree canopy density of 10% and above and have a minimum area of 1 ha.

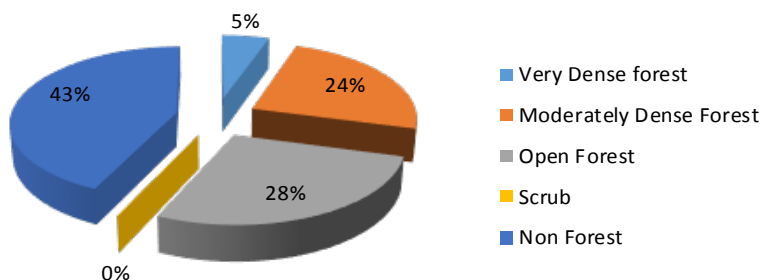
Table - 1.20**Forest cover classified in terms of canopy density classes**

Class	Description
Very Dense forest	All lands with tree canopy density of 70% and above
Moderately Dense Forest	All lands with tree canopy density of 40% and more but less than 70%
Open Forest	All lands with tree canopy density of 10% and more but less than 40%
Scrub	Degraded forest lands with canopy density less than 10%
Non-Forest	Lands not included in any of the above classes

Table - 1.21
Classification of Forest Cover

Class	Forest cover (km ²)	Forest cover (percentage of geographical area)
Very Dense Forest	2041	5.25
Moderately Dense Forest	9322	23.99
Open Forest	10696	27.53
Total Forest Cover *	22059	56.77
Scrub	21.88	0.06
Non Forest	16771.12	43.17

Classification of Forest Cover



*Includes 9.45 sq. km. under Mangrove Cover Percentage rounded off.
Source: ISFR 2023

State-wise Forest Cover

According to the India State of Forest Report (ISFR) 2023, Kerala's forest cover spans 22,059 km², accounting for 56.78% of the state's geographical area. This marks a 0.61% increase from the previous assessment. The state is home to 2,041 km² of very dense forest, 9,322 km² of moderately dense forest, and 10,696 km² of open forest. Compared to the ISFR 2021 report, Kerala's forest cover has increased by 133.42 km².*

At the national level, forest cover increased by 156.41 km² between the 2021 and 2023 assessments. The top three states contributing to this growth are Chhattisgarh (683.62 km²), Uttar Pradesh (559.19 km²), and Odisha (558.57 km²). As of 2023, India's total forest cover stands at 715,343 km², representing 21.76% of the country's total geographical area (32,87,469 km²).

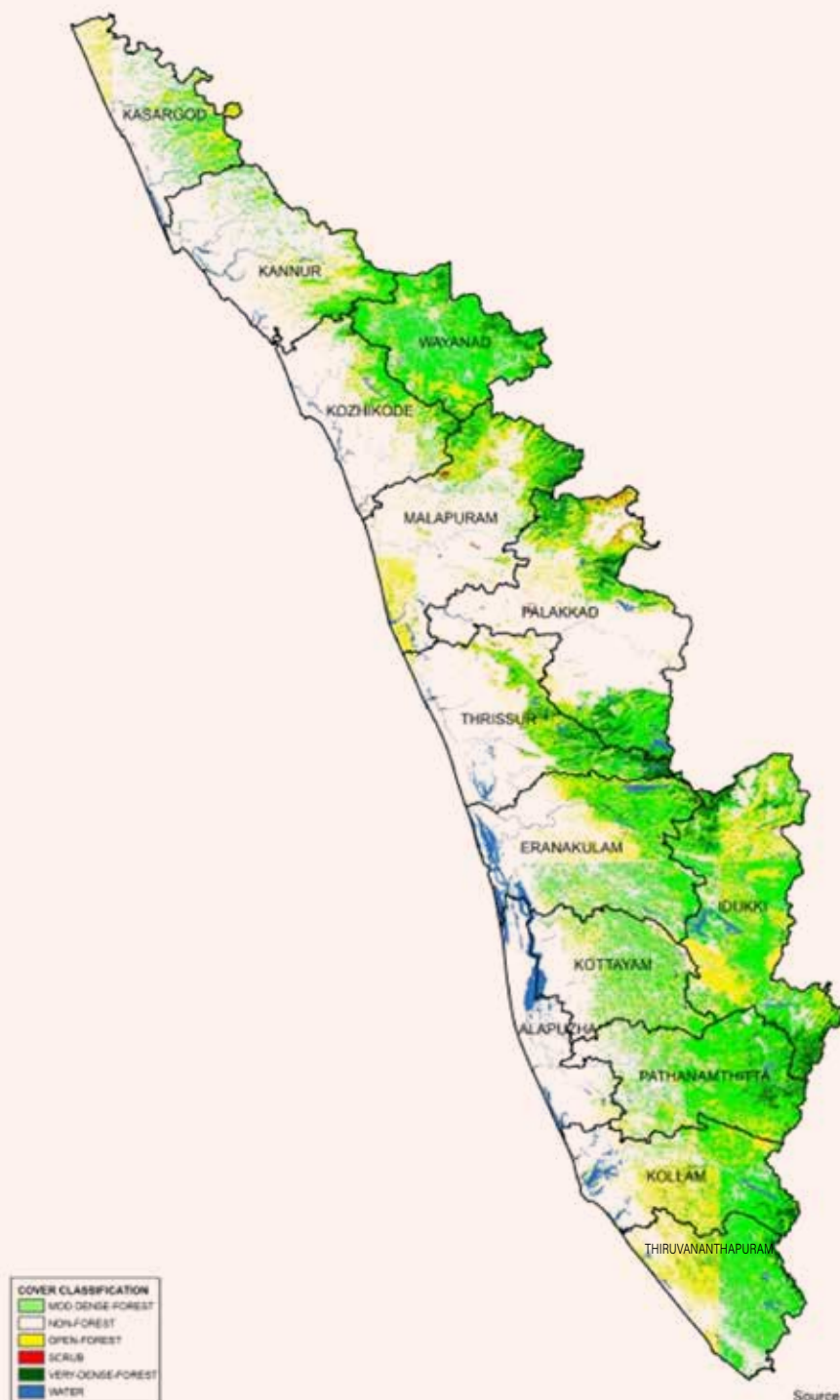
*Revised forest cover of Kerala as per ISFR 2021 is 21926 km²

Table - 1.22
State-wise forest cover in India 2023

State/UT	Forest cover (km ²)	Geographical area (km ²)	Forest cover (percentage of geographical area)
Andhra Pradesh	30,085	1,62,923	18.28
Arunachal Pradesh	65,882	83,743	79.33
Assam	28,314	78,438	36.09
Bihar	7,532	94,163	7.84
Chhattisgarh	55,812	1,35,192	41.21
Goa	2,266	3,702	60.62
Gujarat	15,017	1,96,244	7.61
Haryana	1,614	44,212	3.63
Himachal Pradesh	15,580	55,673	27.73
Jharkhand	23,766	79,716	29.76
Karnataka	39,254	1,91,791	20.19
Kerala	22,059	38,852	56.77
Madhya Pradesh	77,073	3,08,252	25.00
Maharashtra	50,859	3,07,713	16.53
Manipur	16,585	22,327	74.28
Meghalaya	16,967	22,429	75.65
Mizoram	17,990	21,081	85.34
Nagaland	12,222	16,579	73.72
Odisha	52,434	1,55,707	33.67
Punjab	1,846	50,362	3.67
Rajasthan	16,548	3,42,239	4.84
Sikkim	3,358	7,096	47.32
Tamil Nadu	26,450	1,30,060	20.34
Telangana	21,179	1,12,122	18.89
Tripura	7,585	10,486	72.33
Uttar Pradesh	15,046	2,40,928	6.25
Uttarakhand	24,304	53,483	45.44
West Bengal	16,832	88,752	18.97
Andaman and Nicobar Islands	6,733	8,249	81.62
Chandigarh	25.00	114	21.93
Dadra and Nagar Haveli & Daman and Diu	225.62	602	37.48
Delhi	195.28	1,483	13.17
Jammu and Kashmir	21,346	54,624	39.08
Lakshadweep	27.06	30.00	90.20
Ladakh	2,286	1,68,055	1.36
Puducherry	44.31	490	9.04

Source :ISFR 2023

DISTRICT WISE FOREST COVER OF KERALA



Source: Forest Survey of India

District-wise Forest Cover

Among Kerala's districts, Idukki has the largest forest cover (3,211 km²), followed by Malappuram (2,165 km²), Palakkad (2,047 km²), Kozhikode (1,882 km²), and Kannur (1,832 km²). In terms of the percentage of forest cover relative to total geographical area, Kozhikode leads with 80.26%, followed by Wayanad (74.8%), Idukki (73.71%), Thiruvananthapuram (63.7%), and Kannur (61.87%).

In Kerala there are 10 Hill Districts identified by Planning Commission of India, these are marked by superscript (^H) in table 1.23.

Table - 1.23
District-wise forest cover (area in km²)

District	Geographic Area	2023 Assessment				% of Geographic Area	Change wrt 2021 assessment	Scrub
		Very Dense Forest	Moderately Dense Forest	Open Forest	Total Forest Cover			
Thiruvananthapuram ^H	2189	63	700	631	1394	63.70	10.09	0.08
Kollam ^H	2483	10.35	484	702	1197	48.19	12.12	0
Pathanamthitta	2652	105	635	616	1356	51.15	4.23	0.15
Alappuzha	1415	0	20	121	141	9.96	-0.61	0
Kottayam	2206	74	407	863	1344	60.91	-7.10	0.85
Idukki ^H	4356	399	1808	1003	3211	73.71	5.06	0.03
Ernakulam	3063	190	632	647	1469	47.96	-2.00	0.54
Thrissur	3027	245	470	575	1290	42.62	10.79	0.00
Palakkad ^H	4482	164	1190	693	2047	45.67	23.18	0.68
Malappuram ^H	3554	406	618	1141	2165	60.91	3.52	12.01
Kozhikode ^H	2345	142	416	1324	1882	80.26	8.87	6.7 5
Wayanad ^H	2130	184	1208	202	1593	74.80	0.45	0.61
Kannur ^H	2961	58	493	1281	1832	61.87	28.66	0.10
Kasargode ^H	1989	0.38	241	896	1138	57.22	36.16	0.08
State Total	38852	2041	9322	10696	22059	56.78	133.42	21.88

H - Hill District

Source: ISFR 2023

District - wise Forest Cover in Kerala (in km²)

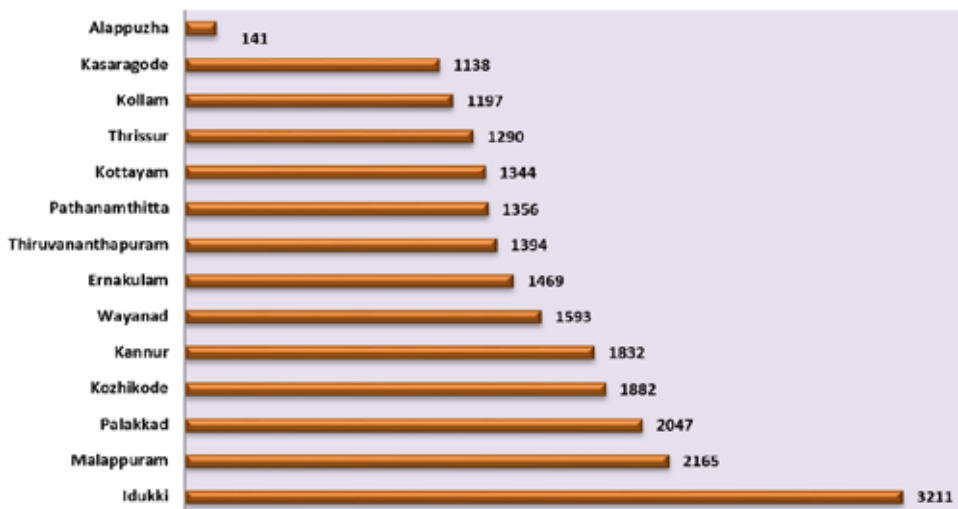


Table - 1.24

Forest cover in Kerala from 2015 to 2023

Year	2015	2017	2019	2021	2023
Forest Cover (in km ²)	19239	20321	21144	21926	22059

1.3 Fauna

The Kerala region of the Western Ghats is exceptionally rich in wildlife, supporting a high degree of endemism. The state's forests provide a safe haven for a diverse range of animal species. Notable wildlife includes the Tiger, Nilgiri tahr, Lion-tailed macaque, Gaur, and various endemic birds, fishes, amphibians, and reptiles. Kerala's unique geographical features contribute to its rich biodiversity and sustain numerous species.

Table - 1.25

Abstract of fauna endemic to Western Ghats and Kerala

Sl No	Group	Endemic to Western Ghats	Endemic to Kerala
1	Mammals	15	1
2	Birds	17	0
3	Amphibians	135	36
4	Reptiles	87	10
5	Fishes	131	57

Source : Nameer et al. (2015)

Faunal Diversity of Kerala

Table - 1.26

List of Endemic and RET Mammals recorded from Kerala

Sl.No.	English Name	Species Name	IUCN	END
1	Lion-tailed Macaque	<i>Macaca silenus</i>	EN	WG
2	Black-footed Gray Langur (Black-footed Grey Langur, Malabar Sacred Langur)	<i>Semnopithecus hypoleucos</i>	VU	WG
3	Nilgiri Langur	<i>Semnopithecus johnii</i>	VU	WG
4	Nilgiri Palm Squirrel	<i>Funambulus sublieatus</i>	VU	WG
5	Jungle Palm Squirrel (Western Ghats Striped Squirrel)	<i>Funambulus tristriatus</i>	LC	WG
6	Spiny Tree Mouse (Spiny Dormouse)	<i>Platacanthomys lasiurus</i>	VU	WG
7	Bonhote's Mouse (Servant Mouse)	<i>Mus famulus</i>	EN	WG
8	Ranjini's Field Rat (Kerala Rat)	<i>Rattus ranjinae</i>	EN	KL
9	Sahyadris Forest Rat	<i>Rattus satarae</i>	VU	WG
10	Nilgiri Vandeleuria (Nilgiri Long Tailed Tree Mouse)	<i>Vandeleuria nilagirica</i>	EN	WG
11	Day's Shrew	<i>Suncus dayi</i>	EN	WG
12	Hill Shrew (Indian Highland Shrew)	<i>Suncus niger</i>	NE	WG
13	Nilgiri Marten	<i>Martes gwatkinsi</i>	VU	WG
14	Brown Palm Civet (Jerdon's Palm Civet)	<i>Paradoxurus jerdoni</i>	LC	WG
15	Nilgiri Tahr	<i>Nilgiritragus hylocrius</i>	EN	WG

VU	VULNERABLE	LC	LEAST CONCERN
EN	ENDANGERED	NT	NEAR THREATENED
DD	DATA DEFICIENT	NE	NOT EVALUATED

Table - 1.27

List of Endemic and RET Birds recorded from Kerala

Sl.No.	English Name	Species Name	IUCN	END
1	Nilgiri Wood Pigeon	<i>Columba elphinstonii</i>	VU	WG
2	Malabar Grey Hornbill	<i>Ocyrceros griseus</i>	LC	WG
3	Malabar Barbet	<i>Psilopogon malabaricus</i>	LC	WG
4	Malabar Parakeet (Blue-winged Parakeet)	<i>Psittacula columboides</i>	LC	WG
5	White-bellied Treepie	<i>Dendrocitta leucogastra</i>	LC	WG
6	Crimson-backed Sunbird	<i>Leptocoma minima</i>	LC	WG
7	Nilgiri Pipit	<i>Aanthus nilghiriensis</i>	VU	WG

Sl.No.	English Name	Species Name	IUCN	END
8	Broad-tailed Grass Warbler (Broad-tailed Grassbird)	<i>Schoenicola platyurus</i>	VU	WG
9	Grey-headed Bulbul	<i>Brachypodius priocephalus</i>	NT	WG
10	Rufous Babbler	<i>Argysubrufa</i>	LC	WG
11	Wayanad Laughing-thrush	<i>Garrulax delesserti</i>	LC	WG
12	Kerala Laughing-thrush	<i>Trochaloxyeron fairbanki</i>	NT	WG
13	Black-chinned Laughing-thrush	<i>Trochaloxyeron cachinnans</i>	EN	WG
14	White-bellied Blue flycatcher	<i>Cyornis pallidipes</i>	LC	WG
15	Nilgiri Flycatcher	<i>Eumyias albicaudatus</i>	NT	WG
16	White-bellied Shortwing	<i>Brachypteryx Major</i>	EN	WG
17	Black-and-orange Flycatcher (Black and-rufous Flycatcher)	<i>Ficedula nigrorufa</i>	NT	WG

VU VULNERABLE LC LEAST CONCERN
 EN ENDANGERED NT NEAR THREATENED
 DD DATA DEFICIENT NE NOT EVALUATED

Table - 1.28

List of Endemic and RET Amphibians recorded from Kerala

Sl.No.	English Name	Species Name	IUCN	END
1	Beddome's Toad (Travancore Toad)	<i>Duttaphrynus beddomii</i>	EN	WG
2	Small-eared Toad (Southern Hill Toad)	<i>Duttaphrynus microtypanum</i>	VU	WG
3	Ridged Toad (Indian Toad)	<i>Duttaphrynus parietalis</i>	NT	WG
4	Silent Valley Toad (South Indian Hill Toad)	<i>Duttaphrynus silentvalleyensis</i>	DD	KL
5	Malabar Torrent Toad (Black Torrent Toad, Ornate Toad)	<i>Ghatophryne ornata</i>	EN	WG
6	Red Stream Toad (Kerala Stream Toad)	<i>Ghatophryne rubigina</i>	VU	WG
7	Malabar Tree Toad (Warty Asian Tree Toad)	<i>Pedostibes tuberculosus</i>	EN	WG
8	Minervarya Frog	<i>Minervarya sahyadris</i>	EN	WG
9	Short-webbed Frog (Peter's Frog, Pegu Wart Frog)	<i>Zakerana brevipalmata</i>	DD	WG
10	Nilgiris Wart frog (Nilgiri Frog)	<i>Zakerana nilagirica</i>	EN	WG
11	Parambikulam Wart Frog	<i>Zakerana parambikulamana</i>	DD	KL
12	Rufescent Burrowing Frog (Reddish Burrowing Frog)	<i>Zakerana rufescens</i>	LC	WG
13	Munnar Torrent Frog (Beautiful Dancing Frog)	<i>Micrixalus adonis</i>	NE	KL

Sl.No.	English Name	Species Name	IUCN	END
14	Elegant Torrent Frog (Elegant Dancing Frog)	<i>Micrixalus elegans</i>	DD	WG
15	Cold Stream Torrent Frog (Cold Stream Dancing Frog)	<i>Micrixalus frigidus</i>	NE	WG
16	Dusky Torrent Frog (kalakad Dancing Frog)	<i>Micrixalus fuscus</i>	NT	WG
17	Gadgil's Torrent Frog (Gadgil's Dancing Frog)	<i>Micrixalus gadgili</i>	EN	KL
18	Kallar Torrent Frog (Kallar Dancing Frog)	<i>Micrixalus herrei</i>	NE	WG
19	Kurichiyar Torrent Frog (Kurichiyar Dancing Frog)	<i>Micrixalus kurichiyari</i>	NE	KL
20	Mallan's Torrent Frog (Mallan's Dancing Frog)	<i>Micrixalus mallani</i>	NE	KL
21	Nelliampathi Torrent Frog (Nelliampathi Dancing Frog)	<i>Micrixalus nelliampathi</i>	NE	KL
22	Black-bellied Torrent Frog (Black-bellied Dancing Frog)	<i>Micrixalus nigraventris</i>	NE	WG
23	Naked Torrent Frog (Naked Dancing Frog)	<i>Micrixalus nudis</i>	VU	KL
24	Pink-thighed Torrent Frog (Nilgiri Torrent Frog, Nilgiri Dancing Frog)	<i>Micrixalus phyllophilus</i>	VU	WG
25	Sairandhri Torrent Frog (Sairandhri Dancing Frog)	<i>Micrixalus sairandhri</i>	NE	KL
26	Sali's Torrent Frog (Sali's Dancing Frog)	<i>Micrixalus sali</i>	NE	KL
27	Wayanad Torrent Frog (Wayanad Dancing Frog, Malabar Tropical Frog)	<i>Micrixalus saxicola</i>	VU	WG
28	Forest Torrent Frog (Forest Dancing Frog)	<i>Micrixalus silvaticus</i>	DD	KL
29	Thampi's Torrent Frog (Silent Valley Dancing Frog)	<i>Micrixalus thampii</i>	DD	KL
30	Black Microhylid Frog (Malabar Black narrow- mouthed frog, Orange Black Tubercled Indian Microhylid)	<i>Melanobatrachus indicus</i>	EN	WG
31	Ornate Narrow-mouthed Frog (Ornated Pygmy Frog)	<i>Microhyla ornata</i>	LC	WG
32	Anamalai Balloon Frog (Anamalai Balloon Frog)	<i>Uperodon anamalaiensis</i>	DD	WG
33	Jerdon's Balloon Frog	<i>Uperodon montanus</i>	NT	KL
34	Malabar Balloon Frog	<i>Uperodon triangularis</i>	VU	WG
35	Purple Frog (Pig Nose Frog)	<i>Nasikabatrachus sahyadrensis</i>	EN	WG
36	Spinular Night Frog	<i>Nyctibatrachus acanthodermis</i>	NE	KL

Sl.No.	English Name	Species Name	IUCN	END
37	Aliciae's Night Frog	<i>Nyctibatrachus aliciae</i>	EN	WG
38	Anamalai Night Frog	<i>Nyctibatrachus anamallaiensis</i>	NE	WG
39	Beddome's Night Frog (Pygmy Wrinkled Frog)	<i>Nyctibatrachus beddomii</i>	EN	WG
40	Anamalai Night Frog	<i>Nyctibatrachus deccanensis</i>	VU	WG
41	Deven's Night Frog	<i>Nyctibatrachus deveni</i>	NE	KL
42	Gavi Night Frog	<i>Nyctibatrachus gavi</i>	NE	KL
43	Indraneil's Night Frog	<i>Nyctibatrachus grandis</i>	NE	KL
44	Indraneil's Night Frog	<i>Nyctibatrachus indraneili</i>	NE	WG
45	Kempholey Night Frog	<i>Nyctibatrachus kempholeyensis</i>	DD	WG
46	Malabar Night Frog (Malabar Night Frog, Large Wrinkled Frog)	<i>Nyctibatrachus major</i>	VU	WG
47	Miniature Night Frog	<i>Nyctibatrachus minimus</i>	DD	KL
48	Kerala Night Frog	<i>Nyctibatrachus minor</i>	EN	KL
49	Periyar Night Frog	<i>Nyctibatrachus periyar</i>	NE	KL
50	Pillai's Night Frog	<i>Nyctibatrachus pillai</i>	NE	WG
51	Meowing Night Frog	<i>Nyctibatrachus poocha</i>	EN	WG
52	Kalakad Night Frog	<i>Nyctibatrachus vasanthi</i>	NE	WG
53	VUB Night Frog	<i>Nyctibatrachus vrijeuni</i>	NT	WG
54	Bicoloured Frog (Malabar Frog)	<i>Clinotarsus curtipes</i>		
55	Boulenger's Golden-backed Frog (Small Wood Frog, Trivandrum Frog)	<i>Indosylvirana aurantiaca</i>	VU	KL
56	Don's Golden-backed Frog	<i>Indosylvirana doni</i>	NE	KL
57	Yellowish Golden-backed Frog	<i>Indosylvirana flavescens</i>	NE	WG
58	Indian Golden-backed Frog	<i>Indosylvirana indica</i>	NE	WG
59	Rao's Intermediate Golden-backed Frog	<i>Indosylvirana intermedius</i>	NE	WG
60	Large Golden-backed Frog	<i>Indosylvirana magna</i>	NE	WG
61	Sreeni's Golden-backed Frog	<i>Indosylvirana sreeni</i>	NE	WG
62	Urban Golden-backed Frog	<i>Indosylvirana urbis</i>	NE	KL
63	Beddome's leaping Frog (Beddome's Indian frog)	<i>Indirana beddomii</i>	LC	WG
64	Anamalais Leaping Frog (Anamalais Indian frog)	<i>Indirana brachytarsus</i>	EN	WG
65	Spotted Leaping Frog (Malabar Indian Frog)	<i>Indirana diplosticta</i>	EN	WG
66	Boulenger's Leaping Frog (Boulenger's Indian Frog)	<i>Indirana leptodactyla</i>	EN	WG
67	Toad skinned Leaping Frog (Kerala Indian Frog)	<i>Indirana phrynoderma</i>	CR	WG
68	South Indian Frog	<i>Indirana semipalmata</i>	LC	WG

Sl.No.	English Name	Species Name	IUCN	END
69	Kadalar Swamp Frog	<i>Beddomixalus bijui</i>	NE	KL
70	Ghat Tree Frog (Star-eyed Tree Frog)	<i>Ghatixalus asterops</i>	DD	WG
71	Green Tree Frog	<i>Ghatixalus variabilis</i>	EN	WG
72	Myristica Swamp frog	<i>Mercurana myristicapalustris</i>	NE	KL
73	Charpa Tree frog	<i>Polypedates occidentalis</i>	DD	WG
74	False Hour-glass Tree Frog (Yellow Tree Frog)	<i>Polypedates pseudocruciger</i>	LC	WG
75	Kani Bush Frog	<i>Pseudophilautus kani</i>	LC	KL
76	Jerdon's Bush Frog	<i>Pseudophilautus wynaadensis</i>	EN	WG
77	Agasthyamala Bush Frog	<i>Raorchestes agasthyaensis</i>	NE	WG
78	Variable Bush Frog	<i>Raorchestes akroparallagi</i>	LC	WG
79	Anil's Bush Frog	<i>Raorchestes anili</i>	LC	WG
80	Archaic Bush Frog	<i>Raorchestes archeos</i>	NE	WG
81	Golden-eyed Frog	<i>Raorchestes aureus</i>	NE	WG
82	Beddome's Bush Frog	<i>Raorchestes beddomii</i>	NY	WG
83	Pleasant Bush Frog	<i>Raorchestes blandus</i>	NE	WG
84	Bob Inger's Bush Frog	<i>Raorchestes bobingeri</i>	VU	WG
85	Chalazodes Bubble Nest Frog	<i>Raorchestes chalazodes</i>	CR	WG
86	Seshachar's Bush Frog	<i>Raorchestes charius</i>	EN	WG
87	Green-eyed Bush Frog	<i>Raorchestes chlorosomma</i>	CR	WG
88	Small Bush Frog	<i>Raorchestes chotta</i>	DD	KL
89	Confusing Green Bush Frog	<i>Raorchestes chromasynchysi</i>	VU	WG
90	Bark Bush Frog	<i>Raorchestes crustai</i>	NE	WG
91	Kodaikanal Bush Frog	<i>Raorchestes dubois</i>	VU	WG
92	Yellow-bellied Bush Frog	<i>Raorchestes flaviventris</i>	DD	WG
93	Glandular Bush Frog (Beautiful Bush Frog, Pretty Bush Frog)	<i>Raorchestes glandulosus</i>	VU	WG
94	Ponmudi Bush Frog	<i>Raorchestes graminirupes</i>	VU	WG
95	Griet Bush Frog	<i>Raorchestes griet</i>	CR	WG
96	Jayaram's Bush Frog	<i>Raorchestes jayarami</i>	NE	WG
97	Johnceel's Bush Frog	<i>Raorchestes johnceei</i>	NE	WG
98	Kadalar Bush Frog	<i>Raorchestes kadalarensis</i>	NE	KL
99	Kaikatti Bush Frog	<i>Raorchestes kaikatti</i>	CR	KL
100	Kakachi Bush Frog	<i>Raorchestes kakachi</i>	NE	WG
101	White Patch Bush Frog	<i>Raorchestes leucolatus</i>	NE	WG
102	Beautiful Reed Bush Frog (Manohar's Bush Frog)	<i>Raorchestes manohari</i>	NE	WG
103	Mark's Bush Frog	<i>Raorchestes marki</i>	CR	WG
104	Munnar Bush Frog	<i>Raorchestes munnarensis</i>	CR	WG

Sl.No.	English Name	Species Name	IUCN	END
105	Water Drop Frog (Kalpetta Bush Frog)	<i>Raorchestes nerostagona</i>	EN	WG
106	Ochlandrae Reed Bush Frog	<i>Raorchestes ochlandrae</i>	DD	WG
107	Large Ponmudi Bush Frog	<i>Raorchestes ponmudi</i>	CR	WG
108	Ravi's Bush Frog	<i>Raorchestes ravii</i>	NE	WG
109	Resplendent Shrub Frog (Anamudi Bush Frog)	<i>Raorchestes resplendens</i>	CR	WG
110	Star-eyed Bush Frog	<i>Raorchestes signatus</i>	EN	WG
111	Sushil's Bush Frog	<i>Raorchestes sushili</i>	CR	WG
112	Theuerkauf's Bush Frog	<i>Raorchestes theuerkaufi</i>	NE	WG
113	Nilgiri Bush Frog	<i>Raorchestes tinniens</i>	EN	WG
114	Travancore Bush Frog	<i>Raorchestes travancoricus</i>	EN	WG
115	Kudremukh Bush Frog	<i>Raorchestes tuberothumerus</i>	DD	WG
116	Uthaman's Reed Bush Frog	<i>Raorchestes uthamani</i>	NE	KL
117	Kalakad Tree Frog	<i>Rhacophorus calcadensis</i>	EN	WG
118	Small Tree Frog	<i>Rhacophorus lateralis</i>	EN	WG
119	Malabar Gliding Frog (Malabar Flying Frog, Malabar Tree Frog)	<i>Rhacophorus malabaricus</i>	LC	WG
120	Malabar False Tree frog	<i>Rhacophorus pseudomala-baricus</i>	CR	WG
121	Beddome's Caecilian	<i>Ichthyophis beddomei</i>	LC	WG
122	Bombay Caecilian	<i>Ichthyophis bombayensis</i>	LC	WG
123	Kodagu Striped Caecilian	<i>Ichthyophis kodaguensis</i>	DD	WG
124	Long-headed Caecilian	<i>Ichthyophis longicephalus</i>	DD	KL
125	Three-colored Caecilian	<i>Ichthyophis tricolor</i>	LC	KL
126	Chengalam Caecilian	<i>Uraeotyphlus interruptus</i>	DD	KL
127	Malabar Caecilian	<i>Uraeotyphlus malabaricus</i>	DD	KL
128	Menon's Caecilian	<i>Uraeotyphlus menoni</i>	DD	KL
129	Narayan's Caecilian	<i>Uraeotyphlus narayani</i>	DD	KL
130	Oommen's Uraeotyphlus	<i>Uraeotyphlus oommeni</i>	DD	KL
131	Red Caecilian	<i>Uraeotyphlus oxyurus</i>	DD	KL
132	Periya Peak Caecilian	<i>Gegeneophis carnosus</i>	DD	KL
133	Malabar CardomomGegeneophis	<i>Gegeneophis primus</i>	DD	KL
134	Ramaswami's Caecilian	<i>Gegeneophis ramaswamii</i>	LC	WG
135	Tejaswini Gegeneophis	<i>Gegeneophis tejaswini</i>	NE	KL

VU
EN
DD

VULNERABLE
ENDANGERED
DATA DEFICIENT

LC
NT
NE

LEAST CONCERN
NEAR THREATENED
NOT EVALUATED

Table - 1.29
List of Endemic and RET Reptiles recorded from Kerala

Sl.No.	English Name	Species Name	IUCN	END
1	Cochin Forest Cane Turtle (Kerala Forest Terrapin, Kavalai Forest Turtle)	<i>Vijayachelys silvatica</i>	EN	WG
2	Travancore Tortoise (Forsten's Tortoise)	<i>Indotestudo travancorica</i>	VU	WG
3	Large-scaled Forest Lizard (Large-scaled Calotes)	<i>Calotes grandisquamis</i>	LC	WG
4	Nilgiri Forest Lizard	<i>Calotes nemoricola</i>	LC	WG
5	Elliot's Forest Lizard	<i>Calotes ellioti</i>	LC	WG
6	Indian Kangaroo Lizard	<i>Otocryptis beddomei</i>	EN	WG
7	Anamalai Spiny Lizard (Anamalai Salea)	<i>Salea anamallayana</i>	LC	WG
8	Horsfield's Spiny Lizard (Nilgiri Salea)	<i>Salea horsfieldii</i>	LC	WG
9	Beddome's Day Gecko	<i>Cnemaspis beddomei</i>	DD	WG
10	Slender Day Gecko	<i>Cnemaspis gracilis</i>	LC	WG
11	Indian Day Gecko	<i>Cnemaspis indica</i>	VU	WG
12	Kottiyur Day Gecko	<i>Cnemaspis kottiyooensis</i>	NE	KL
13	Coastal Day Gecko	<i>Cnemaspis littoralis</i>	DD	WG
14	Mountain Day Gecko	<i>Cnemaspis monticola</i>	DD	KL
15	Ponmudi Day Gecko	<i>Cnemaspis nairi</i>	NT	WG
16	Nilgiri Day Gecko	<i>Cnemaspis nilagirica</i>	DD	WG
17	Ornate Day Gecko (Ornate Dwarf Gecko)	<i>Cnemaspis ornata</i>	NT	WG
18	Sispara Day Gecko	<i>Cnemaspis sisparensis</i>	NT	WG
19	Wayanad Day Gecko	<i>Cnemaspis wynadensi</i>	EN	KL
20	Anaimalai Gecko	<i>Dravidogecko anamallensis</i>	NT	WG
21	Prashad's Gecko	<i>Hemidactylus prashadi</i>	LC	WG
22	Blue-bellied Tree Skink (Boulenger's Tree Skink)	<i>Dasia subcaeruleum</i>	EN	WG
23	Mountain Skink (Inger's Ponmudi Skink)	<i>Eutropis clivicola</i>	EN	KL
24	Beddome's Cat Skink (Beddome's Ristella)	<i>Ristella beddomii</i>	LC	WG
25	Gunther's Cat Skink (Gunther's Ristella)	<i>Ristella guentheri</i>	DD	WG
26	Rurk's Cat Skink (Rurk's Ristella)	<i>Ristella rurkii</i>	VU	WG
27	Travancore Cat Skink	<i>Ristella travancorica</i>	DD	WG
28	Beddome's Ground Skink	<i>Kaestlea beddomii</i>	LC	WG
29	Two-lined Ground Skink	<i>Kaestlea bilineata</i>	LC	WG
30	Side-spotted Ground Skink	<i>Kaestlea laterimaculata</i>	VU	WG
31	Travancore Ground Skink	<i>Kaestlea travancorica</i>	LC	WG
32	Palni Hills Ground Skink	<i>Kaestlea palnica</i>	DD	WG
33	Dussumier's Litter Skink (Dussumier's Forest Skink)	<i>Sphenomorphus dussumieri</i>	LC	WG
34	Earless Skink (Five fingered Skink)	<i>Chalcides pentadactylus</i>	DD	KL
35	Thurston's Worm Snake	<i>Gerrhopilus thurstoni</i>	DD	WG

Sl.No.	English Name	Species Name	IUCN	END
36	Tindall's Worm Snake	<i>Gerrhopilus tindalli</i>	DD	WG
37	Beddome's Worm Snake	<i>Gerrhopilus beddomii</i>	DD	WG
38	Pied-belly shieldtail (Beddome's Black Earth Snake)	<i>Melanophidium punctatum</i>	LC	WG
39	Yellow-striped Shieldtail (Two-lined Black Earth Snake)	<i>Melanophidium bilineatum</i>	VU	WG
40	WynadShieldtail (Indian Black Earth Snake)	<i>Melanophidium wynaudente</i>	LC	WG
41	Three-lined Shieldtail (Lined Thorntail Snake)	<i>Platyplectrurus trilineatus</i>	LC	WG
42	Three-lined Shieldtail	<i>Platyplectrurus madurensis</i>	EN	WG
43	Western Shieldtail (Purple-Red Earth Snake)	<i>Teretrurus sanguineus</i>	LC	WG
44	Golden Shieldtail (Kerala Burrowing Snake)	<i>Plectrurus aureus</i>	DD	KL
45	Purple Shieldtail (Gunther's Burrowing Snake)	<i>Plectrurus guentheri</i>	DD	WG
46	Perrotet'sShieldtail (Nilgiri Burrowing Snake)	<i>Plectrurus perroteti</i>	LC	WG
47	Wall's Shieldtail	<i>Brachyophidium rhodogaster</i>	LC	WG
48	Cochin Shieldtail (Southern Earth snake)	<i>Uropeltis nitida</i>	LC	KL
49	NilgiriShieldtail (Ocellated Shieldtail)	<i>Uropeltis ocellata</i>	LC	WG
50	Beddome's Shieldtail (Beddome's Earth Snake)	<i>Uropeltis beddomii</i>	DD	WG
51	AnamalaiShieldtail (Anamalai Earth Snake)	<i>Uropeltis macrorhyncha</i>	DD	WG
52	Black-bellied Shieldtail (Woodmason's Earth Snake)	<i>Uropeltis woodmasoni</i>	LC	WG
53	PeriyarShieldtail (Thirunelveli Earth Snake)	<i>Uropeltis arcticeps</i>	LC	WG
54	Red-spotted Shieldtail (Red-spotted Earth Snake)	<i>Uropeltis rubromaculatus</i>	LC	WG
55	Red-lined Shieldtail (Red-lined Earth Snake)	<i>Uropeltis rubrolineata</i>	LC	WG
56	Barred Shieldtail (Boulenger's Earth Snake)	<i>Uropeltis myhendrae</i>	DD	WG
57	Red-sided Shieldtail (Spotted Earth Snake)	<i>Uropeltis maculata</i>	DD	WG
58	Peter's Shieldtail (Peter's Earth Snake)	<i>Uropeltis petersi</i>	DD	WG
59	AshambuShieldtail (Gunther's Earth Snake)	<i>Uropeltis liura</i>	DD	WG
60	PalniShieldtail (Indian Earth Snake)	<i>Uropeltis pulneyensis</i>	LC	WG
61	Violet Shieldtail (Smith's Earth Snake)	<i>Uropeltis smithi</i>	NT	WG

Sl.No.	English Name	Species Name	IUCN	END
62	Red-bellied Shieldtail (Beddome's Shieldtail)	<i>Rhinophis sanguineus</i>	LC	WG
63	Cardamom Shieldtail (Cardamom Hills Earth Snake)	<i>Rhinophis fergusonianus</i>	DD	WG
64	Travancore Shieldtail (Tamil Nadu Earth Snake)	<i>Rhinophis travancoricus</i>	EN	WG
65	Black-spotted Kukri Snake	<i>Oligodon venustus</i>	LC	WG
66	Travancore Kukri Snake	<i>Oligodon travancoricus</i>	DD	WG
67	Western Kukri Snake	<i>Oligodon affinis</i>	LC	WG
68	Striped Kukri Snake (Short-tailed Kukri Snake)	<i>Oligodon brevicauda</i>	VU	WG
69	Ashok's Bronzeback Tree Snake	<i>Dendrelaphis ashoki</i>	LC	WG
70	Giri's Bronzeback Tree Snake	<i>Dendrelaphis giri</i>	LC	WG
71	Large-eyed Bronzeback Tree Snake	<i>Dendrelaphis grandoculis</i>	LC	WG
72	Southern Bronzeback Tree Snake	<i>Dendrelaphis chairecaeos</i>	NE	WG
73	Olive Forest Snake	<i>Rhabdops olivaceus</i>	LC	WG
74	Travancore Cat snake (Dighton's Cat Snake)	<i>Boiga dightoni</i>	DD	KL
75	Bronze-headed Vine Snake (Perrotet's Vine Snake)	<i>Ahaetulla perrotet</i>	EN	WG
76	Gunther's Vine Snake	<i>Ahaetulla dispar</i>	NT	WG
77	Captain wood Snake	<i>Xylophis captaini</i>	LC	WG
78	Stripped Narrow-headed Snake	<i>Xylophis perroteti</i>	LC	WG
79	Gunther's Narrow -headed Snake	<i>Xylophis stenorhynchus</i>	DD	WG
80	Beddome's Keelback (Nilgiri Keelback)	<i>Hebius beddomei</i>	LC	WG
81	Hill Keelback (Wayanad Keelback)	<i>Hebius monticola</i>	LC	WG
82	Dussumier's Smooth Scale Water snake (Kerala mud Snake)	<i>Dieurostus dussumieri</i>	LC	KL
83	Striped Coral Snake	<i>Calliophis nigrescens</i>	LC	WG
84	Bibron's Coral Snake	<i>Calliophis bibroni</i>	LC	WG
85	Large scaled Green Pit Viper	<i>Timeresurus macrolepis</i>	NT	WG
86	Malabar Pit Viper	<i>Timeresurus malabaricus</i>	LC	WG
87	Horseshoe Pit Viper	<i>Timeresurus strigatus</i>	LC	WG

VU
EN
DD

VULNERABLE
ENDANGERED
DATA DEFICIENT

LC
NT
NE

LEAST CONCERN
NEAR THREATENED
NOT EVALUATED

Table - 1.30
List of Endemic and RET Fresh water fishes recorded from Kerala

Sl.No.	English Name	Species Name	IUCN	END
1	Day's Round Herring	<i>Dayella malabarica</i>	LC	KL
2	Carnatic Carp	<i>Barbodes carnaticus</i>	LC	WG
3	Baker's Baril	<i>Barilius bakeri</i>	LC	KL
4	Emerald Baril	<i>Barilius gatensis</i>	LC	WG
5	Malabar Baril	<i>Barilius malabaricus</i>	NE	WG
6	Mascara Barb	<i>Dawkinsia assimilis</i>	VU	WG
7	Exclamation Barb	<i>Dawkinsia exclamatio</i>	EN	KL
8	Filament Barb	<i>Dawkinsia filamentosa</i>	LC	WG
9	Rohan's Barb	<i>Dawkinsia rohani</i>	VU	WG
10	Three Spot Barb	<i>Dawkinsia rubrotinctus</i>	NE	WG
11	Malabar Danio	<i>Devario malabaricus</i>	LC	WG
12	Nilgiri Danio	<i>Devario neilgherriensis</i>	EN	WG
13	Snakehead Barb	<i>Eechathalakenda ophicephalus</i>	EN	WG
14	South Indian Flying Barb	<i>Esomus barbatus</i>	LC	WG
15	Arunachalam's Stone Sucker	<i>Garra arunachalami</i>	CR	KL
16	Emarginate Stone Sucker	<i>Garra emarginata</i>	NE	KL
17	Hughe's Stone Sucker	<i>Garra hughi</i>	EN	KL
18	McClelland's Stone Sucker	<i>Garra maclellandi</i>	LC	WG
19	Menon's Stone Sucker	<i>Garra menoni</i>	VU	KL
20	Mlappara Stone Sucker	<i>Garra mlapparaensis</i>	NE	KL
21	Striped Stone Sucklet	<i>Garra mullya</i>	LC	WG
22	Periyar Stone Sucker	<i>Garra periyarensis</i>	VU	KL
23	Sahyadri Horned Stone Sucker	<i>Garra stenorhynchus</i>	LC	WG
24	Surendran's Stone Sucker	<i>Garra surendranathanii</i>	EN	KL
25	Periyar Latia	<i>Gonorhynchus periyarensis</i>	EN	KL
26	Nilgiri Melon Barb	<i>Haludaria fasciata</i>	LC	WG
27	Melon Barb	<i>Haludaria melanampyx</i>	DD	KL
28	Krishna Carp (Dobson's Carp)	<i>Hypselobarbus dobsoni</i>	DD	WG
29	Jerdon's Carp	<i>Hypselobarbus jerdoni</i>	LC	WG
30	Canara Barb	<i>Hypselobarbus lithopidos</i>	DD	WG
31	Korhi Barb	<i>Hypselobarbus micropogon</i>	EN	WG
32	Kurali Barb	<i>Hypselobarbus mussullah</i>	LC	WG
33	Periyar Barb	<i>Hypselobarbus periyarensis</i>	EN	KL
34	Red Canarese Barb	<i>Hypselobarbus thomassi</i>	CR	WG
35	Black Labeo	<i>Labeo nigrescens</i>	NE	WG
36	Burjor's Brilliance (Dadio)	<i>Laubuca dadiburjori</i>	LC	WG
37	Periyar Hill Barb	<i>Lepidopygopsis typus</i>	EN	KL
38	Wayanad Mahseer	<i>Neolissochilus wynaadensis</i>	CR	WG

Sl.No.	English Name	Species Name	IUCN	END
39	Kerala High Fin Barb	<i>Oreochthys incognito</i>	NE	KL
40	Baker's Barb	<i>Osteobrama bakeri</i>	LC	KL
41	Neil's Barb	<i>Osteobrama neilli</i>	LC	WG
42	Kantaka Barb	<i>Osteochilichthys brevidorsalis</i>	LC	WG
43	Long Finned Kerala Barb	<i>Osteochilichthys longidorsalis</i>	EN	KL
44	Nash's Barb	<i>Osteochilichthys nashii</i>	LC	WG
45	Thomas' Barb	<i>Osteochilichthys thomassi</i>	LC	WG
46	Black Finned Barb	<i>Pethia nigripinna</i>	NE	WG
47	Pookode Barb	<i>Pethia pookodensis</i>	CR	KL
48	Dotted Sawfin Barb	<i>Pethia punctata</i>	LC	WG
49	Cauvery Barb	<i>Puntius cauveriensis</i>	EN	WG
50	Long Snouted Barb	<i>Puntius dorsalis</i>	LC	WG
51	Madhusoodan's Barb	<i>Puntius madhusoodani</i>	NE	KL
52	Mahe Barb	<i>Puntius mahecola</i>	DD	KL
53	One spot Barb	<i>Puntius melanostigma</i>	NE	KL
54	Parrah Barb	<i>Puntius parrah</i>	LC	KL
55	Chalakudy Redline Torpedo Barb	<i>Sahyadria chalakkudiensis</i>	EN	KL
56	Denison's Barb (Miss Kerala)	<i>Sahyadria denisonii</i>	EN	WG
57	Silver Razorbelly Minnow	<i>Salmophasia acinaces</i>	LC	WG
58	Balooke Razorbelly Minnow	<i>Salmophasia balooke</i>	LC	WG
59	Boopis Razorbelly Minnow	<i>Salmophasia boopis</i>	LC	WG
60	Swamp Barb	<i>Systomus subnasutus</i>	NE	WG
61	Deccan Mahseer	<i>Tor khudree</i>	EN	WG
62	Malabar Mahseer	<i>Tor malabaricus</i>	EN	WG
63	Chinnar Mahseer	<i>Tor remadeviae</i>	NE	KL
64	Indian Coolie Loach	<i>Pangio goaensis</i>	LC	WG
65	Silent Valley Stone Loach	<i>Balitora jalpalli</i>	NE	KL
66	Mysore Stone Loach	<i>Balitora mysorensis</i>	VU	WG
67	Bhavani Stone Loach	<i>Bhavana australis</i>	LC	WG
68	Menon's Stone Loach	<i>Ghatsa menoni</i>	LC	WG
69	Anamalai Stone Loach	<i>Ghatsa montana</i>	EN	WG
70	Pillai's Stone Loach	<i>Ghatsa pillaii</i>	LC	KL
71	Santhampara Stone Loach	<i>Ghatsa santhamparaiensis</i>	EN	KL
72	Silas's Stone Loach	<i>Ghatsa silasi</i>	NE	KL
73	Elongated Stone Loach	<i>Travancoria elongata</i>	EN	KL
74	Jone's Stone Loach	<i>Travancoria jonesi</i>	EN	KL
75	Mooreh Loach	<i>Acanthocobitis mooreh</i>	LC	WG
76	Gunther's Loach	<i>Mesonoemacheilus guentheri</i>	LC	WG
77	Anamalai Loach	<i>Mesonoemacheilus herrei</i>	CR	WG

Sl.No.	English Name	Species Name	IUCN	END
78	Menon's River Loach	<i>Mesonoemacheilus menoni</i>	VU	KL
79	Pambar Loach	<i>Mesonoemacheilus pambarensis</i>	VU	KL
80	Periyar Loach	<i>Mesonoemacheilus periyarensis</i>	VU	KL
81	Pretty Spotted Loach	<i>Mesonoemacheilus pulchellus</i>	EN	KL
82	Remadevi's Loach	<i>Mesonoemacheilus remadeviae</i>	LC	KL
83	Zodiac Loach	<i>Mesonoemacheilus triangularis</i>	LC	WG
84	Black Lined Loach	<i>Nemacheilus anguilla</i>	LC	WG
85	Black Bead Loach	<i>Nemacheilus monilis</i>	LC	WG
86	Denison's Loach	<i>Schistura denisoni</i>	LC	WG
87	Nilgiri Loach	<i>Schistura nilgiriensis</i>	LC	WG
88	Small-spotted Loach	<i>Schistura semiarmata</i>	LC	WG
89	Long Bodied Striped Loach	<i>Schistura striata</i>	LC	WG
90	Travancore Batasio	<i>Batasio travancoria</i>	VU	KL
91	Cauvery Giant Catch	<i>Hemibagrus punctatus</i>	CR	WG
92	Yellow Catfish Gunther Caf	<i>Horabagrus brachysoma</i>	VU	WG
93	Imperial Collared Cath	<i>Horabagrus nigricollaris</i>	EN	KL
94	Dwarf MystusCattah	<i>Mystus armatus</i>	LC	WG
95	Malabar Mystus	<i>Mystus malabaricus</i>	NT	WG
96	WynadMystus	<i>Mystus montanus</i>	LC	WG
97	Spotted Mystus	<i>Mystus oculatus</i>	LC	WG
98	Malabar Butter Catfish	<i>Ompok malabaricus</i>	LC	WG
99	Wayanad Catfish	<i>Pterocryptis wynaadensis</i>	EN	WG
100	Shaji's blind Catfish	<i>Kryptoglanis shajii</i>	NE	KL
101	Mitchell's River Catfish	<i>Pseudeutropius mitchelli</i>	EN	KL
102	Anamalai Mountain Catfish	<i>Glyptothorax anamalaiensis</i>	EN	WG
103	Annandale's Mountain Catfish	<i>Glyptothorax annandalei</i>	LC	WG
104	Nilambur Mountain Catfish	<i>Glyptothorax davissinghi</i>	EN	KL
105	Elankadu Mountain Catfish	<i>Glyptothorax elankadensis</i>	NE	KL
106	Valparai Mountain Catfish	<i>Glyptothorax housei</i>	EN	WG
107	Madras Mountain Catfish	<i>Glyptothorax madraspatanus</i>	EN	WG
108	Malabar Mountain Catfish	<i>Glyptothorax malabarensis</i>	DD	KL
109	Southern Indian Torrent Catfish	<i>Pseudolaguvia austrina</i>	DD	KL
110	Malabar Clarid	<i>Clarias dayi</i>	NE	WG
111	Valencienne'sClarid	<i>Clarias dussumieri</i>	NT	KL
112	Abdulkalam's Blind Cave Catfish	<i>Horaglanis abdulkalami</i>	DD	KL
113	Alikunhi's Blind Cave Catfish	<i>Horaglanis alikunhii</i>	DD	KL
114	Blind Cave Catfish	<i>Horaglanis krishnai</i>	NE	KL
115	Mosquito Fish	<i>Gambusia affinis</i>	LC*	Exotic
116	Guppy	<i>Poecilia reticulata</i>	LC*	Exotic

Sl.No.	English Name	Species Name	IUCN	END
117	Red-Tipped Halfbeak	<i>Hyporhamphus xanthopterus</i>	VU	KL
118	Swamp Eel	<i>Monopterus digressus</i>	DD	KL
119	Eapen's Swamp Eel	<i>Monopterus eapeni</i>	DD	KL
120	Malabar Swamp Eel	<i>Monopterus fossorius</i>	EN	KL
121	Rosen's Swamp Eel	<i>Monopterus roseni</i>	DD	KL
122	Malabar Spiny Eel	<i>Macrognaethus guentheri</i>	LC	WG
123	Malabar Tyre-Track Eel	<i>Mastacembelus malabaricus</i>	NE	KL
124	Western Ghats Glassy Perchlet	<i>Parambassis thomassi</i>	LC	WG
125	Western Ghats Dario	<i>Dario urops</i>	NE	WG
126	Common Catpora	<i>Pristolepis marginata</i>	LC	WG
127	Red Finned Catopra	<i>Pristolepis rubripinnis</i>	NE	KL
128	Mozambique Tilapia	<i>Oreochromis mossambicus</i>	NT*	Exotic
129	Day's Paradise Fish	<i>Pseudosphromenus dayi</i>	VU	KL
130	Tiger Snakehead	<i>Channa diplogramma</i>	VU	WG
131	Malabar Puffer Fish	<i>Carinotetraodon travancoricus</i>	VU	WG

VU	VULNERABLE	LC	LEAST CONCERN
EN	ENDANGERED	NT	NEAR THREATENED
DD	DATA DEFICIENT	NE	NOT EVALUATED

PROTECTED AREA

Protected areas in Kerala host the highest species diversity in the state. Kerala has 6 National Parks, 18 Wildlife Sanctuaries (including two Tiger Reserves), and one Community Reserve. Together, these areas constitute 29.84% of the state's total forest area and play a crucial role in conserving threatened species.

Table - 1.31

List of Wildlife Sanctuaries, National Parks, Community Reserve and Biosphere Reserves

Sl. No.	Name	Area (km ²)	Year of formation
NATIONAL PARKS			
1	Eravikulam National Park	97.000	1978
2	Periyar National Park*	350.000	1982
3	Silent Valley National Park	89.520	1984
4	Anamudi Shola National Park	7.500	2003
5	Mathikettan Shola National Park	12.817	2003
6	Pambadum Shola National Park	1.318	2003
WILDLIFE SANCTUARIES			
1	Periyar WLS *	777.000	1950
2	Neyyar Wildlife Sanctuary	128.000	1958
3	Peechi - Vazhani Wildlife Sanctuary	125.000	1958

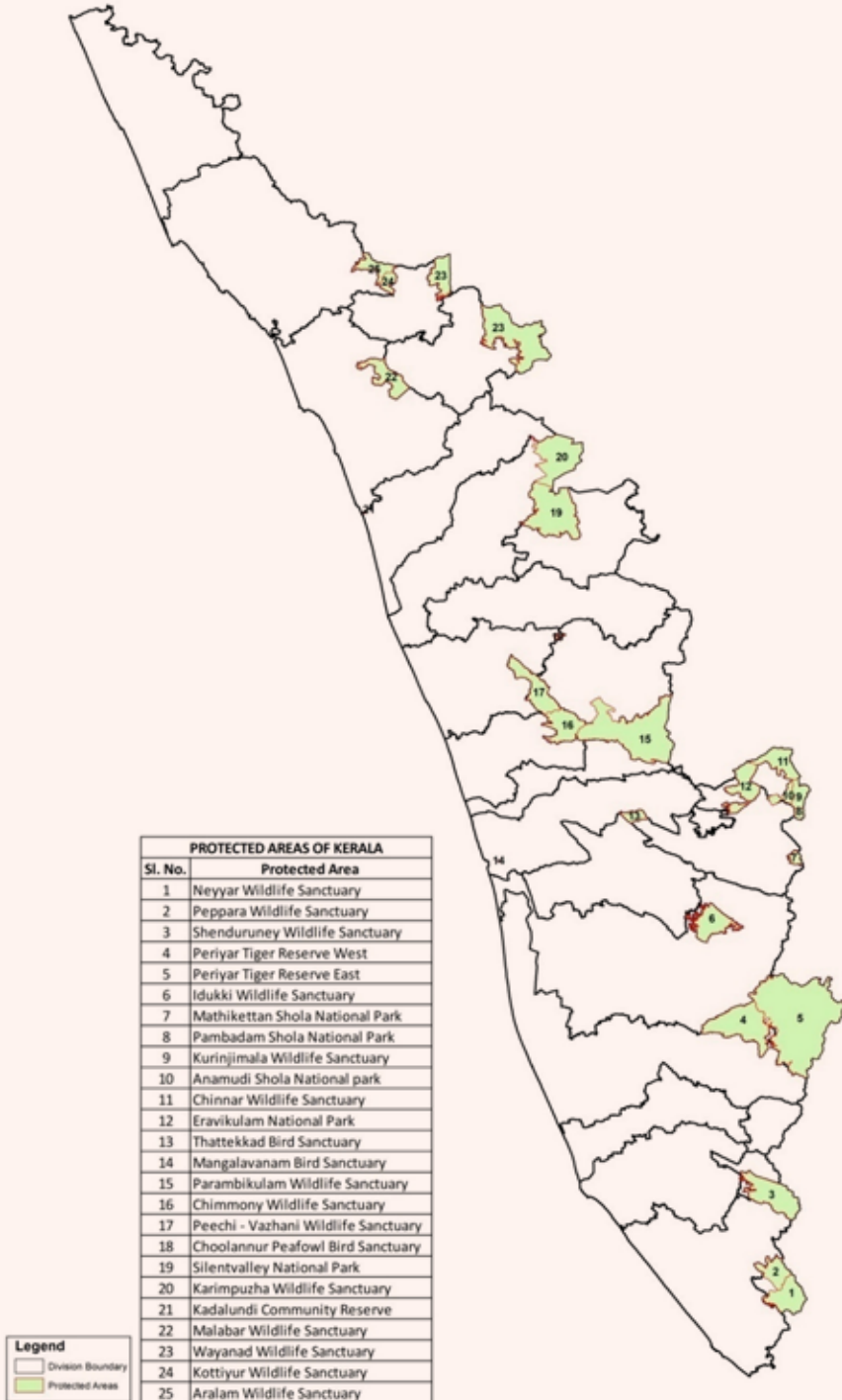
Sl. No.	Name	Area (km ²)	Year of formation
4	ParambikulamWLS **	285.000	1973
5	Wayanad Wildlife Sanctuary	344.440	1973
6	Idukki Wildlife Sanctuary	70.000	1976
7	Peppara Wildlife Sanctuary	53.000	1983
8	Thattekkad Bird Sanctuary	25.000	1983
9	Shenduruney Wildlife Sanctuary	171.000	1984
10	Chinnar Wildlife Sanctuary	90.440	1984
11	Chimmony Wildlife Sanctuary	85.000	1984
12	Aralam Wildlife Sanctuary	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 Wildlife Sanctuary	30.380	2011
18	Karimpuzha Wildlife Sanctuary	227.970	2019
TIGER RESERVE			
1	Periyar Tiger Reserve	925.000	2007
2	Parambikulam Tiger Reserve	643.660	2009
ELEPHANT RESERVE			
1	Wayanad Elephant Reserve	1200.000	2002
2	Nilambur Elephant Reserve	1730.000	2002
3	Anamudi Elephant Reserve	3728.000	2002
4	Periyar Elephant Reserve	3742.000	2002
COMMUNITY RESERVE			
1	Kadalundi-Vallikunnu Community Reserve	1.500	2007
BIOSPHERE RESERVE			
1	Agasthyamala Biosphere Reserve (Kerala Part)	1828.000	2001
2	Nilgiri Biosphere Reserve (Kerala Part)	1455.400	1986

* Included in the Periyar Tiger Reserve

** Included in the Parambikulam Tiger Reserve

Source:www.forest.kerala.gov.in

PROTECTED AREAS OF KERALA



Source: www.forest.kerala.gov.in

Table - 1.32
Status of Management Plan

Sl. No.	Name	Area (km ²)	Period
1	Eravikulam National Park	97.000	Revision under process
2	Silent Valley National Park	89.52	2022-23 to 2031-32
3	Anamudi Shola National Park	7.500	2020 - 21 to 2029 - 30
4	Mathikettan Shola National Park	12.817	2020 - 21 to 2029 - 30
5	Pambadum Shola National Park	1.318	2020 - 21 to 2029 - 30
6	Periyar Tiger Reserve	925.000	2021 - 22 to 2030 - 31
7	Neyyar Wildlife Sanctuary	128.000	2022 - 23 to 2031 - 32
8	Peechi - Vazhani Wildlife Sanctuary	125.000	Revision under processing
9	Parambikulam Tiger Reserve	643.660	2021 - 22 to 2030 - 31
10	Wayanad Wildlife Sanctuary	344.440	Revision under processing
11	Idukki Wildlife Sanctuary	70.000	2022 - 23 to 2031 - 32
12	Peppara Wildlife Sanctuary	53.000	Revision under processing
13	Thattekkad Bird Sanctuary	25.000	Revision under processing
14	Shenduruney Wildlife Sanctuary	172.403	Revision under processing
15	Chinnar Wildlife Sanctuary	90.440	Revision under processing
16	Chimmony Wildlife Sanctuary	85.000	Revision under processing
17	Aralam Wildlife Sanctuary	55.000	Revision under processing
18	Mangalavanam Bird Sanctuary	0.027	Revision under processing
19	Kurinjimala Sanctuary	32.000	Revision under processing
20	Choolannur Pea fowl Sanctuary	3.420	Revision under processing
21	Malabar sanctuary	74.215	2021 - 22 to 2030 - 31
22	Kadalundi - Vallikunnu Community Reserve	1.538	2016 - 17 to 2025 - 26
23	Kottiyoor Wildlife Sanctuary	30.380	2013 - 14 to 2022 - 23
24	Karimpuzha Wildlife Sanctuary	227.97	Revision under processing
Total		3294.648	

Elephant Corridors

Wildlife corridors are essential for mitigating human-wildlife conflict and ensuring the free movement of elephants. Elephants display nomadic and seasonal migratory behaviour, making habitat connectivity critical. The Kerala Forest Department has implemented several measures to safeguard these habitats. Forest fragmentation poses a significant challenge to corridor protection. As per the second edition of 'Right of Passage: Elephant Corridors of India' (2017), four major elephant corridors have been identified in Kerala.

Table - 1.33
List of Elephant corridors

Sl. No.	Name of the Corridor	Name of Division	Status of Notification	Corridor		Major land use	Frequency of usage by elephants
				Length in (km)	Width in (km)		
1	Thirunelli – Kudrakote (state corridor)	Wayanad(N)	Secured and notified	6.00	1-1.5	Forest	Frequent
2	Nilambur – Kovilakom – New Amarambalam (state corridor)	Nilambur (N) and (S)	No acquisition needed	1.00	0.50	Forest	Frequent
3	Peria at Pakranthalam (state corridor)	Wayanad (N)	Land to be acquired	0.50	0.20	Forest, fallow land and settlements	Frequent
4	Kottiyoor-Periya (state corridor)	Kannur-Wayanad(N)	Land acquisition is in progress. 29.592 Ha already acquired	0.50	0.10	Forest and settlements	Occasional

Elephant Population Estimation

In 2017, the All India Synchronized Elephant Population Estimation was conducted in Kerala with the participation of Periyar and Parambikulam Tiger Foundation and the Kerala Forest Research Institute. The estimated elephant population in Kerala was 5,706, with a density of 0.59 elephants per square kilometer.

The estimated number of elephants from dung count method during 2017 along with the estimated elephant populations during previous estimation are given below.

Table - 1.34
Number of elephants from dung count method

Elephant Reserve	2005		2007		2010		2012		2017	
	No.	Sex-ratio*	No.	Sex-ratio*	No.	Sex-ratio*	No.	Sex-ratio*	No.	Sex-ratio*
Wayanad	882	1:2.60	1240	1:1.95	1155	1:1.90	1483	1:2.24	5706	1:1.51
Nilambur	334	1:1.23	663	1:1.44	1044	1:1.30	647	1:1.15		
Anamudi	2299	1:4.69	2505	1:4.52	2220	1:2.10	2086	1:4.98		
Periyar	1620	1:3.93	1660	1:2.87	1758	1:1.3	1810	1:2.30		
Total	5135	1:3.38	6068	1:2.96	6177	1:1.68	6026	1:2.71	5706	1:1.51

Source: Elephant Population Estimation 2012- Kerala

*Sex-ratio (Male to female in adult population)

Tiger Population Estimation

The monitoring of tigers, co-predators, prey, and habitats was conducted in Kerala as part of the All India Tiger Estimation under the guidelines of the National Tiger Conservation Authority (NTCA) from 16th to 23rd December 2013 and the new census is also in progress. The report published by the Ministry of Environment,

Forest and Climate Change (MoEF&CC) indicates that Kerala's tiger population has increased from 71 in 2010 to 136 in the latest assessment, highlighting a substantial rise in tiger numbers across the Western Ghats landscape. A comparison of the population of tigers as per the past estimations is given in below.

Table - 1.35
Tiger population estimation for the last 6 years

Year	2002	2006	2010	2014	2018	2022
Number	71	46	71	136	190	213 (SE 16)

Nilgiri Tahr Population Estimation

The Nilgiri tahr, an endemic species with a restricted distribution in the Southern Western Ghats of Kerala and Tamil Nadu, faces threats due to habitat fragmentation and human intervention. Classified as 'Endangered' by the IUCN Red List, it is also listed under Schedule I of the Wildlife (Protection) Act, 1972.

The estimated population figures of Nilgiri Tahr in Eravikulam National Park during last 11 years are given below.

Table - 1.36
Nilgiri Tahr population estimation in EVNP (2013 to 2023)

Year	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Population	873	894	900	664	575	643	526	723	782	785	803

The estimated population figures of Nilgiri Tahr in Parambikulam Tiger Reserve and Silent Valley National Park in 2020 are given below.

Table - 1.37
Nilgiri Tahr population estimation in Parambikulam Tiger Reserve & Silent Valley National Park in 2020

Landscape	Division	Number of Nilagiri Tahr sighted
Parambikulam	Nenmara	31
	Chalakkudy	2
	Malayattoor	9
Silent Valley	Silent Valley	7
	Mannarkkad	24
	Palakkad	9
Total		82

Species-wise Population Estimation of other animals

A general wildlife enumeration was conducted from May 18th to 20th, 2011, in collaboration with the Kerala Forest Research Institute (KFRI), Peechi, Thrissur. The previous general wildlife enumerations were conducted in 2002, 1997 and 1993.

Table - 1.38**Species-wise population estimation of other animals**

Sl. No.	Species	No. of animals (1993)	No. of animals (1997)	No. of animals (2002)	No. of animals (2011)
1	Gaur	4840	4151	14787	17860
2	Malabar Giant Squirrel	1384	63474	88919	---
3	Nilgiri Langur	2987	24809	51517	---
4	Sambar Deer	10665	13661	30414	32148
5	Spotted Deer	6259	14881	38391	11398
6	Wild Pig	40963	40425	60940	48034
7	Nilgiri Tahr	1075	1008	902	---
8	Tiger	76	73	71±7	---

Captive Elephants

The Wildlife (Protection) Act, 1972, and the Kerala Captive Elephant (Management & Maintenance) Rules, 2012, are strictly enforced to regulate captive elephant welfare. State-level and district-level task forces constituted as per G.O (Ms) No.03/2015/F&WLD dated 17.01.2015 oversee captive elephant management. To enhance handling and care, the Kerala Forest Department has trained 430 owners and 2,842 mahouts. As of now, Kerala has 424 captive elephants, with 382 privately owned and 42 under department care. In 2022-23, 25 captive elephant deaths were recorded.

Table - 1.39**Details of Captive Elephants**

No. of elephants implanted with microchip		No. of elephants not implanted with microchip		No. of elephants died	
Privately owned	Department owned	Privately owned	Department owned	Privately owned	Department owned
382	35	0	7	25	0

Table - 1.40**Division-wise number of departmental elephants**

Sl. No.	Division	Number of elephants
1	ERC, Kottoor (WL Division Tvpm)	16
2	Konni	6
3	Wayanad Wildlife	12
4	Palakkad	2
5	NSC Kalady	6
Total		42

Table - 1.41
Details of departmental elephants

Division	Sl. No	Name of Elephant	Micro-chip number	Age	Sex	Height (cm)
ERC, Kottoor (Wildlife, Tvpmm)	1	Soman	00065DB7BJ	81	Male	285
	2	Rajkumar	00065EB67D	46	Makhna	303
	3	Jayasree	00065DA37H	50	Female	252
	4	Ammu	00065D95E5	22	Female	259
	5	Minna	000658BFCF	22	Female	250
	6	Raja	00065DC227	10	Male	225
	7	Rana	00065ECD23	9	Male	237
	8	Podichi	00065ED152	8	Female	208
	9	Hari Krishnan	Not implanted	31	Male	292
	10	Arjun	000658D973	5	Male	180
	11	Poorna	00065EB6C6	7	Female	186
	12	Maya	00065D7A6E	6	Female	165
	13	Manu	00065EBF4D	5	Male	185
	14	Kannan	00065E9E8C	5	Male	152
	15	Sreekutty	Not implanted	2	Female	120
	16	Amena	Not implanted	4	Female	123
Konni	17	Eva	00065DC7EQ	23	Female	237
	18	Krishna	000658DD68	12	Male	170
	19	Kochayyappan (calf)	Not implanted	2.5	Male	122
	20	Meena	000658C223	34	Female	258
	21	Neelakandan	00065EA6E9	28	Male	300
	22	Priyadarshini	00065EA5AF	41	Female	252
Wayanad Wildlife	23	Kunju	000658EF9E	35	Male	282
	24	Suryan	00065DAEE3	29	Male	278
	25	Pramukha	00065DAF41	45	Makhna	276
	26	Chandranath	0006E4CA5E	27	Male	272
	27	Bharath	00065EC8A5	32	Male	263
	28	Vikram	Not implanted	38	Male	258
	29	Unnikrishnan	000658B4D6	14	Male	238
	30	Sundari	00065D78F0	13	Female	229
	31	Ammu	00065EB384	8	Female	161
	32	Chandu	00065ECBF4	7	Male	148
	33	Surendran	00065D7F6D	26	Male	287
	34	PM2	Not implanted			
Palakkad	35	Agasthyam	000658C214	16	Male	255
	36	PT7 (Dhoni)	Not implanted			
Abhayaranyam NSC Kalady	37	Hariprasad	961001000003890	46	Male	271
	38	Sunitha	00065EAE98	52	Female	139
	39	Asha	000658E6DD	22	Female	140
	40	Parvathy	00065EB28E	22	Female	141
	41	Anjana	00065EA472	18	Female	142
	42	Peelandy Chandru	00065ECFOB	43	Male	142

1.4 Special Habitats

Mangroves

Kerala's mangrove forests, located along coastal regions, backwaters, and estuaries, are vital ecosystems that support biodiversity. These forests act as natural coastal buffers, protecting against erosion and storm surges, and serve as carbon sinks to mitigate climate change. Conservation efforts are ongoing to restore and protect these critical habitats.

Consolidated information about the total cover and number of patches of mangroves in the various districts of the state is furnished hereunder.

Table - 1.42
District-wise mangrove details

SI No.	Name of district	Total Cover (Ha)	Number of patches
1	Thiruvananthapuram	1.12	43
2	Kollam	46.66	285
3	Kottayam	2.28	32
4	Alappuzha	140.84	657
5	Ernakulam	583.18	1437
6	Thrissur	53.49	173
7	Malappuram	49.39	104
8	Kozhikkode	120.15	377
9	Kannur	1602.34	1463
10	Kasargode	125.97	228
Total		2725.42	4799

Sacred groves

Sacred groves in Kerala are ecologically significant areas preserved by local communities for religious and cultural reasons. These sites harbor rare plant and animal species, contributing to biodiversity conservation. In 2022-23, 51 sacred groves were conserved with an allocation of ₹12,02,200. Consolidated information about the number of sacred groves and extent of wooded area spread over in the various districts of the state is furnished hereunder.

Table - 1.43
District-wise sacred grove details

SI No.	Name of district	Number of SGs	Extent of wooded area (Ha)
1	Thiruvananthapuram	452	46
2	Kollam	895	98
3	Pathanamthitta	721	56
4	Alappuzha	2242	183
5	Kottayam	562	34
6	Idukki	32	3
7	Ernakulam	708	63

SI No.	Name of district	Number of SGs	Extent of wooded area (Ha)
8	Thrissur	970	33
9	Palakkad	184	22
10	Kozhikkode	1228	140
11	Wayanad	137	25
12	Malappuram	1120	88
13	Kannur	1096	652
14	Kasargode	392	148
Total		10739	1591

Myristica Swamp Area

Myristica Swamps are a type of freshwater swamp forests predominantly composed of species of Myristica (a genus of trees in the family Myristicaceae). They are characterised by the presence of aerial roots (knee roots and stilt roots) and require special abiotic conditions for development and to sustain itself. This type of forest is found only in two localities in India (i) Uttara Kannada, district of Karnataka state and (ii) Southern parts of Kerala State. In Kerala, this forest type is found predominantly in Kulathupuzha range and its bordering Shendurney wildlife sanctuary and Anchal Range in Punalur Forest Division.



Table - 1.44
Details of Myristica swamp area

SI No	Location	Number of patches	Area (Ha)
1	Kulathupuzha	31	78.73
2	Anchal	13	33.67
3	Shendurney	16	37.35
Total		60	149.75

1.5 Forest Produce

Major Forest Produce

Major forest produce in Kerala includes timber and bamboo which are vital for the state's economy and livelihoods. Timber is a primary material for construction, furniture making, and paper production, supporting various industries. Bamboo is utilized for construction purposes and in crafting traditional handicrafts, contributing to local artistry and economy. The sustainable management of these resources is essential to ensure their continued availability and to maintain the ecological balance of Kerala's forests.

Table - 1.45
Outturn of Major Forest Produce

Sl. No.	Category	Unit	Quantity
1	Industrial wood	cu.m	17868.730
2	Sandal wood	kg	143287.340
3	Plywood	cu.m	1072.718
4	Match wood	cu.m	920.776
5	Bobbin wood	cu.m	26.070
6	Pencil wood	cu.m	11.928
7	Packing case wood	cu.m	58.348
8	Pulpwood	MT	18617.840
Other Categories			
	a Teakpoles	cu.m	8411.453
	b Firewood	MT	3513.563
	c Billets	MT	1739.065

Species-wise receipts of Major Forest Produce

Species-wise receipts of Major forest produce during 2022-23 is shown in below table.

Table - 1.46
Species-wise receipts of Major Forest Produce

Sl. No.	Species	Unit	Quantity
INDUSTRIAL WOOD			
1	Teak	cu.m	15102.023
2	Rosewood	cu.m	421.860
3	Mahogany	cu.m	137.394
4	Anjili	cu.m	87.477

Sl. No.	Species	Unit	Quantity
5	Kambakom	cu.m	309.885
6	Thembavu	cu.m	56.862
7	Vengai	cu.m	41.977
8	Venteak	cu.m	112.811
9	Jack/ Plavu	cu.m	50.484
10	Manimaruthu	cu.m	133.634
11	Maruthu/Maruthi	cu.m	509.126
12	Irul	cu.m	41.402
13	Mulluvengai	cu.m	64.06
14	Unnam/Chadachi	cu.m	161.025
15	Thanni	cu.m	150.896
16	Karimthakara	cu.m	7.458
17	Pathiri	cu.m	0.837
18	Poovam	cu.m	10.934
19	Kunnivaka	cu.m	105.943
20	Kanjiram	cu.m	0.575
21	Mullankaini	cu.m	0.697
22	Myla	cu.m	205.387
23	Albizia/Eyal Vaka	cu.m	118.305
24	Edana	cu.m	4.347
25	Moongapezhu	cu.m	0.151
26	Velleetti	cu.m	5.862
27	Bhadraksham	cu.m	1.467
28	Arampuli	cu.m	2.732
29	Arayanjali	cu.m	3.395
30	Attuthekkku	cu.m	1.683
31	Pachotty	cu.m	0.492
32	Marotty	cu.m	0.291
33	Pezhu	cu.m	0.186
34	Therakam	cu.m	0.291
35	Poomaram	cu.m	0.757
36	Karavenga	cu.m	13.830
37	Neervetti	cu.m	0.373
38	Porivatta	cu.m	0.590
39	Kara/Rudraksham	cu.m	1.229
Total			17868.730
1	Sandal wood	kg	143287.340
PLYWOOD			
1	Kulamavu / Ooravu	cu.m	94.878
2	Mavu	cu.m	51.036
3	Redcedar/ Chandanavembu	cu.m	61.152
4	Poon/Punna/Punnappa	cu.m	112.077

Sl. No.	Species	Unit	Quantity
5	Cheeni	cu.m	125.214
6	Kumbil	cu.m	10.549
7	Njaval / Njara	cu.m	54.009
8	Vatta	cu.m	555.864
9	Karuva	cu.m	1.219
10	Vellapine	cu.m	2.250
11	Cheru	cu.m	4.470
Total			1072.718
MATCHWOOD			
1	Elavu/Poola	cu.m	700.285
2	Pala / Mukkampala	cu.m	151.784
3	Vaka	cu.m	62.946
4	Matti	cu.m	5.761
Total			920.776
BOBBINWOOD			
1	Manjakadambu	cu.m	26.070
Total			26.070
PENCIL WOOD SPECIES			
1	Poochakadambu	cu.m	1.49
2	Mazhamaram	cu.m	8.597
3	Eyyoli	cu.m	1.841
Total			11.928
PACKING CASE WOOD			
1	Malaveppu	cu.m	2.774
2	Vetti	cu.m	0.332
3	Ambazham	cu.m	1.228
4	Karingazha	cu.m	1.073
5	Uthi	cu.m	5.310
6	Aval	cu.m	47.631
Total			58.348
PULPWOOD			
1	Eucalyptus	tonne	35.251
2	Acacia Auriculiformis	tonne	18275.649
3	Acacia Mangium	tonne	31.243
4	Bamboo	tonne	37.750
5	Reeds	tonne	237.950
Total			18617.840
OTHER CATEGORIES			
1	Fire wood	tonne	3513.563
2	Teak Poles	tonne	8411.453
3	Billets	tonne	1739.065

Table-1.47

Circle-wise details of Major Forest Produce 2022-23 (value Rs. In lakhs)

SI No	Production	Unit	Southern Circle		High Range Circle		Central Circle		Eastern Circle		Northern Circle		Wild life		Total	
			Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value
1	Teak	M ³	4686.238	2867.928	58.712	35.931	321.334	196.653	5294.913	3240.431	4740.826	2901.336	0.000	0.000	15102.023	9242.28
2	Other Timber	M ³	1824.571	219.208	794.575	95.462	1532.152	184.076	641.682	77.093	62.885	7.555	0.680	0.082	4856.545	583.476
3	Teak Poles	M ³	1751.139	327.866	40.400	7.564	4954.100	927.556	1049.125	196.428	616.689	115.463	0.000	0.000	8411.453	1574.88
Total			8261.948	3415.002	893.687	138.957	6807.586	1308.285	6985.720	3513.952	5420.400	3024.354	0.680	0.082	28370.021	11400.636
1	Fire Wood	MT	1203.867	81.297	494.453	33.390	856.478	57.838	720.515	48.656	238.250	16.089	0.000	0.000	3513.563	237.27
2	Billets	MT	590.725	123.225	1.300	0.271	8.640	1.802	794.400	165.712	344.000	71.758	0.000	0.000	1739.065	362.77
3	Acacia	MT	12312.34	2651.15	10.634	2.208	5951.928	1281.599	0.000	0.000	30.290	3.913	1.700	0.366	18306.892	3939.241
4	Eucalyptus	MT	0.000	0.000	33.637	3.745	1.614	0.180	0.000	0.000	0.000	0.000	0.000	0.000	35.251	3.925
5	Bamboo	MT	16.750	1.106	0.000	0.000	20.000	1.320	0.000	0.000	1.000	0.066	0.000	0.000	37.750	2.492
6	Reeds	MT	237.200	10.437	0.750	0.033	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	237.950	10.470
Total			14360.882	2867.22	540.774	39.647	6838.66	1342.739	1514.915	214.368	613.540	91.826	1.700	0.366	23870.471	4556.168

Table-1.48
Timber statistics from timber sales divisions

Sl. No.	Division	Opening Balance	Receipt during the year (in cum)	Timber sold during the year						Closing Bal. of Timber within the Division (kg/ cum)
				In Auction			Direct (Retail)			
				Qty (kg/ cum)	Average price (Rs.)	Amount Released (Rs)	Qty (kg/ cum)	Average price (Rs.)	Amount Released (Rs)	
NAME OF SPECIES : TEAK										
1	TS, TVPM	669.005	1249.747	1251.737	95190	119153825	56.544	137589.28	7779848	617.178
2	TS, PNLR	763.327	2729.242	2946.22	96378	283951262	155.691	134012	20864428	390.658
3	TS, KTM	234.294	115.778	239.077	260736	18665444	18.928	130265	2465650	92.067
4	TS, PMBVR	782.745	5164.6163	2908.298	419970	248603744	248.696	589104	28962292	2790.3793
5	TS, PKD	2367.359	8624.576	7472.277	87659.75	655017965	79.256	83410.09	6610750	3440.402
6	TS,KKD	3366.913	4633.911	3387.052	61681	208918205	136.573	128410	17537335	4477.199
NAME OF SPECIES : ROSEWOOD										
1	TS, PNLR	0.000	0.403	0.000	0.000	0.000	0.000	0.000	0.000	0.403
2	TS, KTM	58.336	7.720	45.180	92622	4184677	1.489	171768	255018	19.387
3	TS, PMBVR	0.000	16.366	13.839	291250	4030610	0.000	0.000	0.000	2.527
4	TS, PKD	13.809	355.729	241.77	229677.6	55529152	0.000	0.000	0.000	127.761
5	TS,KKD	327.813	111.689	87.306	137832	12033580	0.000	0.000	0.000	352.196
NAME OF SPECIES : POLES / BILLETS										
1	TS, PNLR	3.546	2.278	1.500	0.000	45750	0.000	0.000	0.000	4.324
2	TS, PMBVR	0.000	3.081	0.181	20099	3638	0.000	0.000	0.000	2.900
3	TS, PKD	7.918	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.918
NAME OF SPECIES : MISCELLANEOUS										
1	TS, TVPM	166.132	1372.385	1352.871	16203.34	21921029	0.000	0.000	0.000	185.646
2	TS, PNLR	234.311	979.932	1201.667	27814	15165972	0.000	0.000	0.000	11.680
3	TS, KTM	333.999	3.962	233.398	46793	2073944	0.000	0.000	0.000	104.563
4	TS, PMBVR	211.031	439.866	598.046	83631	10226194	0.000	0.000	0.000	63.960
5	TS, PKD	537.473	1488.645	1643.277	19761.61	32473799	0.000	0.000	0.000	382.842
6	TS,KKD	371.186	1524.113	392.153	18289	7172199	0.000	0.000	0.000	1503.146

Timber Depots

The department manages a total of 28 timber depots for retail and wholesale timber sales

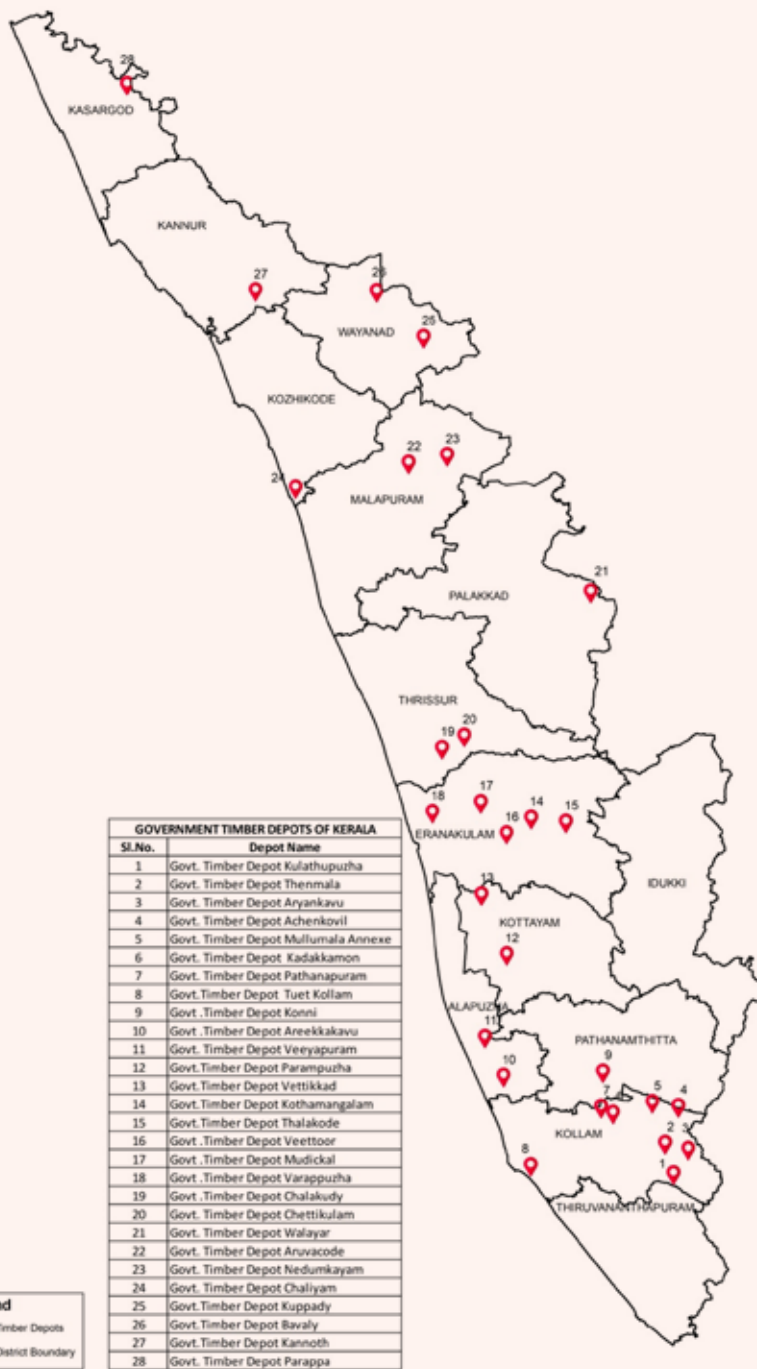
Table - 1.49
Circle-wise number of Timber Depots

Sl. No.	Circle	Sales Division	No. of Depots
1	Southern Circle, Kollam	Thiruvananthapuram	5
		Punalur	6
2	High Range Circle, Kottayam	Kottayam	4
3	Central Circle, Thrissur	Perumbavur	5
4	Eastern Circle, Palakkad	Palakkad	3
5	Northern Circle, Kannur	Kozhikode	5
Total			28

Table - 1.50
Circle-wise details of Timber Depots

Sl. No.	Circle	Sales Division	Depots	
1	Southern Circle, Kollam	Thiruvananthapuram	1	Kulathupuzha
			2	Thenmala
			3	Aryankavu
			4	Mullumala(Annex)
			5	Achenkovil
		Punalur	6	Kadakkamon
			7	Pathanapuram
			8	Konni
			9	Arekkakavu
			10	Tuet
			11	Veeyapuram
2	High Range Circle, Kottayam	Kottayam	12	Parampuzha
			13	Vettikkadu
			14	Thalakkode
			15	Kothamangalam
3	Central Circle, Thrissur	Perumbavoor	16	Veetoor
			17	Varapuzha
			18	Mudikkal
			19	Chalakkudy
			20	Chettikulam
4	Eastern Circle, Palakkad	Palakkad	21	Aruvakkode
			22	Nedumkayam
			23	Walayar
5	Northern Circle, Kannur	Kozhikode	24	Chaliyam
			25	Kuppadi
			26	Baveli
			27	Kannothu
			28	Parappa

GOVERNMENT TIMBER DEPOTS OF KERALA



Non-Wood Forest Produce (NWFP)

Kerala is known for its diverse Non-Wood Forest Produce (NWFP), such as medicinal plants, spices, fibre and honey, which are crucial for local livelihoods and contribute significantly to the state's economy. Total quantity of Non-Wood Forest Produce procured by Kerala State Federation of SC/ST Development Co-operatives Ltd from tribal co-operative societies and the value fixed are given below.

Table - 1.51
Procurement of Non-Wood Forest Produce

Sl. No.	Name	Quantity (kg)
1	Medicinal plants	723763.06
2	Spices	14201.25
3	Fibre	11471.000
4	Grass other than fodder	64780.000
5	Honey	3440.750

Source: Kerala State Federation of SC/ST Development Co-operatives Ltd

Procurement of Non-Wood Forest Produce (NWFP)

Total quantity and value of minor forest produce of NWFP was 817.656 tonnes and ₹ 293.685 lakhs respectively.

Table - 1.52
Details on Non-Wood Forest Produce

Sl. No.	Item	Quantity procured (kg)	Unit price (Amount in Rs.)	Value (Amount in Rs.)
1	Adalodakam (raw)	307.00	10.00	3070.00
2	Athithippali	7390.00	78.45	579780.00
3	Avanakkinveru	10030.00	55.00	551650.00
4	Cheenikka	56211.00	48.36	2718522.00
5	Cheevakkai	15163.00	74.44	1128710.00
6	Cheruthekku	1870.50	70.00	130935.00
7	Cheruthen	213.65.00	1307.38	279322.62
8	Cheruvazhuthana	46726.00	57.00	2663382.00
9	Choolpullu	64780.00	31.31	2028400.00
10	Chundapacha	267837.00	17.75	4755048.00
11	Kakkumkai-Parantakai	188.10	27.23	5122.80
12	Kalpasam	2712.000	327.97	889462.00
13	Karimkurinji	61177.00	21.56	1319250.00
14	Kasturimanjal	535.15	81.21	43460.71

Sl. No.	Item	Quantity procured (kg)	Unit price (Amount in Rs.)	Value (Amount in Rs.)
15	Kattukurumulakuvalli 1 st	4440.00	43.56	193423.60
16	Kattukurumulakuvalli 2 nd	400.00	33.33	13333.00
17	Kattupadavalam	4670.00	190.52	889750.00
18	Kattuthippali	313.00	83.85	26245.00
19	Kudampuli	353.00	201.59	71160.71
20	Kunthirikkam - 1 st	648.00	229.98	149026.00
21	Kunthirikkam - 2 nd	260.75	115.95	30233.50
22	Kunthirikkam - 3 rd	155.00	92.05	14267.00
23	Kurumthotti	206605.50	25.27	5221603.80
24	Moovila	22641.00	68.86	1559014.66
25	Orila dry	17912.00	45.94	822924.00
26	Nannari / Naruneendi	2666.00	55.00	146630.00
27	Pachotti	2177.00	74.27	161695.00
28	Pachottipatta	3396.00	118.72	403183.28
29	Padakizhangu	86.93	511.79	44490.00
30	Palmuthak	200.00	20.00	4000.00
31	Pateencha	1441.00	72.88	105013.00
32	Pathiripoovu 1 st	278.80	497.74	138770.00
33	Pathiripoovu 2 nd	60.40	400.00	24160.00
34	Peenari	5117.00	53.14	271938.24
35	Ponkurandi	1065.68	84.75	90319.05
36	Putharichunda	1200.00	18.00	21600.00
37	Soapinkai	201.50	22.92	4617.50
38	Thelli	3000.00	199.67	599000.00
39	Vanthen	3227.100	392.29	1265968.00
Total		817656.06		29368480.47

Source: Kerala State Federation of SC/ST Development Co-operatives Ltd

Chapter - II

FOREST MANAGEMENT

Forest protection is a fundamental aspect of sustainable forest management, aimed at conserving and preserving forest ecosystems. It encompasses various measures to prevent deforestation, illegal logging, wildlife poaching, and forest degradation. Effective forest protection is essential for maintaining ecological balance, mitigating climate change, and ensuring the well-being of both forest-dependent communities and the planet as a whole. The Department conducts regular patrols and employs fire watchers to detect and suppress fires at an early stage. Additionally, fire lines are maintained, and controlled burnings are sometimes carried out to reduce fuel loads. Public awareness programs are also conducted to educate communities about the importance of preventing forest fires.

2.1 Working Plans

The forests of Kerala are managed according to approved working plans that outline strategies for sustainable forest management. These working plans, formulated in accordance with the National Working Plan Code, include measures for conservation, regeneration, and the sustainable utilization of forest resources. They ensure that forests are managed in an ecologically responsible manner while meeting the needs of local communities and industries.

Table 2.1
Status of Working Plans

Sl. No.	Division	Valid up to	Status
1	Thiruvananthapuram	31.03.2031	Working Plan is current
2	Thenmala	31.03.2031	Working Plan is current
3	Achenkoil	31.03.2031	Working Plan is current
4	Ranni	31.03.2024	Working Plan is current
5	Punalur	31.03.2021	New Working Plan is under processing
6	Konni	31.03.2025	Working Plan is current
7	Kothamangalam	31.03.2026	Working Plan is current
8	Munnar	31.03.2020	New Working Plan is under processing
9	Marayoor	31.03.2031	Working Plan is current
10	Mankulam	31.03.2022	New Working Plan is under processing
11	Kottayam	31.03.2027	Working Plan is current.
12	Vazhachal	31.03.2028	Working Plan is current.
13	Chalakkudy	31.03.2030	Working Plan is current
14	Malayattoor	31.03.2025	Working Plan is current
15	Thrissur	31.03.2024	Working Plan is current
16	Mannarkkad	31.03.2023	Working Plan is current
17	Nilambur (North)	31.03.2025	Working Plan is current
18	Nilambur (South)	31.03.2024	Working Plan is current.
19	Palakkad	31.03.2030	Working Plan is current
20	Nenmara	31.03.2025	Working Plan is current

Sl. No.	Division	Valid up to	Status
21	Kozhikkode	31.03.2021	New Working Plan is under processing
22	Wayanad (North)	31.03.2025	Working Plan is current
23	Wayanad (South)	31.03.2022	New Working Plan is under processing
24	Kannur	31.03.2023	Working Plan is current.
25	Kasargod	31.03.2023	Working Plan is current

2.2 Boundary Demarcation & Details of Encroachment

Demarcation of Forest Boundaries

Total length of forest boundary is 16845.81 km. Out of this 11554.74 km requires demarcation, and the remaining 5291.07 km is covered by natural boundary. Progress of boundary demarcation is shown below.

Table 2.2

Division-wise demarcation of forest boundaries (Length in km)

Sl. No.	Division	Total length of boundary	Length of natural boundary not requiring demarcation	Length of boundary requiring demarcation
SOUTHERN CIRCLE KOLLAM				
1	Thiruvananthapuram	397.29	53.25	344.04
2	Thenmala	250.00	41.21	208.79
3	Punalur	843.55	483.00	360.55
4	Achencoil	221.44	85.52	135.92
5	Ranni	760.92	337.35	423.57
6	Konni	159.70	51.42	108.28
SC Kollam- Total		2632.90	1051.75	1581.15
HIGH RANGE CIRCLE KOTTAYAM				
7	Kottayam	596.14	59.00	537.14
8	Munnar	1407.00	115.00	1292.00
9	Kothamangalam	484.11	72.51	411.60
10	Marayoor	105.00	27.00	78.00
11	Mankulam	211.17	58.00	153.17
HRC Kottayam - Total		2803.42	331.51	2471.91
CENTRAL CIRCLE THRISSUR				
12	Malayattoor	720.31	409.30	311.01
13	Vazhachal	250.00	180.00	70.00
14	Chalakkudy	484.99	281.40	203.59
15	Thrissur	795.00	25.00	770.00
CC Thrissur -Total		2250.30	895.70	1354.60

Sl. No.	Division	Total length of boundary	Length of natural boundary not requiring demarcation	Length of boundary requiring demarcation
EASTERN CIRCLE PALAKKAD				
16	Nenmara	887.85	171.70	716.15
17	Palakkad	764.99	158.19	606.80
18	Mannarkkad	893.00	286.00	607.00
19	Nilambur (S)	294.88	128.73	166.15
20	Nilambur (N)	721.00	356.00	365.00
EC Palakkad - Total		3561.72	1100.62	2461.10
NORTHERN CIRCLE KANNUR				
21	Kozhikode	815.39	175.49	639.9
22	Wayanadu (S)	1096.30	386.50	709.80
23	Wayanadu (N)	343.55	103.95	239.60
24	Kannur	503.35	48.00	455.35
25	Kasaragod	630.99	24.40	606.59
NC Kannur- Total		3389.58	738.34	2651.24
AGASTHYAVANAM BIOLOGICAL PARK				
26	Thiruvananthapuram WL	220.10	67.50	152.60
27	Shenduruney	103.00	46.07	56.93
ABP-WL Total		323.10	113.57	209.53
FIELD DIRECTOR (PROJECT TIGER) KOTTAYAM				
28	Periyar East	207.50	50.00	157.50
29	Periyar West	129.67	52.00	77.67
30	Idukki	160.60	145.60	15.00
31	Munnar WL	342.00	41.50	300.50
FD (PT) Kottayam Total		839.77	289.1	550.67
WILDLIFE CIRCLE PALAKKAD				
32	Peechi	161.90	151.07	10.83
33	Parambikulam	153.50	153.50	0
34	Silent Valley	198.23	121.92	76.31
35	Wayanad WL	474.00	300.60	173.40
36	Aralam	57.39	43.39	14.00
Palakkad -WL Total		1045.02	770.48	274.54
GRAND TOTAL		16845.81	5291.07	11554.74

Out of 11554.74 km, 7228.32 km of forest boundary is demarcated

Encroachment on Forest Land

As on 31.03.2023, the extent of encroachment on forest land to be evicted is 4974.5539 Ha.

Table 2.3
Details of encroachment on forest land

Circle	District	Division	Extent of Encroachment (Ha)
Southern Circle Kollam	Pathanamthitta	Konni	10.5898
		Ranni	1.7404
	Kollam	Thenmala	1.9928
	Thiruvananthapuram	Thiruvananthapuram	0.59202
SOUTHERN CIRCLE KOLLAM TOTAL			14.915
High Range Circle Kottayam	Ernakulam	Kothamangalam	434.0366
	Kottayam	Kottayam	105.8837
	Idukki	Munnar	1093.5907
		Marayoor	0.0300
		Mankulam	358.4255
HIGH RANGE CIRCLE KOTTAYAM TOTAL			1991.9665
Central Circle Thrissur	Thrissur	Thrissur	191.6903
		Chalakkudy	0.2644
	Ernakulam	Malayattoor	127.6550
CENTRAL CIRCLE THRISSUR TOTAL			319.6097
Eastern Circle Palakkad	Malappuram	Nilambur North	657.8708
		Nilambur South	2.1200
	Palakkad	Palakkad	37.6850
		Mannarkkad	635.1787
		Nenmara	237.6512
		EASTERN CIRCLE PALAKKAD TOTAL	
Northern Circle Kannur	Kozhikode	Kozhikode	75.4290
		Kozhikkode TS	0.5165
	Wayanad	Wayanad South	705.0679
		Wayanad North	230.5123
	Kannur	Kannur	40.5370
	Kasargod	Kasargod	7.2670
NORTHERN CIRCLE KANNUR TOTAL			1059.3297
Field Director (Project Tiger) Kottayam	Idukki	Periyar East	4.0060
FIELD DIRECTOR (PROJECT TIGER) KOTTAYAM TOTAL			4.006
Wildlife Circle Palakkad	Palakkad	Silent Valley	11.5785
	Kannur	Aralam	2.0000
	Wayanad	Wayanad WL	0.6428
WILDLIFE CIRCLE PALAKKAD TOTAL			14.2213
GRAND TOTAL			4974.5539

2.3. Forest Fire Prevention

Forest Fire Prevention Measures

Forest fire prevention measures primarily involve the creation and maintenance of fire lines, along with the deployment of fire protection watchers. In 2022-23, a total of 3,589.519 kilometers of fire lines, fire strips, and fire breaks were established and maintained. Additionally, 138,154 fire watchers were engaged (measured in man-days) to ensure fire safety. Controlled burning and biomass removal were carried out across 695 hectares. A total expenditure of ₹ 1,642.328 lakh was incurred for these activities, underscoring the state's commitment to proactive forest fire management and protection.

Table 2.4
Details of forest fire prevention measures

Sl. No.	Name of division	Length of fire line created / maintained/ fire strip (km)	Length of fire break created/ maintained (km)	Control burning Area (Ha)	Biomass removal area (Ha)	No. of fire watchers engaged (man days)	Expenditure (amount in lakh)
TERRITORIAL DIVISION							
1	Thiruvananthapuram	-	-	69.500	-	5927	50.063
2	Thenmala	10.900	-	-	-	3510	29.490
3	Punalur	64.860	-	-	-	6870	54.479
4	Konni	95.700	-	-	-	3258	29.840
5	Achencovil	15.500	67.310	-	-	564	24.066
6	Ranni	33.000	137.000	-	-	7000	46.590
7	Kottayam	90.600	-	-	-	5115	82.889
8	Munnar	158.000	1.000	-	-	3215	63.500
9	Marayoor	72.897	-	-	-	1571	25.799
10	Kothamangalam	13.307	153.400	-	-	3600	24.302
11	Mankulam	21.200	-	-	-	1530	21.388
12	Malayattoor	-	207.600	-	-	7680	104.012
13	Chalakydy	-	64.600	-	-	4280	41.289
14	Vazhachal	153.770	-	-	-	3825	16.147
15	Thrissur	-	-	-	-	5689	75.101
16	Nenmara	135.000	-	-	295.000	6689	66.056
17	Palakkad	-	-	-	183.000	1504	22.710
18	Mannarkad	92.520	-	-	-	7164	100.410
19	Nilambur South	64.600	-	-	-	3428	51.778
20	Nilambur North	90.250	-	-	-	3440	46.130
21	Kozhikode	-	15.250	15.500	-	3037	30.284
22	Kannur	-	38.640	-	-	3978	40.706
23	Kasargod	59.500	-	-	69.000	3840	37.410
24	Wayanad South	-	-	43.000	-	7110	82.080

Sl. No.	Name of division	Length of fire line created / maintained / fire strip (km)	Length of fire break created / maintained (km)	Control burning Area (Ha)	Biomass removal area (Ha)	No. of fire watchers engaged (man days)	Expenditure (amount in lakh)
25	Wayanad North	124.970	-	-	-	6440	51.077
Total		1296.574	684.800	128.000	547	110264	1217.596
WILDLIFE DIVISION							
26	Thiruvananthapuram WL	33.750	-	-		86	0.980
27	Shenduruney	53.000	20.000	13.000	7.000	2035	38.910
28	Periyar East	179.100	-	-	-	5336	72.430
29	Periyar West	89.250	-	-	-	1823	28.740
30	Munnar WL	55.500	596.000	-	-	24000	50.410
31	Idukki WL	49.600	-	-	-	2898	27.531
32	Peechi WL	126.600	-	-	-	3192	23.845
33	Parambikkulam TR	90.360	-	-	-	3716	48.916
34	Silent valley NP	165.510	-	-	-	2443	74.981
35	Wayanad WL	-	127.875	-	-	5453	42.800
36	Aralam WL	21.600	-	-	-	908	15.189
Total		864.270	743.875	13.000	7.000	27890	424.732
GRAND TOTAL		2160.844	1428.675	141.00	554	138154	1642.328

Fire Incidents

During 2022-23, a total of 377 forest fire incidents were reported, which affected 839.285 hectares of forest area and caused a financial loss of ₹4.345 lakh (Financial loss in 3 cases where offences were booked).

Table 2.5
Abstract of fire incidents

Fire season	Number of incidents	Area affected by fire (Ha)
2022-23	377	839.285

Table 2.6
Abstract of fire incidents for the last 10 years

Fire season	Number of incidents	Area affected by fire (Ha)
2013-2014	339	1696.00
2014-2015	486	1756.00
2015-2016	564	2024.00
2016-2017	737	2989.68
2017-2018	330	1279.00
2018-2019	596	2034.81

Fire season	Number of incidents	Area affected by fire (Ha)
2019-2020	381	784.34
2020-2021	167	450.91
2021-2022	124	308.63
2022-2023	377	839.285

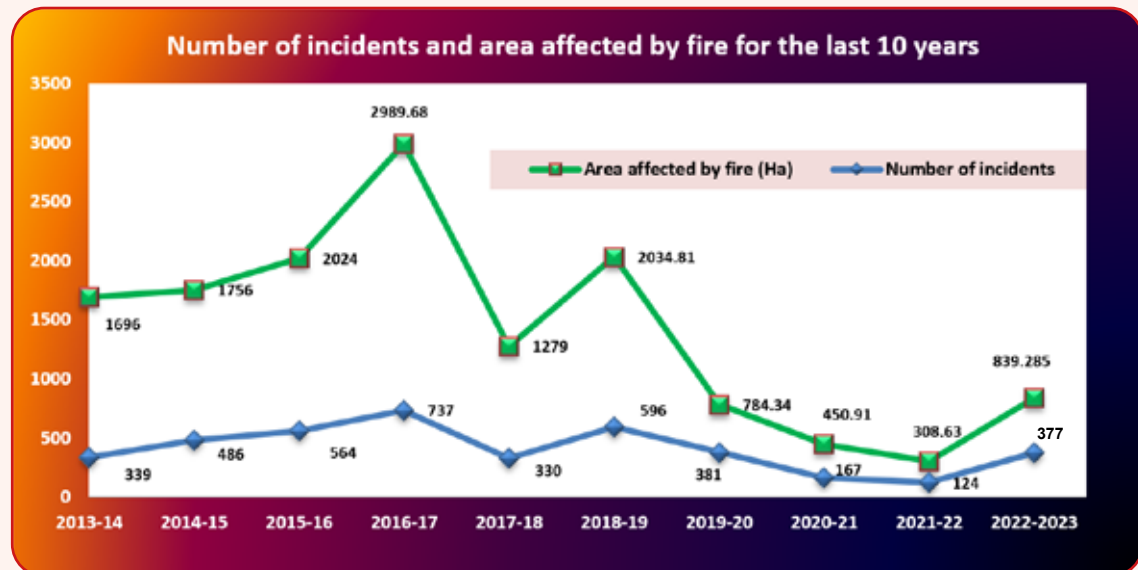


Table 2.7
Division-wise forest fire incidents

Sl. No	Name of division	No. of incidents	Area affected by fire (Ha)
TERRITORIAL DIVISION			
1	Thiruvananthapuram	14	17.751
2	Punalur	2	2.350
3	Thenmala	10	12.000
4	Achenkovil	1	0.200
5	Ranni	18	35.976
6	Kottayam	27	42.250
7	Munnar	14	25.000
8	Marayoor	4	4.150
9	Kothamangalam	37	52.300
10	Malayattoor	1	0.750
11	Chalakudy	8	22.508
12	Vazhachal	2	24.000
13	Thrissur	54	158.962
14	Nenmara	10	34.250
15	Palakkad	17	64.750
16	Mannarkad	44	77.550
17	Nilambur South	5	7.000
18	Nilambur North	41	28.107

Sl. No	Name of division	No. of incidents	Area affected by fire (Ha)
19	Wayanad South	8	62.800
20	Wayanad North	4	6.450
21	Kozhikkode	6	11.957
22	Kannur	5	8.900
Total		332	699.961
WILDLIFE DIVISION			
23	Thiruvananthapuram WL	2	2.500
24	Silentvalley	17	74.550
25	Periyar (W)	1	1.243
26	Idukki WL	4	7.500
27	Peechi WL	15	40.200
28	Wayanad WL	5	10.331
29	Aralam	1	3.000
Total		45	139.324
GRAND TOTAL		377	839.285

Plantations affected by forest fire

Table 2.8

Plantations affected by forest fire (area in Ha)

Sl No	Divisions	Teak	Acacia auriculiformis	Bamboo	Eucalyptus	Cashew	Miscellaneous	Total
1	Thiruvananthapuram	0.00	3.404	0.00	0.00	0.00	1.50	4.904
2	Achenkovil	0.20	0.00	0.00	0.00	0.00	0.00	0.20
3	Punalur	0.85	0.00	0.00	0.00	0.00	0.00	0.850
4	Thenmala	6.5	0.00	0.00	0.00	0.00	0.00	6.500
5	Chalakkudy	6.00	0.00	0.00	0.00	0.00	0.00	6.000
6	Thrissur	9.00	18.24	2.00	0.00	1.5	0.00	30.740
7	Palakkad	1.25	0.00	0.00	0.00	0.00	0.00	1.250
8	Wayanad North	1.50	0.00	0.00	0.00	0.00	0.00	1.500
9	Wayanad WL	1.00	0.00	0.00	1.00	0.00	0.00	2.000
Total		26.30	21.644	2.000	1.000	1.500	1.500	53.944

2.4. Forest Offences

Table 2.9

Abstract of number of cases booked

Cases	Upto 2022	During 2023	Total upto 2023
Under Kerala Forest Act	39127	470	39597
Under Wildlife Protection Act	4095	249	4344
61 A Cases	2385	55	2440
Other Acts	5292	91	5383
Total	50899	865	51764

Table 2.10
Circle-wise number of cases booked under various acts

Sl. No.	Circle	Under KF Act upto 2022	KF Act during 2023	KF Act at the end of 2023	Under WLP Act upto 2022	WLP Act during 2023	WLP Act at the end of 2023	Other Acts upto 2022	Other Acts during 2023	Other Act at the end of 2023	No. of 61A cases upto 2022	61 A cases during 2023	61 A cases at the end of 2023
1	SC, Kollam	3523	103	3626	694	35	729	279	16	295	151	2	153
2	HRC, Kottayam	15820	84	15904	471	20	491	2985	3	2988	623	5	628
3	CC, Thrissur	3345	146	3491	867	101	968	321	46	367	175	12	187
4	EC, Palakkad	10434	61	10495	795	33	828	929	5	934	478	12	490
5	NC, Kannur	3688	52	3740	829	55	884	614	15	629	884	20	904
6	ABP, Thiruvananthapuram	209	3	212	57	1	58	11	0	11	3	1	4
7	FD (PT), Kottayam	1196	5	1201	126	2	128	76	6	82	24	2	26
8	WL, Palakkad	912	16	928	256	2	258	77	0	77	47	1	48
Total		39127	470	39597	4095	249	4344	5292	91	5383	2385	55	2440

2.5 Vigilance and Forest Intelligence

As per the Government Order GO(MS)289/71/Agri dated 23.12.1971, the objective of Vigilance Wing is to combat corruption and misconduct in the Department effectively and to detect and prevent forest offences.

Table 2.11
Contrabands seized by Forest Intelligence Cell during 2022-23

Sl. No	Articles Seized	Seized by	Offence
1	Sculptures made of ivory	Flying Squad Range, Munnar	OR-2/2022 dt. 06/03/2023, OR-4/23 dtd. 06/03/2023
2	Ivory	Forest Intelligence Cell (10/08/22)	OR-9/22 (Kumily Range)
3	Sandboa	Forest Control Room, Thiruvananthapuram with Forest Intelligence Cell and Paruthippally Range	23/03/2023 – Illegal trade of sandboa
4	Sambar deer trophies	Flying Squad Division, Palakkad – Seized by FS Range Palakkad, FS Range Nelliampathy	OR 03/2022
5	Antlers with skull – 1 No.		
6	Antlers with cheek bone – 1 No		
7	Antler – 1 No.		
8	Sandal – 5.2 kg	Flying Squad Division, Kannur – Seized by FS Range, Kannur, FS Division staff and FS Range, Kalpatta	OR 04/2022
9	Muscpod – 3 Nos.		OR 02/2022
10	Ambergreece – 4.062 kg		0
11	Musk – 2 Nos. (186 gm)	Kozhikkode Flying Squad Range, Kozhikkode	OR 1/2023
12	Musk – 3 Nos. (120 gm)		OR 03/2023
13	Elephant Tusk – 2 Nos. Honda Eon Car – 1 No. Swift Car 1 No. – Mobile Phone – 6 Nos.	Flying Squad Division, Ernakulam, Flying Squad Range, Thrissur	OR 01/2022
14	Yamaha Crawler Excavator V1 – 1 No Teak Firewood - 3 MT Fire wood – 3 MT	Flying Squad Range, Thrissur	OR 02/2022
15	Sea Cucumber	Flying Squad Range, Perumbavoor	OR 01/2022
16	Sandal logs – 93 kg	Flying Squad Range, Perumbavoor	OR 02/2022
17	Python	Flying Squad Range, Perumbavoor	OR 03/2022

Apart from this, a total of 146 raids were conducted by Flying Squad Divisions across the state to prevent Gunja and illicit brewing. Several vehicles were seized in relation to smuggling of forest products.

Table 2.12
Petitions / Irregularities enquired by Vigilance Wing during 2022-23

Sl. No.	Particulars	No. of cases
1	Illicit felling of trees and smuggling of timber and other forest produce	53
2	Encroachment in Reserved Forest	30
3	Irregularities involved in the expenditure on forest works, misappropriation of Government money	7
4	Irregularities in the execution of departmental works	12
5	Supply - sale coup	1
6	Matter related to irregularities in wild elephants and other animals	5
7	Shooting of wild elephant and other kinds of animals	5
8	Illicit transport of forest produce belongs to Government	9
9	Corruption practices in auction	5
10	Other kinds of petitions	135
11	Violation of KPT Rules / Act	3
12	Violation of WL Act	12
13	Atrocities against animals	14
14	Illicit collection of rubble and sand	1
15	Illicit felling storage and transport of timber from private lands	5
16	Petition against forest officials	231
17	Petition against VSS/EDC	20
18	Illicit transport of forest produce not belonged to Government	11
19	Allegation of Ganja cultivation, sale of intoxicating liquor	2
20	Misuse of departmental vehicles	3
21	Smuggling of sand	2
22	Petition regarding captive elephant	9
23	Illegal mining at an adjacement	1
24	Petition regarding mismanagement of forest department	2
25	Irregularities in connection with wood based industries	13
Total		591

2.6 Employment Generation

Circle-wise details of direct and indirect employment during 2022-23 is shown below.

Table 2.13
Employment generation-Direct and Indirect (Mandays)

Sl.No	Circle/Head Quarter Offices	2022-23		Total
		Direct	Indirect	
1	SC Kollam	44770	38070	82840
2	HRC Kottayam	34036	23298	57334
3	CC Thrissur	77391	31533	108924
4	EC Palakkad	81492	45602	127094
5	NC Kannur	123053	18110	141163
6	ABP	7721	127	7848
7	FDPT Kottayam	94611	14315	108926
8	WL Palakkad	121087	51694	172781
9	SF Kollam	3191	1267	4458
10	SF Ernakulam	11931	0	11931
11	SF Kozhikode	4589	1261	5850
12	I&E Kozhikode	735	0	735
13	I&E Kottayam	291	1170	1461
14	HRD	5925	28974	34899
15	Wildlife	813	0	813
16	Vigilance	320	0	320
17	Social Foresrty	1534	0	1534
18	Information Technology	624	0	624
19	Working Plan & Research	3408	0	3408
20	Estate Office	900	0	900
Total		618422	255421	873843

Chapter III

HUMAN - WILDLIFE CONFLICT MANAGEMENT

Human-wildlife conflict is a significant concern in Kerala, especially in areas bordering forests and wildlife habitats. Encounters with wild animals such as elephants, leopards, and wild pigs often lead to property damage and, in some cases, human casualties. The state government and Forest Department are implementing various measures to mitigate human-wildlife conflict.

3.1 Human - Wildlife Conflict Incidents

A total of 8873 Human Wildlife Conflict incidents was reported in Kerala during 2022-23.

Table 3.1
Abstract of human-wildlife conflict incidents

Incidents	Snake	Elephant	Wild Pig	Wild Gaur	Tiger	Leopard	Others	Total
Human Death	48	27	7	1	1	0	14	98
Human injured	871	71	261	5	0	0	67	1275
Cattle Death	65	8	4	1	191	244	124	637
Crop damage & Property loss	0	4087	1252	25	1	0	1498	6863
Total	984	4193	1524	32	193	244	1703	8873

Wild Animals Rescued

In 2022-23, multiple cases of human-wildlife conflict were scientifically assessed and managed. Wild animals that strayed into human habitations were rescued following established protocols and safely released back into their natural habitats.

Table 3.2
Details of wild animals rescued

Sl. No.	Name of Animals	Number
1	Peacock	286
2	Eagle / Hawk	205
3	Barn Owl / Owl	497
4	Parrot	33
5	Migrating Birds	33
6	Crane / Stork	16
7	Grey Hornbill	3
8	Other Birds	157
9	Honey Bee	12
10	Monkey / NilgiriLangur	368

Sl. No.	Name of Animals	Number
11	Wild Pig	494
12	Gaur	8
13	Asian Palm Civet	940
14	Elephant	33
15	Jungle Cat	103
16	Porcupine	216
17	Fox/Jackal/Wild Dog	162
18	Toddy Cat	234
19	Sambar deer	67
20	Spotted deer	57
21	Barking deer	4
22	Tortoise / Sea Turtle	83
23	Leopard	3
24	Malabar Giant Squirrel	41
25	Monitor lizard	176
26	Crocodile	1
27	Indian Pangolin	19
28	Black naped Hare	4
29	Slender Loris	1
30	Mongoose	25
31	Other Animals	4
Total		4285

As part of its conservation initiatives, the Kerala Forest Department introduced the mobile application 'SARPA' (Snake Awareness, Rescue, and Protection Application). This app facilitates the monitoring of snake rescue and release operations while promoting awareness about snake conservation. A detailed report on the number of rescued snakes is provided below.

Table 3.3
Details of snakes rescued using SARPA volunteers

Sl. No.	Name of snake	Number
1	Spectacled Cobra	3740
2	Indian Rock Python	2368
3	Rat Snake	1550
4	Russell's Viper	570
5	Montne Trinket Snake	416
6	Common Wolf Snake	209
7	Russel's Wolf Snake	182
8	Checkered Keel Back	157
9	Common Sandboa	111
10	Common Krait	109

Sl. No.	Name of snake	Number
11	King Cobra	76
12	Travancor Wolf Snake	39
13	Striped Keel Back	25
14	Hump-nosed pit viper	24
15	Common Kukri snake	21
16	Collared cat snake	16
17	Ornate flying snake	16
18	Common bronze back tree snake	14
19	Red sandboa	11
20	Whitaker's boa	9
21	Southern bronze back tree snake	6
22	Bib bronze coral	6
23	Travancore cat snake	6
24	Yellow collared wolf snake	6
25	Malabar pit viper	5
26	Thackeray's cat snake	5
27	Common cat snake	5
28	Travancore kukri snake	5
29	Thirunelvelishild snake	5
30	Others	2083
Total		11795

3.2 Measures to Reduce Human-Wildlife Conflict

The details of the major physical barriers constructed to mitigate human-wildlife conflict during 2022-23 are as follows:

Table 3.4
Physical barriers constructed to mitigate human-wildlife conflict

Circle	Solar Power fencing (km)	Elephant proof trench (km)	Elephant proof wall (km)	Others (km)
SC, Kollam	34.30	6.40	0.10	1.00
HRC, Kottayam	8.265	0.11	0.00	0.00
CC, Thrissur	56.27	4.20	0.00	0.00
EC, Palakkad	23.13	0.00	0.00	0.00
NC, Kannur	15.25	0.00	0.00	12.20
ABP, Tvpm	0.00	0.00	0.00	0.00
FDPT, Kottayam	3.35	0.062	0.00	4.00
WL, Palakkad	4.25	0.071	0.00	2.50
Total	144.815	10.843	0.10	19.70

Rapid Response Teams (RRT)

As per G.O (Rt) 275/11/F&WLD dated: 22-06-2011, Government established Rapid Response Team to drive back the crop raiding wild elephants and to manage other problems relating to human-wildlife conflict.

Table 3.5
Details of rapid response teams

Sl. No.	Location of RRT	Officer in charge	District / Division to which the team is attached	Contact Number
1	Kannur	RFO, Kannavam	Kannur District	8547602678
2	Kozhikode (Thamarassery)	RFO, Thamarassery	Kozhikode District	8547602828
3	Wayanad (SulthanBathery)	RFO, Muthanga	Wayanad WL Division & Chedleth Range of Wayanad South Division	8547603563
4	Nilambur	RFO, Nilambur	Malappuram District	8547602200
5	Mannarkkad	RFO, Mannarkkad	Mannarkkad Range, Bhavani Range and Western slopes of Agali Range	8547602315
6	Palakkad	RFO, Olavakkode	Nenmara and Palakkad Forest Division and Parambikulam Tiger Reserve	8547602100
7	Ranni	RFO, Ranni	Alappuzha District, Konni and Ranni Forest Divisions	8547600927
8	Peppara	RFO, Paruthippally	Thiruvananthapuram District	8547600960
9	Kasargode	RFO, Kasargode	Kasargode District	9745309075
10	Kalpetta	RFO, Kalpetta	Wayanad North, Kalpetta and Meppady Ranges of Wayanad South Division	8547603486
11	Attappadi	RFO, Attappadi	Agali Range and Attappady Range within Attappady area	
12	Chalakkudy	RFO, Pariyaram	Thrissur District and Malayattoor Forest Division	9495321272

Sl. No.	Location of RRT	Officer in charge	District / Division to which the team is attached	Contact Number
13	Peerumedu	RFO, Azhutha	Periyar East, West and Kottayam Forest Division	8547603123
14	Munnar	RFO, Munnar	Munnar, Marayoor, Mankulam Forest Division and Munnar WL Division	8547601351
15	Punalur	RFO, Anchal	Kollam District	8547600725

Jana Jagratha Samithi (JJS)

To address human-wildlife conflicts effectively, 261 Jana Jagratha Samithis (JJS) have been established across Kerala. These committees serve as Primary Response Teams, offering immediate assistance in conflict situations and raising awareness about coexistence strategies. The details of the JJS network are provided below.

Table 3.6
Details of Jana Jagratha Samithi

Sl. No.	Name of Circle	Number of Jana Jagratha Samithi units
1	Southern Circle, Kollam	76
2	High range Circle, Kottayam	37
3	Central Circle, Thrissur	23
4	Eastern Circle, Palakkad	41
5	Northern Circle, Kannur	65
6	Agasthyavanom Biological Park Circle, Tvpmm	5
7	FDPT Circle, Kottayam	6
8	Wildlife Circle, Palakkad	8
Total		261

Compensation paid to individuals impacted by Human-Wildlife Conflict

The Kerala Forest Department provides compensation to individuals affected by human-wildlife conflicts under the 'Kerala Rules for Payment of Compensation to Victims of Wild Animals, 1980'. In 2022-23, a total of ₹1048.865 lakh was disbursed to those impacted by wildlife-related incidents.

Table 3.7

Compensation paid to individuals impacted by Human-Wildlife Conflict

Circle	Human death		Human injury		Cattle loss		Crop damage & Property loss		Grand Total	
	No. of applicants	Amount Paid (in lakhs)	No. of applicants	Amount Paid (in lakhs)	No. of applicants	Amount Paid (in lakhs)	No. of applicants	Amount Paid (in lakhs)	No. of applicants	Amount Paid (in lakhs)
SC, Kollam	24	57.50	179	41.46	129	22.98	730	56.99	1062	178.93
HRC, Kottayam	5	35.00	109	35.07	53	14.32	330	17.45	497	101.84
CC, Thrissur	11	47.00	151	62.64	47	7.80	381	35.31	590	152.75
EC, Palakkad	28	79.81	84	30.86	50	9.35	383	34.75	545	154.77
NC, Kannur	25	92.50	210	68.48	188	60.94	2791	141.03	3214	362.95
ABP, Tvpm	1	5.00	4	0.54	3	0.22	16	1.34	24	7.10
FD (PT), Kottayam	1	10.00	11	5.28	2	0.95	108	5.24	122	21.47
WL, Palakkad	4	10.50	5	1.40	72	30.10	517	27.05	598	69.05
Total	99	337.31	753	245.73	544	146.66	5256	319.16	6652	1048.86

3.3 Wild Animal Mortality

Managing instances where wild animals stray into human settlements and pose a threat to lives and property is governed by the Wildlife (Protection) Act, 1972. As per Section 11 of the Act, such animals may be captured and translocated when deemed necessary for public safety.

Wildlife mortality occurs due to both natural causes—such as predation and disease—and human-induced factors like habitat destruction, poaching, and conflict. Kerala, with its rich biodiversity and dense human population, faces challenges in safeguarding species such as elephants, tigers, and deer from these threats. The Kerala Forest Department, along with conservation organizations, actively works to mitigate these risks through habitat protection, conservation programs, and public awareness campaigns.

Efforts to reduce wildlife mortality include the establishment of rescue centers, conservation initiatives in wildlife corridors, and strict enforcement of wildlife protection laws. However, despite these measures, challenges persist, emphasizing the need for sustained conservation efforts and environmentally responsible practices to ensure the long-term survival of Kerala's diverse wildlife. The wildlife mortality count for the year stood at 736, as detailed in the table below.

Table 3.8
Wild animal mortality

Name of animal	Division	Number of Animals
SOUTHERN CIRCLE, KOLLAM		
Jerdon's Palm Civet	Thiruvananthapuram	1
Indian Peafowl		2
Gaur or Indian Bison		2
Indo-Pacific Humpback Dolphin		4
Malabar Red Muntjak		2
Sambar Deer		3
Whale Shark		1
Wild Pig		4
Bonnet Macaque	Punalur	1
Indian Flap Shell Turtle		3
Indian Peafowl		10
Indian Procupine		2
Indo-Pacific Humpback Dolphin		2
Whale Shark	Konni	1
Asian Palm Civet		4
Asiatic Elephant		3
Bonnet Macaque		3
Gaur or Indian Bison		1
Indian Peafowl		19
Indo-Pacific Humpback Dolphin		3
Jungle Cat		1
Python		3
Sambar Deer		5
Wild Pig		54
Asiatic Elephant	Ranni	4
Gaur or Indian Bison		2
Indian Peafowl		4
Jungle Cat		1
Malabar Red Muntjak		1
Sambar Deer		1
Wild Pig		1

Name of animal	Division	Number of Animals
Asiatic Elephant	Achenkovil	2
Sambar Deer		2
HIGH RANGE CIRCLE, KOTTAYAM		
Asiatic Elephant	Kottayam	3
Gaur or Indian Bison		3
Indian Peafowl		1
Indian Procupine		3
Jackal		2
Jungle Cat		1
Leopard Cat		1
Leopard / Panther		1
Malabar Red Muntjak		1
Nilgiri Langur		2
Sambar Deer		3
Tiger		1
Wild Pig		7
Asiatic Elephant		Munnar
Bengal Monitor	1	
Bonnet Macaque	1	
Gaur or Indian Bison	4	
Indian Peafowl	1	
Indian Procupine	1	
Malabar Red Muntjak	1	
Bonnet Macaque	Marayoor	3
Gaur or Indian Bison		11
Grizzled Giant Squirrel		1
Indian Peafowl		1
Nilgiri Tahr		1
Sambar Deer		2
Spotted Deer / Chital		3
Wild Pig		1
Asiatic Elephant	Mankulam	1
Gaur or Indian Bison		1
Leopard / Panther		1
Bengal Fox	Kothamangalam	1
Bengal Monitor		2
Indian Procupine		1
Jackal		3
Jungle Cat		3
Malabar Red Muntjak		3

Name of animal	Division	Number of Animals
Python	Kothamangalam	1
Sambar Deer		2
Spotted Deer / Chital		1
Wild Pig		1
CENTRAL CIRCLE, THRISSUR		
Common Barn Owl	Thrisur	2
Indian Peafowl		7
Indian Procupine		1
Jackal		2
Python		1
Sambar Deer		2
Spotted Deer / Chital		1
Wild Pig		7
Asiatic Elephant	Vazhachal	12
Gaur or Indian Bison		2
Indian Peafowl		1
King Cobra		1
Nilgiri Tahr		1
Sambar Deer		3
Spotted Deer / Chital		3
Asiatic Elephant		Chalakudy
Himalayan Vulture	1	
Indian Peafowl	4	
Indian Procupine	2	
Jungle Cat	1	
Sambar Deer	8	
Spotted Deer / Chital	2	
Wild Pig	23	
Asian Palm Civet	Malayattoor	4
Asiatic Elephant		17
Bengal Fox		1
Black headed ibis		1
Bonnet Macaque		1
Common Barn Owl		1
Finless Porpoise		1
Gaur or Indian Bison		2
Indian Cobras		1
Indian Pangolian		1
Indian Peafowl		9
Indo-Pacific Humpback Dolphin		3

Name of animal	Division	Number of Animals
Jungle cat	Malayattoor	1
Malabar Red Muntjak		1
Pythons		9
Sambar Deer		11
Small Indian Civet		1
Spotted Deer / Chital		7
Wild pig		10
Bengal Monitor		1
EASTERN CIRCLE, PALAKKAD		
Asiatic Elephant	Mannarkkad	2
Bonnet Macaque		2
Indian Chevrotain / Mouse Deer		1
Indian Peafowl		9
Jungle cat		2
Leopard or Panther		2
Sambar Deer		3
Spotted Deer / Chital		2
Wild pig		10
Asiatic Elephant	Nenmara	5
Gaur or Indian Bison		3
Indian Peafowl		1
Jungle cat		1
Sambar Deer		2
Spotted Deer / Chital		1
Wild pig		3
Asiatic Elephant	Nilambur North	9
Indian Peafowl		12
Indian Procupine		2
Jackal		2
Jungle cat		1
Malabar Red Muntjak		1
Pythons		3
Spotted Deer / Chital		8
Whale shark		1
Wild pig		1
Little Cormorant		26
Asiatic Elephant	Nilambur South	5
Gaur or Indian Bison		2

Name of animal	Division	Number of Animals
NORTHERN CIRCLE, KANNUR		
Asiatic Elephant	Kozhikkode	3
Gaur or Indian Bison		1
Indian Peafowl		3
Indo-Pacific Humpback Dolphin		2
Jackal		2
Malabar Red Muntjak		3
Python		1
Sambar Deer		1
Wild pig		2
Bonnet Macaque	Wayanad North	7
Gaur or Indian Bison		8
Malabar Red Muntjak		2
Nilgiri Langur		2
Sambar Deer		4
Spotted Deer / Chital		3
Wild pig		1
Asian Palm Civet	Wayanad South	1
Asiatic Elephant		2
Indian Peafowl		2
Jungle cat		1
Leopard Cat		3
Malabar Red Muntjak		2
Sambar Deer		4
Spotted Deer / Chital		6
Tiger		3
Wild pig		1
Asiatic Elephant	Kannur	4
Common Barn Owl		1
Indian pea fowl		1
Malabar Red Muntjak		3
Sambar Deer		1
Spotted Deer / Chital		1
Wild pig		3
Bonnet Macaque	Kasargod	17
Gaur or Indian Bison		3
Indian pea fowl		4
Jackal		1
King cobra		1
Marsh Crocodile		1
Sambar Deer		6
Spotted Deer / Chital		2
Wild pig		3

Name of animal	Division	Number of Animals
ABP, THIRUVANANTHAPURAM		
Asiatic Elephant	Thiruvananthapuram Wildlife	4
Gaur or Indian Bison		2
Sambar Deer		2
Wild pig		2
Asiatic Elephant	Shendurney wildlife	1
Lion-tailed Macaque		1
Nilgiri Langur		1
Sambar Deer		1
FD (PT), KOTTAYAM		
Asiatic Elephant	Periyar East	4
Gaur or Indian Bison		8
Indian Pangolin		1
Nilgiri Langur		1
Sambar Deer		2
Tiger		1
Malabar/Indian Giant Squirrel		2
Asiatic Elephant	Periyar West	2
Gaur or Indian Bison		2
Sambar Deer		1
Nilgiri Langur		1
Asiatic Elephant	Munnar wildlife	1
Gaur or Indian Bison		5
Indian Procupine	Idukki wildlife	1
WILDLIFE, PALAKKAD		
Asiatic Elephant	Peechi WLS	3
Indian peafowl		1
Spotted Deer / Chital		2
Wild pig		2
Asiatic Elephant	Wayanad Wildlife	8
Gaur or Indian Bison		1
Leopard or Panther		1
Tiger		3
Asiatic Elephant	Parambikulam TR	7
Gaur or Indian Bison		1
Tiger		1
Leopard or Panther		1
TOTAL		736

The Government of Kerala has issued orders for the killing of wild pig vide GO (Rt) 05/2021/F&WLD dated 11/01/2021. Further it was modified by banning killing of wild pigs using snares within 2km from forest boundary vide GO (Rt) 25/2021/F&WLD dated 28/01/2021. Based on this, 138 wild pigs were killed during the year.

Table 3.9
Wild pig mortality (culling as per Govt.order) 2022-23

Circle	Division	Culling as per Govt. Order
Southern Circle	Thiruvananthapuram	8
	Punalur	6
	Konni	8
	Kottayam	5
Eastern Circle	Nilambur North	36
	Nilambur South	47
	Nenmara	6
Northern Circle	Kasaragod	5
	Kannur	11
	Kozhikkode	3
	South Wayanad	2
FD (PT) Kottayam	Wildlife, Idukki	1
TOTAL		138

Chapter - IV

PFM AND ECOTOURISM

4.1 Participatory Forest Management (PFM)

Kerala has embraced participatory forest management as a key strategy for biodiversity conservation and improving the livelihoods of forest-dependent communities. Since 1998, the state has established grassroots partnership institutions—Vana Samrakshana Samithies (VSS) in territorial forest divisions and Eco-Development Committees (EDC) in wildlife divisions. In 2022-23, a total of 427 VSSs and 213 EDCs actively contributed to the management and conservation of forest resources.

Table 4.1
Details of Vana Samrakshana Samithies (VSS)

Sl. No.	Territorial Division	No. of VSS	Forest area under VSS (Ha)	No. of families		
				SC	ST	Others
1	Thiruvananthapuram	21	5936.00	394	1045	855
2	Thenmala	11	3200.00	332	408	1010
3	Punalur	17	4730.00	335	361	512
4	Konni	23	6905.00	266	92	1333
5	Ranni	34	5675.00	541	1053	2406
6	Achencoil	6	2700.00	181	141	288
7	Kottayam	14	3552.85	219	313	1465
8	Kothamangalam	11	2510.80	96	169	813
9	Munnar	11	11340.00	53	1047	577
10	Marayoor	25	1436.00	659	907	747
11	Mankulam	10	874.90	16	431	51
12	Malayattoor	18	26957.00	208	820	629
13	Vazhachal	11	14230.00	170	321	573
14	Chalakudy	13	4127.50	142	167	1598
15	Thrissur	22	3994.27	708	100	2455
16	Palakkad	13	2036.98	464	792	2009
17	Mannarkad	17	4976.00	75	537	512
18	Nilambur South	15	14099.00	199	328	1020
19	Nilambur North	31	22651.00	429	1203	4324
20	Nemmara	17	3407.00	667	302	2288
21	North Wayanad	17	13740.00	12	1538	839
22	South Wayanad	19	4416.00	67	1036	2519
23	Kozhikode	17	3901.00	310	95	2215
24	Kannur	20	5256.06	177	1608	3724
25	Kasargod	14	2480.20	342	411	2036
Total		427	175132.56	7062	15225	36798

Table 4.2
Details of Eco-Development Committees (EDC)

Sl. No.	Wildlife Division	No. of EDC	Forest area under EDC (Ha)	No. of families		
				SC	ST	Others
1	Parambikulam	7	43.27	11	277	58
2	Aralam	3	1375.00	0	623	0
3	Silent Valley	8	868.80	23	184	197
4	Wayanad WL	18	0.00	18	716	70
5	Peechi	12	2800.00	178	171	487
6	Thiruvananthapuram WL	33	0.00	972	843	470
7	Shendurney	10	1950.00	207	0	346
8	Idukki	9	3850.00	0	276	473
9	Munnar WL	27	0.00	432	778	1251
10	Periyar East	46	0.00	0	0	0
11	Periyar West	40	0.00	1621	0	1736
Total		213	10887.07	3462	3868	5088

Grama Haritha Samithy (GHS)

The Grama Haritha Samithy (GHS) initiative aims to promote afforestation and environmental conservation at the ward level, engaging local residents in collective conservation efforts. Each ward is allowed only one such association. The Ex-officio Secretary (Section Forest Officer/Beat Forest Officer) introduces the program, and interested residents form a Grama Haritha Samithy (GHS) with a structured Memorandum of Association (MOA). Each GHS nominates four representatives (two men and two women) to represent them in the Panchayat Haritha Samithy (PHS). The GHS is formally affiliated with the PHS, which assigns it an official affiliation number. The GHS collaborates with local residents to develop micro-plans for afforestation and conservation efforts within their ward and adjacent natural habitats. The nominated representatives provide leadership and direction for these activities. In 2022-23, one Grama Haritha Samithy was established.

4.2. Ecotourism

Ecotourism Destinations in Kerala

Ecotourism in Kerala's forest areas is managed by Forest Development Agencies (FDAs), providing visitors with opportunities to explore the state's rich biodiversity while supporting conservation efforts. Currently, 71 ecotourism destinations are operational, offering sustainable tourism experiences that benefit both local communities and the environment.

Table 4.3**District-wise number of ecotourism destinations in Kerala**

Sl. No.	District	No. of destination
1	Thiruvananthapuram	6
2	Kollam	4
3	Pathanamthitta	3
4	Idukki	14
5	Ernakulam	6
6	Thrissur	4
7	Palakkad	8
8	Malappuram	5
9	Kozhikkode	6
10	Wayanad	9
11	Kannur	5
12	Kasargod	1
Total		71

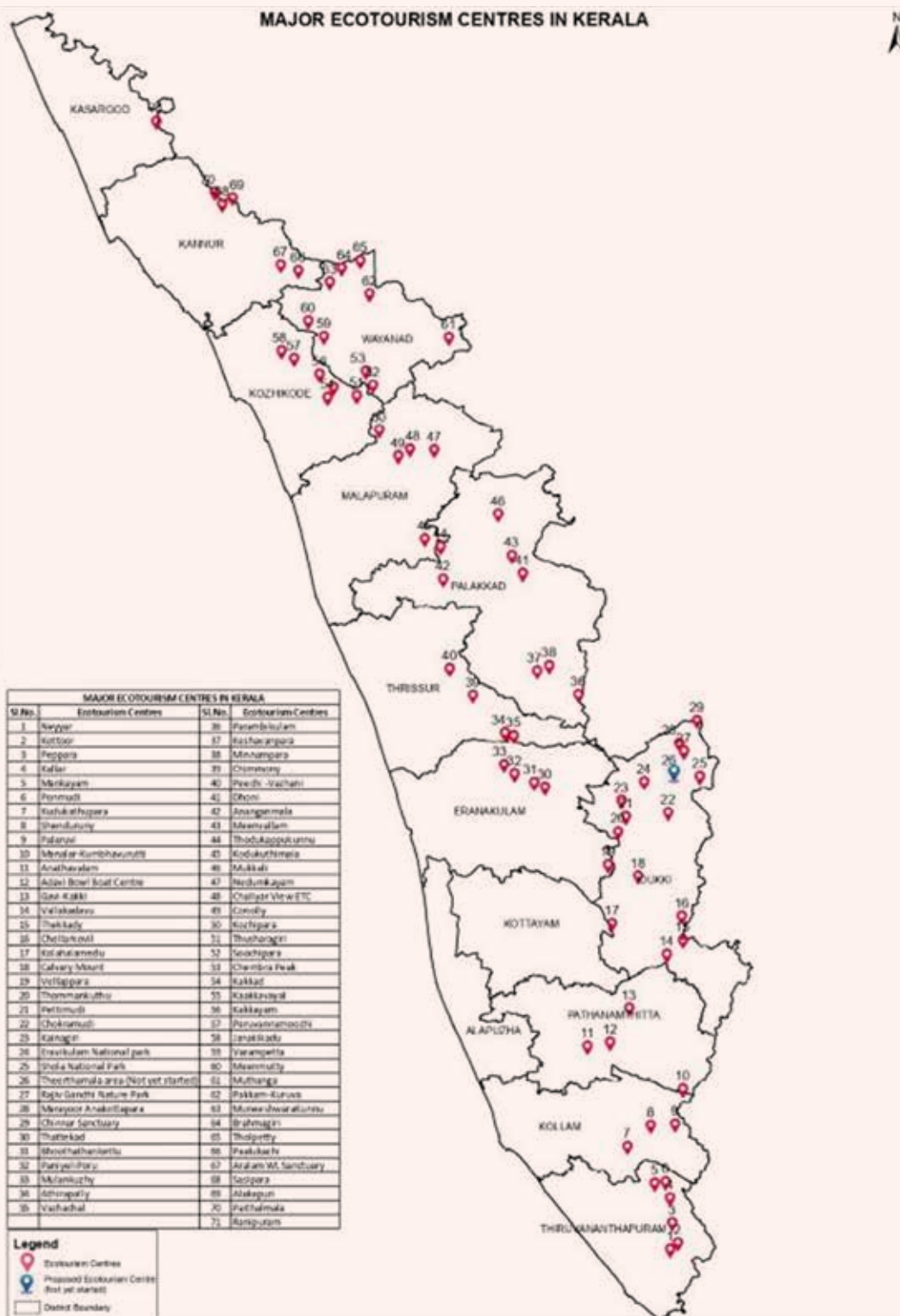


Table 4.4
Details of eco-tourism destinations in Kerala

Sl. No.	Name of Destination & Yr of Establishment	Importance	How to reach	Facilities available	Entrance fee/Service charges	Contact
THIRUVANANTHAPURAM DISTRICT						
1	Kottoor (2010)	Sponsoring elephant feed, Bamboorafting, Kattadi- kkunnu camp, Visit to interpretation centre, Rowing in the lake	By bus- 35 km from Thiruvananthapuram	A/c & Non-A/c cottages available, Stay in the cottages of Kottoor Bowl Boating (Kuttavanchi) Pedal Boating Kappukadu-Erappupara-Kizhakkumala trekking, Kappukadu-Kathirumudi trekking,	Elephant Rehabilitation Centre, Kottoor - Entrance fee for adult Rs. 40 and children Rs. 25/- for Indians and Rs. 85/- for adult, Rs. 50/- children for Foreigners. Still Camera Rs. 45/- and Video Camera Rs. 335/- Boating (Bowl Boat) -Rs.400/- per 4 indians, Rs.600/- per 4 foreigners Pedal Boat : Rs. 200/- for four Indians, Rs. 560/- for four Foreigners, Kizhakkumala Trekking - 1300/5 for Indians Kathirumudi Trekking - Rs.2500/5 for Indians. Stay in the Cottage of Kottoor - Rs. 1600/4 Indians and 2500/4 Foreigners	8547602960 8547602969

Sl. No.	Name of Destination &Yr of Establishment	Importance	How to reach	Facilities available	Entrance fee/Service charges	Contact
2	Neyyar WLS (2000)	Crocodile Park, Snug Havens Neyyardam, Trekking, Boating in Neyyar lake, Agasthya ecotourism centre, Kombaicruise, Kottamanpuramcruise, Rowing,	By bus- 30 KM from Trivandrum 11 KM from Kattakkada	IB available, Boat/Bus safari, Boat/Bus jumbo safari,Meenmutty trekking, Meenmutty camp, Kombai camp Crocodile Park ADP Boating Kakkathookki Trekking	ADP Boating(Deer Park, Agasthya Crocodile Park) at Neyyar Lake - Rs. 250/- per Indian adult, Rs.150/- per Indian child, Rs.500/- per foreigner adult, Rs.300/- per foreigner child, Minimum 10 people required for a trip. Trip Timing - 10 AM to 4 PM,Stillcamera 45/- Video camera - 335/- Bus safari - Neyyar - Kottoorvisit Minimum 10 persons Rs. 4000/- for Indians, Rs. 8000/- for Foreigners. Maximum 22 persons Rs. 400/- per person for Indians and Rs. 800/- per person for Foreigners, Rs.200/- for Indian child, Rs.800/- for Foreign child, Crocodile Park - Rs.25/- for Indian adult, Rs.40/- for foreign adult, Rs. 15/- for Indian child and Rs. 35/- for foreign child Nestler's Harbor - Kombai Boating - Animal sightings Dormitory and one attached separate room. Rs. 10800/- for minimum 6 person and maximum 15 person for Indians (Rs. 1800/- each) Rs. 21600/- for minimum 6 person and maximum 15 person for foreigners (Rs. 3600/- each) Anchunazhikathodu - Nature walk and furnished building Rs. 10000/- for 1-5 Indians, Rs. 20000/- for 1-5 foreigners Citadel, Kottamanpuram - Rs. 4500/2 for Indians, Rs. 9000/2 for Foreigners. Kakkathookki Trekking - Rs. 4000/5 for Indians, Rs. 2000/5 for Indian child, Rs. 8000/5 Foreigners, 4000/5 for Foreign child. Additional Rs. 800/- for Indians and Rs. 1600/- for foreigners. Vettimurichakone - 6400/4 for Indian Adult and Rs. 12800/4 for Foreigners	Asst.wildlifeWarden,Neyyar 8547602970 8547602955 (Monday not working)

Sl. No.	Name of Destination & Yr of Establishment	Importance	How to reach	Facilities available	Entrance fee/Service charges	Contact
3	Peppara WLS (2010)	Vazhuvanthol falls visit, Agasthyarkoodam trekking, Pandipath camp, Agasthyarkoodam view tower camp, Manchadikkanam Machan camp	By bus- 50 KM from Trivandrum	Temporary camp shed available	Vazhuvanthol Trekking Rs. 1500/- for 10 persons (Indian child and adult) Rs. 3000/- for 10 persons (Foreign child and adult) Eco Lodge - Rs. 1200/- (4 persons) for Indians and Rs. 2400/- (4 persons) for Foreigners. Agasthyarkoodom Trekking (Season Package) - Rs.1580/- for Indians and foreigners. Agasthyarkoodom Trekking (Off season) - Rs.18310/- for 5 Indians, Rs.32000/- for 5 foreigners Rs.36620/- for 10 Indians	Asst.wildlife warden, Peppara 8547602951 8547602948
4	Ponmudi (2007)	Ponmudi hills and adjacent areas	By bus- 61 KM (Trivandrum-Nedumangad-Vithura-Ponmudi)	IB (Water authority), Golden peak (KTDC), Govt.Guest house	Entry fee - Rs.40/- per Indian Adult, Rs.20/- per Indian Child, Rs.300/- per foreigner Adult, Rs.225/- per foreigner Child, Bike- Rs.20/-, Auto - Rs. 30/- Car / Jeep-Rs.40/-, Medium Motor vehicle - Rs. 80/- Heavy Vehicle - Rs. 100/- Documentary - Rs. 2000/- Still camera - Rs.70/- Video - Rs. 500/- Trekking 6 hrs. Manachala&Maruthwamala (5 Nos. Pax) Rs. 3500/- Trekking 12hours -Varayadumotta (5 Nos. Pax) Rs. 5000/- Carrying Capacity per day 1500 Numbers	8547601005 9847325027 (All days working)

Sl. No.	Name of Destination & Yr of Establishment	Importance	How to reach	Facilities available	Entrance fee/Service charges	Contact
5	Mankayam (2005)	Mankayam water falls and adjacent areas	By bus(Trivandrum-Nedumangad-Peringamala-Mankayam)		Entry fee - Rs.40/- per Indian Adult, Rs.20/- per Indian Child, Rs.300/- per foreigner Adult, Rs.225/- per foreigner Child, Trekking Varayadumotta - 8 hours Rs. 2500/- (5pax) for Indians and Foreigners Trekking Seethatheertham - 4 hours Rs. 2000/- (5 pax) for Indians and Foreigners Bike- Rs.20/-, Auto - Rs. 30/- Car / Jeep-Rs.40/, Medium Vehicle - Rs. 80/-, Heavy Vehicle - Rs. 100/- Still camera - Rs.25/- Video - Rs. 150/-	8547601005 8547600993 (All days working)
6	Kallar (2005)	Meenmutty waterfalls in the evergreen forests at the foot-hills of Ponmudi	By bus- 29 km (Trivandrum-Neduman-gad-Vithura-Kallar)		Entry fees - Rs. 40/- for Indian adult and Rs. 20/- for Indian child Rs. 300/- for Foreigner and Rs. 225/- for Foreign child Rs. 400/- per head (max. 10 members) 12 hrs. Rs. 4000/- (max. 5 members) 36 hrs. Including one night halt. Rs. 6000/- (max. 5 members) 60 hrs. Including two night halt. Trekking Special class Rs. 400/- per head for one hr. Rs. 600/- per head for 1-3 hrs. Rs. 750/- per head for 3-6 hrs. Still camera Rs. 70/- Video camera Rs. 500/- Documentary Rs. 2000/- Two wheeler Rs. 20/- Three wheeler - Rs. 30/- Four wheeler - Rs. 40/- Medium vehicle - Rs. 80/- Heavy vehicle - Rs. 100/- Carrying capacity - 500	8547600949 9895581262 (All days working)
KOLLAM DISTRICT						
7	Forest Museum (Kulathupuzha) (2023) ManalarKumbhavurutti (Achencovil) (2002)	Children's park, Forest products, Information centre, Evergreen forest, Grass land, Trekking Shola forest, Water falls, Pilgrimage, Achencovil temple of Lord Ayyappa	Trivandrum to Thenmala Road - 61 km (1 hr 40 minutes) 42 KM-(Puna lur Alimukku-Mullumala Achen covil) 80 KM-(Punalur- Thenmala Ary-ankavu)	Snack bar, Guest house Waterfalls, Trekking, Nature camps, Sight seeing	Entry fee- Rs. 50/- per Adult, Rs.25/- per Child (5 years to 15 years), Rs. 250/- for foreigners and Rs. 125/- for foreign children. Still camera Rs. 70/- and Video camera Rs. 500/- Entry fee- Rs. 50/- per Adult, Rs.25/- per Child (5 years to 15 years), Bike / Auto- Rs.30/-, Four wheeler- Rs.75/- Medium Motor Vehicle - Rs.150/-, Heavy Vehicle - Rs.200/- (Carrying capacity - 100)	8547677292 0475 - 2342315 RFO, Achencovil 8547600501

Sl. No.	Name of Destination & Yr of Establishment	Importance	How to reach	Facilities available	Entrance fee/Service charges	Contact
8	Palaruvi (Thenmala) (2002)	Water falls, Bourdillons plot – First stumped teak plantation of Kerala in 1891 Sight seeing Trekking	Punalur-36 km Arayankavu-5 km Shenkottai- 20 km Kollam-80 km Trivandum- 85 km	Interpretation centre cum ticket counter, Vanasree eco shop, Palaruvi canteen, Bathing ghats, Visit to remains of the historical structures,	Entry fee- Sight seeing - Rs 70/- per indian adult, Rs 30/- per indian child, Rs 35/- per student, Rs 200/- per foreigner Trekking : Rs. 100/- for Indians and Rs. 200/- for foreigners Parking Bike – Rs. 25/- Auto- Rs.60/-, Four wheeler – Rs. 200/- Tourist Bus- Rs.200/-, Van / Mini bus- Rs.200/-, Still camera- Rs.50/- Movie camera- Rs.100/- Carrying capacity - 500	9446361543
9	Kudukkathupara (2002)	Nature vision and Trekking	Anchal – Alancherry - Anakulam	Resting place, Toilet, Drinking water, Parking area etc.	Entrance fee : Rs. 30/- for adults, Rs. 10/- for children and Rs. 100/- for foreigners Parking : Two wheeler – Rs. 20/-Three wheeler – Rs. 30/- Car/Jeep – Rs. 100/- Mini Bus – Rs. 100/- Bus – Rs. 100/- (Carrying capacity – 250)	8547600726 0475-2270100
10	Shendurney (2004)	Jungle safari, Soft trekking, Hard trekking, Night trekking, Boating, Jungle camping	Kollam- 66 km	Trekking, Boating, Camping in forests, Guide service, food, Furnished rooms, Jeep safari, Natural spa in streams	Jungle safari (By Bus) Wet'n' wild trail- Rs.4000/- for 10 person (3 hour) Jeep Safari (3 hour) – Rs. 3000/4. Dream trail night Jeep safari – Rs. 6000/6 (3 hour) Birders trail- (5 person for 3 hours) Rs.1000/5 for Indians and Rs. 2000/5 for foreigners. Soft trekking) – 1000/2 (for 3 hours) Hard trekking – 2500/2 (for 6 hours) (Minimum- 2 pax) Students Trekking – Nature walk - 1000/10 for Indian student (2 hour) Trekking – (4 person for 1 hour) 600/4 for Indians and 1200/4 for foreigners Boat safari – Rs. 3000/8 for Indians and 6000/8 for foreigners (1 hour) – Rs. 2000/8 for Indians and Rs. 4000/8 for foreigners (Half hour) – Coracle (Kuttavanchi) – Rs. 400/4 for Indians and Rs. 800/4 for Foreigners (30 minutes) Kalamkunnu Safari – Rs. 750/10 for Indians and 2000/10 for foreigners (1 hour) Rosemala Viewing Tower : Entry ticket – Rs. 50/- for Indians and Rs. 200/- for foreigners - Rosemala Heaven & Nature's Beauty, Idimuzhanganpara – Rs. 10000/- for parents and 2 children (24 hour- working days) Rs. 14000/4 (adult – 24 hours) - Working days, Rs. 15000/- for Holidays, Rs 30000/4 for foreigners (Working & Holidays)	8547602931 8547567935
PATHANAMTHITTA DISTRICT						
11	Konni Elephant Camp (2009)	Forest based ecotourism development with focus on captive elephants, Elephant museum, Elephant bathing, Paper unit	Pathanamthitta - 12 km	Trekking, Rock climbing, Bird watching, Elephant ride, Elephant feeding, Vanasree shop, Childrens park	Elephant kraal of Konni - Rs.50/- per adult, Rs. 20/- per child for Indian and Foreigners Elephant feeding (Anayootu) Rs. 2001/per elephant. Rs.10/- for two wheeler Rs. 30/- for three wheeler, four wheeler and medium - Rs.100/- (for heavy vehicle) Still camera-Rs.100/- Video camera- Rs.250/- Carrying capacity - 3000	04682247645 8547600599 (Monday Holiday)

Sl. No.	Name of Destination &Yr of Establishment	Importance	How to reach	Facilities available	Entrance fee/Service charges	Contact
12	Adavi (2012)	Bowl boat riding & Tree Top Bamboo Hut, Adavi – Gavi Bus Tour	Konni-11km	----	Rs.500/- for short trip journey Rs. 3000/3 - Tree Top Bamboo Hut Rs. 2000/- Bus Tour to Gavi Rain forest	8547600599
13	Gavi-Kakki(2009)	Nilgiri Tahr, Lion tailed macaque and more than 260 species of birds including the great pied hornbill, wood pecker and king fishers are often sighted	Pathanamthitta – Vadaserikkara Chittar – Seethahodu – Anangamoozhy	Resting place	Gavi – Kakki Ecotourism – Entrance Fee – Rs. 70/- for Indians and Rs. 140/- for Foreigners Carrying capacity 30 vehicles per day	8547600897 8547600911
IDUKKI DISTRICT						
14	Chellarkovil (2004)	Panoramic view of Cumbum valley in Tamilnadu	Thekkady-17 km	Telescope Watch tower Sight seeing Bird watching Botanical land Butterfly garden	Service charges - Entrance- Rs.20/-, for adult and Rs. 10/- for children . Telescope- Rs.20/- Watch tower- Rs.20/- for adults and Rs. 10/- for children Rs. 1000/- per day and Rs. 300/- for 3 hours for still camera, video camera and Documentary	8547601146 (Monday not working)
15	Kalvari Mount (2004)	Panoramic view of Idukki arch dam reservoir and Idukki wildlife sanctuary	Thekkady-50 km (Along Kumily-Kattappana-Thodupuzha State highway) Painavu-15 km kuttikkanam-55km	Resting huts Night staying huts Cafeteria Eco shop	Entrance- Rs.25/- Night staying huts- Rs.2500/- for 5 persons Parking fee Two wheeler Rs. 10/- Three wheeler Rs. 20/- Four wheeler Rs. 25/- Mini bus Rs. 60/- Heavy vehicles not allowed Carrying capacity 1500 Nos per day	9497535460 (All days working)
16	Rajeev Gandhi Nature Park (2003)	A huge banyan tree,	Munnar-41 km Udumalpet railway station-47 km	Park visit, Coffee shop & eco shop	Entrance fee- Rs-10/- (free entry for kids below 12 years)	04865-252988 8547601501

Sl. No.	Name of Destination & Yr of Establishment	Importance	How to reach	Facilities available	Entrance fee/Service charges	Contact
17	Anakottapara Park (2003)	No. of dolmens (On the way Marayoor to)	Munnar-41 km Coimbatore airport- 110 km	Park Visit Eco shop Dolmens Visit	Entrance fee - Rs-10/- (free entry for kids below 12 years)	04865-252988 8547601501
18	Viripara (Kainagiri) (2003)	Kainagiri water falls & bathing. Semi evergreen and grassland vegetation. Trekking to Kannadipara	By road:- Munnar-23 km Kottayam-156 km Thiruvananthapuram-300 km, Aluva railway station -153 km Nedumbassery airport-153 km	Information centre cum eco shop	Waterfall visit and bathing- Rs.50/- per person Kannadipara trekking- Rs.300/- person. Still Camera - Rs. 100/- Video Camera - Rs. 300/-	7306485120 (All days working) Carrying capacity 100 Nos. Per day for Trekking and 500 Nos. For waterfall bathing
19	Periyar Tiger Reserve(2004) Thekkady	Gavi & Thekkady, Project tiger Pano-ramic view of undulating mountains, Best place to observe wild animals at close quarters while cruising in the safety of a boat in Periyar lake	Kumily-3 km Cochin international -190 km Kottayam railway station-114 km	Jungle camping, Boating, Bamboo groves(lodging), Tribal dance, Trekking,	Entrance - Rs. 45/- Boating - Rs. 255/- for adult and Rs. 85/- for children. Bamboo grove cottages - Rs. 1500/2. Jungle Camp - Rs. 5500/2 Border (Tented camp) Hiking Brandipara / Thondiyyar - Rs. 2000/- each. Edapalayam Watch Tower stay - Rs. 9600/2. Green walk / Nature walk - Rs. 400/- each. Bamboo Rafting (half day) Rs. 2200/- each (full day) Rs. 2900/- each. Still Camera - Rs. 45/- and Video Camera - Rs. 335/- Parking fee - Rs. 45/- for two/three wheeler - Rs. 85/- for four wheeler and medium vehicle - Rs. 335 for heavy vehicles	Thekkady Range- 04869 22947 Vallakkadavu Range- 04869 252515 Information centre- 04869 224571 8547603066
20	Eravikulam National Park (2003)	Eravikulam national park, Nilgiri thar, La- kkam waterfalls, Cascade walk, Kurinji trail	Munnar-12 km	Visit to rajamala, Eravikulam hut, Trekking, Birdwatching,	Entrance - Rs. 30/- per Indian, Cascade walk - Rs. 300/- per Indians and foreigners,	8301024187 8547603199
21	Shola National Park (2002)	Camping wild, Log house, Stone house, Bison swamp, Ethnic hut Camping wild,	Mathikettan Shola National Park:- Munnar-34 km Theni railway station-55 km Cochin airport-140 km	Amenity centre, Ethnic hut, Trekking, etc	Mathikettan Shola National Park:-Entrance fee- Rs. 30/- per Indian, Rs. 335/- per foreigner Log house-Rs. 2000/- for 2 Indians, Rs. 3000/- for 2 foreigners Trekking- Rs. 400/- per Indian, Rs. 800/- per foreigner	8547603199 8547603222
			Anamudi Shola National Park:- Marayoor- 40 km Aluva railway station-150 km Cochin Airport-160 km Pampadum Shola National Park - Munnar 35 km		Anamudi Shola National Park:-Entrance fee- Rs. 30/- per Indian, Rs. 335/- per foreigner MethapLog house-Rs. 3000/- for 2 Indians, Rs. 4000/- for 2 foreigners MethapStone house- Rs. 3000/- per 2 Indians, Rs. 4000/- per 2 foreigners, Trekking(3 hrs)- Rs. 300/- per Indian Rs. 700/- per Foreigner Pampadum Shola National Park:-Entrance fee- Rs. 30/- per Indian, Rs. 335/- per foreigner Bison Log House- Rs. 5000/2 for Indians, Rs. 6000/2 for foreigners Mud House - Rs. 5000/2 for Indians, Rs. 6000/2 for foreigners Trekking - 3 hours - Rs. 300/- for Indians and Rs. 700/- for Foreigners Amnety Centre (4 bed) - Rs. 3000/2 for Indians and Rs. 4000/2 for Foreigners Amnety Centre (3 bed) - Rs. 2250/2 for Indians and Rs. 3250/2 for foreigners Amnety Centre (7 bed) - Rs. 5250/6 for Indians and Rs. 6250/6 for foreigners	

Sl. No.	Name of Destination & Yr of Establishment	Importance	How to reach	Facilities available	Entrance fee/Service charges	Contact
22	Thommankuthu (2004)	Ancient caves, Thomankoothuwater-falls-(comprises a series of 12 falls over a distance of 5km).The height difference between first and the last one is about 500m.	Thodupuzha -18 km 29 km from Kothamangalam	Trekking,Bathing ghats(during summer season), site seeing, Walking through lush evergreen forest,birdwatching, Vanasree eco shop	Entrance fee :- Rs. 40/- for adults and Rs. 20 for children Rs. 10/- for students Trekking :- Rs. 1500/- for five persons Still camera - Rs.50/- Video camera- Rs.250/- Documentary Rs. 1500/- and others Rs. 5000/-	8078358001 (All days working) Carrying capacity 1000 Nos. per day
23	Chokramudy	Bison Trail Trekking	From Munnar Gap road	Trekking	Entrance fee : Rs. 400/- for Indians and Rs. 600/- for Foreigners	8547601338
24	Pettymudi	Not functioning			Not functioning	
25	Theerthamala	Not functioning			Not function	
26	Vallakkadavu				Entrance fee – Rs. 45/- Jungle camp (Tented stay) – Rs. 5500/2 Camera – Rs. 45/- Video Camera - Rs. 335/-	8547603066
27	Chinnar Sanctuary(2002)	Wildlife sanctuary, Camping wild, Viewing diversity in altitude, Flora and fauna, Marayoor sandal forests, Pambarwater falls, Tribal hamlets,etc	Munnar-40 km	Trekking, Sandal depot,Bird watching, Pambar log house, Koottar log house, Karakad tree nest, Night jar camping Churulipetty log house, Vashyappara mud house,	Entrance fee- Rs. 30/- per Indian, Rs. 335/- per foreigner Cultural Trekking (Koottar, Pambar, Churulipetty)- Rs. 225/- per Indian, Rs. 615/- per foreigner (3 hrs) Trekking (Thoovanam) - Rs. 300/- per Indian, Rs. 700/- per foreigner (3 hrs) Rs. 200/- for Indians and Rs. 500/- for foreigners (1 hr) Rs. 700/- for Indians Rs. 1500/- for foreigners (6 hrs) Pambarlog house / Koottar log house / Churulipetty log house / Jellimala Log House / Thoovanam Log House / Periyakombu Log House - Rs. 3500/- per 2 Indians, Rs. 4500/- per 2 foreigners Watch Tower – Rs. 150/- for Indians - Rs. 400/- foreigners	Wildlife-Warden,Munnar-9447979093 8547603199 8547603222

Sl. No.	Name of Destination & Yr of Establishment	Importance	How to reach	Facilities available	Entrance fee/Service charges	Contact
ERNAKULAM DISTRICT						
28	Kolahalamedu (Vagamon)	Wagamon pine for- est, Grass Bridge, Pine Valley, Mala- mala Waterfalls, Hill Station, Grass land	Kottayam - 2 hr 9 minute Via Erattupettah - Vagamon Road	Wagamon adventure park	Entry fee - Rs. 30/- for Indians Rs. 15/- Rs. 170/- for foreigners. Vagavanam Windy walk- Rs. 180/- for adults, Rs. 35/- for children - Rs. 180/- for foreigners	8547603174
29	Mulamkuzhy (2002)	Periyar river bank with riverine forest, Teak plantation, Mahagani Thottam	Perumbavoor- 20 km Aluva railway station-35 km Cochin international airport-20 km	Parking ground, Cafeteria, Vanasree eco shop, Trek path, Danger line indicator,	Visitors- Rs 50/- for Indian adult Rs. 10/- for Indian child, Rs. 25/- for students Rs. 200/- for foreign adult & child for Rs. 10/- Parking fee - Bike / Auto-Rs.10/-, Four wheeler - Rs. 20/- Medium motor vehicle- Rs.30/-, Heavy vehicle- Rs.50/-, Camera-Rs.10/- Video-Rs. 100/- Documentary - Rs. 500/-	DFO, Malayattoor- 9020904204
30	Paniyeliaporu (2002)	Periyar river bank with riverine forest, Water Falls, Sight seeing	Perumbavoor- 20 km Aluva railway station-35 km Cochin international airport-20 km	Vanasree eco shop, Trek path, Parking ground, Cafeteria, Danger line indicator	Visitors- Rs 50/- for Indian adult Rs. 10/- for Indian child Rs. 200/- for foreign adult & child for Rs. 10/- Rs. 25/- for students Parking fee: Three wheeler Rs.10/ Four wheeler - Rs. 20/- Light motor vehicle- Rs.30/-, Heavy vehicle-Rs.50/- Camera-Rs.10/- Video-Rs. 100/- Documentary Rs. 500	9947004191
31	Bhoothathankettu	Sight seeing Boating Salim Ali Bird Sanctuary	Ernakulam Junction 2 hr 1 min Via - Kuruppampady - Kottappady - Uppukandam - Mali ppara Road - NH 85 Kochi - 50 km	Boating facility is landscaped with tree houses, a children's park and a restaurant	Visitors - Rs. 50/- for Indian adult Rs. 10/- for Indian child Rs. 200/- for foreign adult and child for Rs. 10/- Rs. 25/- for students Parking fee: Three wheeler Rs.10/ Four wheeler - Rs. 20/- Light motor vehicle- Rs.30/-, Heavy vehicle- Rs.50/- Camera-Rs.10/- Video-Rs. 100/-	8281130601 Carrying capacity 100
32	Thattekkad (1983)	Trekking, Pedal Boating, Watch tower	Kothamangalam - 12 km	Night Jungle camp, Resorts, Home stay	Entry - Rs. 50/- for adults Rs. 45/- for children - Rs.200/- for foreign adult, Pedal Boating - Rs. 50/- Boating Thattekkad-Bird Sanctuary - Rs. 150/- for adults and Rs. 70/- for children Trogon Nest Tree Hut - Entry- Staying - Rs. 2600/2 for Indians and 5000/2 for foreigners Border Hiking Trail - Entry fee - Rs. 30/- Trekking - Rs. 1500/- (4 hr) Black Baza Trail (3 hr) - Rs. 500/- for Indians and Foreigners Night Jungle Camp at Frog mouth Watch Tower - Rs. 2600/2 for Indians Rs. 5000/2 for foreigners Minivet bird Trial Trekking - Rs. 500/- for Indians and foreigners	8547603174 8547603195 (Boating nit allowed during Dam opening)

Sl. No.	Name of Destination & Yr of Establishment	Importance	How to reach	Facilities available	Entrance fee/Service charges	Contact
33	Vellappara	Honeymoon Jungle Cottage, Lake view nest, Windy walk Trekking, Boating Vellarappara	From Idukki 36 km	Night Jungle Camp, Resorts, Home stay	Honeymoon Jungle Cottage - Rs. 2000/2Lake view Nest-Rs. 2000/- per room (Dbl room) – Lake view Nest – Rs. 3000/2 (Snglroom) Windy walk at Kolumban Trial Trekking – Rs. 300/- for Indians & Foreigners. Boating Vellappara – Rs. 125/- for Indians and foreigners	8547603174 8547603195 0485-2588302 (Working all days)
THRISSUR DISTRICT						
34	Athirapilly (2000)	Water falls, Beautiful Vazhachal rapids,	Chalakkudy railway station-30 KM Cochin international airport-55 KM	IB & Dormitory, Nature camps, NadukaniTrekking,	Entry fee:- Sight Seeing Rs 50/- per indian adult, Rs. 10/- per indian child, Rs 200/- per foreigner Nadukani Trekking – Rs. 1500/- for Indians and Rs. 3000/- for foreignersParking fee:- Bike / Auto- Rs. 15/-, Four wheeler - Rs. 25/-, Medium vehicle- Rs. 40/-, Heavy vehicle- Rs. 75/-, Camera-Rs.60/-, Video Camera- Rs.400/-	Athirappilly Ticket Counter 8547601897 8547601915 8547601991
35	Vazhachal (2000)	Water falls, Beautiful Vazhachal rapids,	Chalakkudy railway station-30 KM Cochin international airport-55 KM	IB & Dormitory, Nature camps, VazhachalTrekking,	Entry fee:- Rs 50/- per indian adult, Rs 10/- per indian child, Rs 200/- per foreigner - Vazhachal Trekking – Rs. 1000/- for Indians and Rs. 2000/- for foreigners	Vazhachal Check Post 8547601991
36	Chimmony (2008)	Zone of Western Ghats, Medicinal plants diversity.	Thrissur Railway Station – 35 km Cochin International airport – 60 km	Trekking, Tented accomodation, Tree top huts, Bird watching, Bamboo rafting. Myna eco retreat. Dormitory Turtle ride or Kuttavanchi ride	Parking fee:- Bike / Auto- Rs. 50/-, Four wheeler - Rs. 100/-, Medium & Heavy vehicle- Rs. 300/- Camera-Rs.70/- Video Camera- Rs.275/-Entry – Rs. 20/- for Indian adult – Rs. 15/- for students, Rs. 200/- for foreigners Virakuthodu – Choo-rathalaTrekking- Rs.600/3 -for adultsTurtle Ride- 400/4 for adults - Cycling – Rs. 200/- for adults	Asst. Wildlife Warden-8547603454 8547603457
37	Peechi - Vazhani	Rich biodiversity and diverse wildlife, 50 varieties orchids rare medicinal plants, teak and rose wood.	Thrissur East – 20 km - Thrissur Town – 22 km	Dam valley, Bison trekking, Elephant Saga Trekking, Watch Tower Trekking,	Entry – Rs. 20/- for Indian adult – Rs. 15/- for students, Rs. 200/- for foreigners Elephant Saga Trekking – Rs. 600/4 – Bison Trekking – Rs. 800/4 Dam Valley – Rs. 1200/4 –	8547603466

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Sl. No.	Name of Destination & Yr of Establishment	Importance	How to reach	Facilities available	Entrance fee/Service charges	Contact
40	Thodukappu (2004)	Environment Study	Kozhikkode-Palakkad Highway	Interpretation Centre & Children's Park	Entrance fee : Rs. 40/- for adult, Rs. 10/- for children and Rs. 200/- for foreigners, Rs. 10/- for students Still Camera – Rs. 50/- Video Camera : Rs. 250/-	04924222574
41	Minnampara (2004)	Natural beauty of grass land and view point in Nelliampathy	Nenmara- 13 km Minnampara to Grass land-6 km (by Jeep)	Minnampara cloud watch Kesavanpara view point	Rs. 50/- per Indian adult Rs. 20/- per Indian child Rs. 150/- for foreigners Rs. 30/- Students pass Camera – Rs. 40/- Video Camera – 200/-	Section forest Officer- 8547602124 9400129897
42	Dhoni (2004)	Water falls, Panoramic view	Dhoni- Palakkad railway station-12 km	Bird watching , Trekking	Dhoni water falls – Trekking-Rs. 120/- (four person)Kavarakunnu stay package – Rs. 7000/- (2 person) (Monday not working)	8547602073 8547602075 8547602072
43	Ananganmala (2004)	Panoramic view	Ananganmala- PKD railway station-45 km	Sight Seeing, Trekking	Sight seeing – Rs. 40/- for adults – Rs. 15/- for children - Trekking : Rs. 250/4 persons. Camera – Rs. 25/- Video Camera - Rs. 105/-Two wheeler-Rs.15/-, Four wheeler-Rs.25/-	DFO, Palakkad-0491 2555156 RFO Ottappalam-8547602087 7558999674
44	Meenvallam (2004)	Water falls	Meenvallam- PK D railway station-34 KM Nearest airport- Nedumbassey, Kkd & Coimbatore	Trekking, Visit to wet evergreen forests	Entrance fee : Rs. 25/- per adult, Rs. 15/- per child Trekking : Rs. 120/- per person (Monday not working)	8547602073
45	Kesavanpara	View Point			Entry fee – Rs. 15/- Indians Rs. 100/- for foreigners – Rs. 10/- for students – Still Camera – Rs. 50/- Video Camera – Rs. 150/- Carrying capacity - 400	8547602124

Sl. No.	Name of Destination & Yr of Establishment	Importance	How to reach	Facilities available	Entrance fee/Service charges	Contact
MALAPPURAM DISTRICT						
46	Nedumkayam (2003)	Karimpuzha Wildlife Sanctuary – One of the beautiful and dense forest in Malappuram District with splendid variety of flora and fauna.	15 km from Nilambur Town, 11 km from Nilambur Railway Station	Visit to Dawson Grider Bridge, Dawson gave yard, Karimpuzha river, Elephant Kraal.	Entrance fees: Rs. 35/- for adult Rs. 20/- for children and Rs. 80/- for foreigners Parking fees: 2 wheeler – Rs. 40/- 3 wheeler – Rs. 40/- 4 wheeler – Rs. 80/- Heavy Vehicle – Rs. 315/- Photography : Still Camera – Rs. 40/- Video Camera – Rs. 240/- Entry time : 9 am to 4 pm Carrying capacity - 50	8547602268 Monday Not Working
47	Kodikuthimala (2003)	One of the coolest hill station in Mala -ppuram district surrounded by stre ams, grass land and forest with incredible sun set view	10 km from Perin- thal- manna town, 15 km from Angadi ppuram Railway Station.	Trekking, Watch Tower , Sight Seeing	Entrance fees: Rs. 40/- for adult Rs. 20/- for children and Rs. 100/- for foreigners Photography : Still Camera – Rs.150Video Camera – Rs. 150/- Entry time : 8 am to 5 pm Carrying capacity - 2000	8547602292 Monday Not Working
48	Kozhipara (2003)	Natural waterfalls, Cool climate, Undulating mountain rows view	Kakkadampoyil - 2km Nilambur-25 km Malappuram-60 km Kozhikode-90 km	Ticket cum information centre, Toilet facility, Pathway, Handrail Trekking	Entry fee- Rs 40/- per indian adult, Rs 15/- per indian child Trekking with waterfall visist – Rs. 40/- for Indians Rs. 15/- per Indian child - Rs 450/- per foreigner, Rs 170/- per foreign child Rs. 10/- for students Still camera- Rs.40/- Video camera- Rs.315/- Trekking – Rs. 150/- for adult Rs. 80/- for children and students	Range officer, Edavanna- 8547602168 04931220232 Carrying capacity 100
49	Canolly Plot (2003)	Canoly Ecotourism	Nilambur	Ticket cum information centre	Entry fees- Rs.40/- for Indian adult and Rs.15/- for child Rs.450/- for foreign adult and Rs.170/- for foreign child and Rs.10/- for student Still camera- Rs.40/- Video camera- Rs.315/- Parking – Two wheeler Rs. 10/- Three wheeler Rs. 15/- Four wheeler Rs. 25/- Medium / Heavy Rs. 75/-	04931-220232 Carrying capacity 1500 Jankar for adult Rs. 40/-
50	Chaliyar View				Entry fee – Rs. 40/- for Indian adult - Rs. 15/- for children - Rs. 450/- for Foreign adult - Rs. 170/- for children Rs. 10/- for student Still camera- Rs.40/- Video camera- Rs.315/- Parking – Two wheeler Rs. 10/- Three wheeler Rs. 15/- Four wheeler Rs. 25/- Medium / Heavy Rs. 75/-	8547602195 Carrying capacity 500

Sl. No.	Name of Destination & Yr of Establishment	Importance	How to reach	Facilities available	Entrance fee/Service charges	Contact
KOZHIKODE DISTRICT						
51	Kakkayam (Malabar Sanctuary) (2004)	Dam site and water falls	Kozhikode- 56 km	Urakuzhi waterfalls, Trekking in hillocks, Dam, Sight seeing	Rs 50/- per adult, Rs 30/- per child Rs. 110/- per foreigner	DFO, KKD-9447979073 Thamarassery Range Officer 8547602851
52	Kakkad (2004)	Sight seeing through forest area	Kozhikkode - Eengapuzha-Kakkad	Seating, Resting Shelter etc.	Rs 40/- per adult, Rs 20/- per child Rs. 100/- per foreigner Rs. 20/- per student	8547602804
53	Peruvannamuzhy (2004)	Crocodile rescue center, Indian institute of spices research, Agricultural farm	Kozhikode - 45 km	Trekking, Guides, sight seeing, Dam area and Animal Rehabilitation Centre, Butterfly garden	Rs 30/- for adult, Rs 15/- per child, Rs. 50/- per foreigner - Rs. 15/- for student Carrying capacity 500	DFO, KKD 9447979073 8547602842
54	Thusharagiri (2004)	Water falls and Trekking	Kozhikode - 54 km	Trekking, Nature education, Guides, sight seeing	Entry fee - Rs 40/- for adult, Rs 20/- per child, Rs. 100/- per foreigner Rs. 20/-for student Thusharagiri - Thumbithullum para Trekking - Rs. 890/10 for Indians - Rs. 1780/10 for foreigners (2km - 3hours) Thusharagiri - Thonikkayam Trekking (5 km) - Rs. 1450/10 for Indians Rs. 2900/10 for foreigners Thusharagiri - Thenpara Trekking - Rs. 2355/5 for Indians Rs. 4710/5 foreigners	DFO, KKD 9447979073 8547602818
55	Kakkavayal (2004)	Bio-diversity garden (Butterfly, Medicinal Plant, Orchid), Star Forest, Bamboo Park	Kozhikode - 41 km	Sight seeing, Butterfly Garden, Bamboo Settum, Nakshathravanam	Entry fee - Rs 40/- for adult, Rs 20/- per child, Rs. 100/- per foreigner Rs. 20/-for student	DFO, KKD 9447979073 8547602795
56	Janakkad (2004)	Low elevation ever green forest	Kozhikode - 50 km	Trekking, Guides, Sight seeing	Entry fee - Rs 40/- for adult, Rs 20/- per child, Rs. 100/- per foreigner Rs. 20/-for student	DFO, KKD 9447979073 8547602773

Sl. No.	Name of Destination &Yr of Establishment	Importance	How to reach	Facilities available	Entrance fee/Service charges	Contact
WAYANAD DISTRICT						
57	Tholpetty (2003)	Wildlife sanctuary	Sultan bathery-65 km Kozhikode railway station-129 km	Trekking, Vehicle safari, Eco shop, Dormitory, Serambi	Entry -Rs 150/- per Indian adult, Rs65/- per Indian student.Rs 360/- per foreigner. Interpretation centre-Rs. 10/-Cerambi rent (1st floor) - Rs.2945/- per day, Rs. 1695/- (Ground floor) Dormitory rent-Rs.230/- head per bed	Asst.wildlife warden, Tholpetty Range 04935 250853 9946250853
58	Muthanga (2003)	Wildlife sanctuary	Sultan bathery-14 km Kozhikode railway station-110 km	Vehicle safari, Eco shop, Dormitory, Serambi, Eco hut, Honey processing unit,	One hour Jeep Safari - Rs 160/- per Indian adult, Rs. 70/- for Indian child, Rs. 370/- for foreigner. One hour Bus Safari - Rs. 300/- for Indian adult Rs. 150/- for Indian child Rs. 425/- for ForeignerStill camera - Rs.45/ Video camera- Rs.255/-	Asst.wildlife warden, Muthanga range 04936271015 04936271016 04936271017
59	ThirunelliPakshipathalam (Brahmagiri Hills) (2003)	Temple, Pakshipathalam, Brahmagiri Hills,	Sultan bathery-71 km Mananthavady - 30 km	Rain forests, shola, Trekking	Brahmagiri Peak Trekking - Rs. 2355/- for 5 Indian adults Rs. 3100/- for 5 Foreigners and Rs. 60/- for students. Still camera - Rs. 70/- Video camera - Rs. 160/-	8547602506
60	Pakkam-Kuruva (2003)	Island	Sultan bathery - 36km	Visit to riparian forest, Rafting.	Parking fee Entry fee- Rs 110/- per adult, Rs. 200/- per foreigners and Rs 75/- per student - Bike- Rs.12/-, Auto- Rs.36/-, Light motor vehicle-Rs.59/-, Heavy motor vehicle- Rs.95/- , Still Camera- Rs.59/- Video Camera- Prohibited Rafting - Rs. 75/- for Indians Rs. 165/- for foreigners - Rs. 40/- for students Small Rafting - Rs. 400/- (20 minutes) Rs. 450/- (45 minutes) - Rs. 1180/- for 6 persons	DFO, South Wayanad 9447979075 Range Officer 8547602747
61	Soochippara (2003)	Waterfalls	Kalpetta- 24 km	Soochippara waterfalls	Entry fee- Rs. 65/- per Indian adult Rs 130/- per foreigner and Rs. 33/- for students Parking fee- Bike- Rs10/- Auto Rs. 15/-,4 wheeler-Rs.40/- Medium Motor Vehicle - Rs. 50/-Heavy motor vehicle Rs. 89/- Camera - Rs. 53/- VideoCamera Rs.301/-	DFO, South Wayanad 04936 203428, 9447979075 Range Officer-9946957385
62	Chembra Peak (2003)	Trekking	Kalpetta- 25 km	Trekking	Entry fee- Watch Tower visit - Rs 24/- per Indian adult, Rs 18/- per Indian student. Rs 36/- per foreigner. Camera-Rs.53/- Still Camera - Rs. 301/- Trekking 5 members- Rs.1770/- for Indians and Rs 3540/- for foreigner (5 members) Rs.885/5 students	DFO, South wayanad- 04936 203428, 9447979075 Range Officer-8547602689

Sl. No.	Name of Destination &Yr of Establishment	Importance	How to reach	Facilities available	Entrance fee/Service charges	Contact
63	Muneeswaran Kunnu Makkimala (2003)	Stay cum trekking, Hill view	Thalapuzha-Manantha-vady-Thalapuzha forest station-Makkimala-Muneeswaran-kunnu- 5 km and 10 km from Mananthavadi	Sight seeing, Recreation activities	Entry fee -Rs. 45/- for Indian adult Rs. 25/- for Indian childRs. 60/- foreigners. And Rs. 40/- for child The above fee for trekking also Still Camera – Rs. 70/- Video Camera – Rs. 160/-	8547602520
64	Varambetta	Water falls		Banasura – Meenmutty water falls	Entry fee - Rs. 50/- for Indian adult Rs. 100/- foreigners. And Rs. 25/- for students Trekking – Meenmutty – Kattukunnu–Anachola – Rs. 3110/5 for Indians – Rs. 3500/5 for foreigners – Rs. 1930/5 for students Camera – Rs. 53/- VideoCamera Rs.301/-	8547602722
65	Meenmutti Waterfalls, Makkiyad Banasuramala (2003)	Waterfalls, Childrens park	Mananthavady 4 th mile-Korome spot-Korome village office road - 2 km - 20 km from Mananthavady	BanasuramalaMeenmutty Water falls – Meenmutty – Kattukunnu – Anachola Trekking Childrens park	Entry fee- Rs 50/- per Indian adult, Rs 30/- per Indian child. Rs. 70/- for foreigners Still Camera – Rs. 70/- Video Camera – Rs. 160/-	04935 – 240614 Chalil VSS 8547602483
KANNUR DISTRICT						
66	Paithalmala (Purathotty) (Manjapullu)(2006)	Grass land with semi shola forest,Pond	Kannur railway station-60 km Kozhikode airport -172 km	Basic infrastructure facilities	Entry fee- Rs. 60/- per Indian adult, Rs. 20/- for Indian child - Rs. 20/- per Indian student Rs. 250/- per foreigners Camera- Rs. 150/-	8547602621
67	Kanhirakolli (Alakapuri Water falls) (2006)	Waterfalls of 20 to 25m height	Kannur Rl.way station-75 km Karipoor Airport-152 km	Safety barricade, Resting place	Entry fee- Rs 50/- per Indian adult, Rs 20/- per Indian student. Rs 250/- per foreigner. Rs. 200/- for foreign child Camera- Rs.150/- Video Camera – Rs. 225/-	8547602628

Sl. No.	Name of Destination & Yr of Establishment	Importance	How to reach	Facilities available	Entrance fee/Service charges	Contact
68	Aralam WLS			Aaram Ecotourism – Trekking and Off Road Drive	Rs. 115/- for Indian adult Rs. 40/- for Indian child – Rs. 360/- for foreign adult – Rs. 40/- for student Camera- Rs.40/- Video Camera – Rs. 240	9446436466
69	Palukachi	Not functioning				
70	SasipparaView Point (2006)	Sight Viewing	Kannur Railway Station – 65 km		Entry fee- Rs. 50/- per Indian adult Rs. 20/- per Indian child Rs. 200/- per foreigners Camera – Rs.40/- Video Camera – Rs. 225/-	8547602628
KASARGOD DISTRICT						
71	Ranipuram (2006)	Scebic beauty of grass land and trek path	Kanhangad-45 km	DTPC Cottage, toilet	Entry fee- Rs 50/- per Indian adult, Rs 20/- per Indian child and student. Rs 150/- per foreigner StillCamera&Video Camera – Rs. 50/- Parking – 2 Wheeler Rs.10/- 3 & 4 wheeler Rs. 30/- Medium vehicle Rs. 60/- Heavy vehicle Rs. 100/-	8547602605

Visitors and Income generated from Eco-tourism activities in Territorial Divisions

An amount of 2055.074 lakh has been generated towards eco-tourism activities in various eco-tourism centres in 23 territorial divisions in the State.

Table 4.5

Details of visitors and income generated from eco-tourism activities in territorial divisions

Sl. No.	Division	Name of range	Location of eco-tourism centre	No. of Visitors				Income generated (in rupees)
				Native	Foreigners	Students	Total	
1	Thiruvananthapuram	Palode	Ponmudi	589032	2293	26586	617911	31875885
			Mankayam	51692	22	3477	55191	2344035
		Paruthippally	Kallar	158211	832	18623	177666	7453594
2	Thenmala	Aryankavu	Palaruvi	241250	93	6174	247517	12261065
3	Achencovil	Achencovil	Manalar-Kumbhavuruty	105187	0	0	105187	5892610
4	Punalur	Anchal	Kudukkathupara	17187	3	925	18115	499120
5	Ranni	Goodrical	Pachakkanam (Gavi)	53305	307	0	53612	4014310
6	Konni	Konni	Eco Tourism	160283	292	27990	188565	7689710
			Tree Top Huts	614	131	3	748	864000
		Adavi	Adavi& Bowl Boat Centre	58677	9661	150	68488	9249300
		Naduvathumoozhy	Gavi Bus Tour	638	68	4	710	1334900
7	Kothamangalam	Kaliyar	Thommankuthu	56837	266	138	57241	2248600
8	Munnar	Devikulam	Chokramudi	393	296	0	689	334800
9	Kottayam	Kumily	Chellarcovil	10869	89	1691	12649	221590
		Ayyappancoil	Kalvari mount	185327	0	0	185327	5589805
10	Mankulam	Mankulam	Kainagiri	80952	0	26984	107936	4191307
			Nakshathrakuthu & Anakulam	18947	0	6315	25262	1377850
11	Marayur Sandal	Marayur	Rajiv Gandhi National Park	21535	0	3410	24945	215350
		Kanthalloor	Anakottapara Park	55239	159	22523	77921	553980
12	Vazhachal	Charpa	Athirappilly	986774	6883	241505	1235162	6571908
			Vazhachal	106008	227	15328	121563	782242

Sl. No.	Division	Name of range	Location of eco-tourism centre	No. of visitors				Income generated (in rupees)
				Native	Foreigners	Students	Total	
13	Malayattoor	Kodanad	Paniyeliporu VSS	103400	104	11714	115218	6007290
		Kalady	Mulamkuzhy VSS	53209	99	6724	60032	3132090
		Thundathil	Bhoothathankettu	34492	0	1483	35975	1739431
14	Mannarkkad	Agali	Thodukappu	2626	0	942	3568	62092
15	Nilambur South	Karulai	Nedumgayam	39786	29	6089	45904	2332000
		Kallikavu	Kodikuthimala	81290	76	2922	84288	3354000
16	Nilambur North	Edavanna	Conolly Plot, Aruvacode	80648	0	5185	85833	4081861
			Kozhipara	45139	0	438	45577	1888310
		Nilambur	Chandakkunnu	55055	0	2363	57418	2318855
17	Palakkad	Ottappalam	Ananganmala	34612	0	0	34612	1289665
		Olavakkode	Meenvallam Waterfalls	38374	0	0	38374	938840
			Dhoni Waterfalls	12303	0	0	12303	1476360
			Irulankunnu Watch Tower	1211	0	0	1211	145320
18	Nemmara	Kollengode	Minnampara	56856	14	2289	59159	4318800
		Nelliyampathy	Kesavanpara	56522	9	3325	59856	896880
19	Kozhikode	Thamarassery	Thusharagiri	243595	1085	29109	273789	7812700
			Kakkad	14196	0	458	14654	465495
			Kakkavayal	19385	0	2134	21519	613560
		Peruvannamuzhi	Peruvannamuzhi	20247	6	2697	22950	648165
		Kuttiady	Janakikkad	19915	5	1074	20994	613810
20	Wayanad North	Begur	Brahmagiri Trekking	2199	76	624	2899	691370
			Muneeswarakunnu	11927	5	631	12563	315534
		Mananthavady	Meenmutty - Makkyad	27284	14	2470	29768	1422293

Sl. No.	Division	Name of range	Location of eco-tourism centre	No. of visitors				Income generated (in rupees)
				Native	Foreigners	Students	Total	
21	Wayanad south	Kalpetta	Banasuramala -Meenmutty	169482	2033	3126	174641	10261797
		Meppady	Soochippara	199648	987	9433	210068	12076579
			Chembra	64734	358	272	65364	11759529
		Chedalathu	Pakkom-Kuruva	153639	273	51755	205667	14850342
22	Kannur	Thaliparamba	Paithalmala (Purathotty)	29788	24	1300	31112	933800
			Alakapuri Waterfall	13409	3	514	13926	274560
			Manjapullu	6409	5	154	6568	197280
			Sasipparaview point	12183	0	528	12711	250100
			Palukachi	2288	0	351	2639	131130
23	Kasargod	Kanhangad	Ranipuram	51250	22	2081	53353	2641570
Total				4716058	26849	554011	5296918	205507369

Visitors and Income generated from Eco-tourism activities in Wildlife Divisions

An amount of 3659.657 lakh has been generated towards eco-tourism activities in wildlife divisions in the State.

Table 4.6

Details of visitors and income generated from eco-tourism activities in wildlife divisions

Sl. No.	Name of Wildlife Sanctuary/ National Park	District	Division	No. of Visitors				Income generated (in rupees)
				Native	Foreigners	Students	Total	
1	ABP Range, Kottoor	Thiruvananthapuram	Thiruvananthapuram WL Division	80101	2225	9106	91432	3267915
2	Neyyar WLS			29206	584	7221	37011	5647910
3	Peppara WLS			5931	24	136	6091	667450
4	Shenduruney WLS	Kollam	Shenduruney WL	57318	1	162	57481	7463000
5	Thattekad bird sanctuary	Eranakulam	Idukki WLS	54224	478	5329	60031	1803435
6	Idukki WLS	Idukki		15698	7	2863	18568	4004913
7	Malabar Sanctuary	Kozhikode	Kozhikode	67213	30	2411	69654	2060630
8	Wayanad WLS	Wayanad	Tholpetty EDC	49169	426	7688	57283	9033750
			Muthanga EDC	82183	710	12501	95394	33555636
9	Parambikulam Tiger Reserve	Palakkad	Parambikkulam	64873	4963	159	69995	59644963
10	Periyar East Tiger Reserve	Idukki	Thekkady in PTR	544887	20977	8517	574381	127578854
			Vallakkadavu PTR	10857	722	2	11581	3051943
11	Silent Valley NP	Palakkad	Mukkali	5665	18	222	5905	2188355
12	Eravikulam NP	Idukki	Munnar Wildlife	472670	7747	75917	556334	91990423
13	Chinnar WLS			32134	161	0	32295	5175625
14	Pampadum shola NP			3502	161	0	3663	1917770
15	Chimmony WLS	Thrissur	Peechi-Vazhani	70476	35	899	71410	6179175
16	Aralam WLS	Kannur	Aralam	3747	13	1383	5143	733981
Total				1649854	39282	134516	1823652	365965728

Vanasree Eco-shops

Established in 2011-12, Vanasree Eco-Shops serve as commercial outlets for Vana Samrakshana Samithies (VSS) to sell processed and semi-processed non-timber forest products (NTFPs) collected by tribal communities. These shops ensure fair trade practices, allowing tribal collectors to earn a sustainable livelihood while offering the public authentic and unadulterated forest products. Profits generated from Vanasree Eco-Shops are reinvested into VSS initiatives, benefiting forest-dependent communities. Currently, there are 72 Vanasree Eco-Shops in Kerala, including two mobile units, operating under the Forest Development Agencies (FDAs).

Table 4.7
Division-wise location of Vanasree eco-shops

Sl. No.	Division	Location
1	Thiruvananthapuram	Eco-shop (Hqrs) Thiruvananthapuram
2		Kallar
3		Ponmudi
4		Ponmudi Checkpost
5		Palode
6		Mobile Vanasree unit
7		Kulathupuzha
8	Achenkovil	Achenkovil
9	Thenmala	Thenmala
10	Punalur	Ayur
11		Pathanapuram
12	Konni	Konni
13		Adavi
14	Ranni	Angamuzhy
15		Pampa (Seasonal)
16	Kothamangalam	Thommankuthu
17	Marayoor	Marayoor
18		Kanthalloor
19	Munnar	Masalapetty, Neryamangalam
20		Palar
21	Kottayam	Pullupara
22		Calvarymount
23	Malayattoor	Mulankuzhi
24		Panayeliaporu
25		Malayattoor
26	Chalakudy	Chalakudy

Sl. No.	Division	Location
27	Vazhachal	Athirappally
28		Vazhachal
29		Mobile Vanasree Unit
30	Palakkad	Malampuzha
31		Ananganmala
32	Mannarkkad	Anakkatti
33	Nenmara	Pothundi
34	Nilambur North	Aruvakode
35		Kodikuthimala
36		Nedumkayam
37	North Wayanad	Mananthavady
38		Parathodam
39	South Wayanad	Banasura
40		Chembra
41	Kozhikkode	Thusharagiri
42		Peruvannamoozhy
43	Kannur	Nedumpoyil
44	Kasargode	Ranipuram
45	Thiruvananthapuram WL	Ecoshop, Neyyar
46		Ecoshop, Kottoor
47		Vanasree, Peppara (Holidays & Special Days only)
48	Schendurney Wildlife	Vanasree Schendurney
49		Vanasree Rosemala
50	Periyar East	Pugmark Shop Boat Landing
51		Pugmark Shop Information Centre
52		Pugmark Shop Vallakkadavu
53	Periyar West	Pugmark Shop Pampa
54	Idukki Wildlife	Thattakkad
55		Vellappara (1)
56		Vellappara (2)
57	Munnar Wildlife	Top Station, Shola NP
58		Eravikulam, Eravikulam NP
59		Lakkam, Eravikulam NP
60		Karimutty, Chinnar WLS
61		Chinnar, Chinnar WLS
62	Parambikulam, Wildlife	Parambikulam
63		Anappady

Sl. No.	Division	Location
64	Wayanad Wildlife	Muthanga
65		Tholpetty
66		Begur
67	Peechi Wildlife	Peechi
68		Chimmony
69	Silent Valley National Park	Mukkali Town
70		Vanasree Information Centre
71	Aralam WL	Aralam Vanasree
72	SF, Alappuzha	Kommadi

Tribal Co-operative Societies

Tribal Co-operative Societies play a crucial role in the sustainable collection and marketing of Non-Wood Forest Produce (NWFP) in Kerala. These societies, formed by tribal communities, ensure fair pricing and equitable distribution of benefits, thereby enhancing the economic well-being of tribal families. By promoting responsible harvesting practices, these co-operatives contribute to the long-term conservation of forest resources while empowering indigenous communities. A detailed report on the Tribal Co-operative Societies authorized for NWFP collection in 2022-23 is provided below.

Table 4.8

Division/ Range wise details of Tribal Co-operative Societies

Sl. No.	Division	Range	Name of society
1	Thiruvananthapuram	Kulathupuzha	Kalayapuram Scheduled Tribe Co-operative Society
2		Palode	Njaraneeli Scheduled Tribe Co-operative Society
3	Thenmala	Aryankavu	Aryankavu Girijan Co-op. Society, Aryankavu
4	Punalur	Anchal	Vanchiyodu SC/ST Society Ltd.No.Q1032, Venkolla.P.O, Madathara
5	Ranni	Ranni	Chollanavayal Girijan Service Co-op. society Ltd. No. Q 759 Adichippuzha
6		Vadasserikkara	Perunthenaruvi Girijan Service Co-op. Society Ltd No. Q 763, Vechoochira
7		Goodrical	Seethathode – Chittar Tribal Co-operative Society
8	Mankulam	Mankulam, Anakulam	Adimali Girijan Service Society
9	Munnar	Adimaly	Scheduled Tribe Co-operative Society Ltd. No. 3887
10		Devikulam	Devikulam Scheduled Tribe Co-operative Society No. 112
11	Kottayam	Nagarampara	Vazhathope ST Service Co-op. Society, Idukki

Sl. No.	Division	Range	Name of society
12	Kothamangalam	Thodupuzha, Mullaringad, Kaliyar	Tribal Co-op. Society, Vazhathoppe
13	Thrissur	Pattikkad/ Vadakkancherry/Machad	Thalappilly Taluk Girijan service co-op. society Ltd No. R-673
14	Palakkad	Olavakkode, Walayar	Malampuzha Pattika Varga Co-op. Society
15	Mannarkkad	Agali	SholayarGirijan Co-op. Society
16			Kottathara Tribal Co-op Society
17		Attappadi, Mannarkkad	Kurumba Tribal Co-op Society
18	Nemmara	Nelliampathi	Malampuzha Girijan Co-operative Society
19		Kollengode	Malampuzha. Pattikavarga Sevana Sahakarana Sangam Ltd
20	Nilambur North	Edavanna, Nilambur, Vazhikkadavu	Nilambur SC/ST Co-op. Society, Ramankuth
21	Nilambur South	Kalikavu, Karulai	Nilambur Tribal Co-op. society (No. M/114)
22	Wayanad South	Chedleth	Pulpally ST Co-op. Society
23			Sulthan Bathery ST Co-op. Society
24		Meppady, Kalpetta	Meppady ST Co-op. Society
25	Wayanad North	Begur	Thirunelly Tribal Co-op. Society, Appapara, Thirunelly. P.O.
26		Periya	Thavinhal Tribal Society, Thalapuzha
27	Kozhikkode	Kuttiadi, Thamarassery	Vilangad ST Service Co-op. Society
28	Kannur	Thalipparamba, Kottiyoor, Kannavam	Nedumpoyil ST Service Co-op. Society, Nedumpoyil
29	Periyar East	Thekkady	Periyar Honey Processing Unit

Chapter - V

HUMAN RESOURCES

The Kerala Forest Department comprises a dedicated workforce of trained forest officers and staff, specializing in forest management, wildlife conservation, eco-tourism, and allied sectors. Their expertise and commitment play a vital role in the sustainable management and conservation of Kerala's rich forest resources.

(Organizational chart attached as Annexure)

5.1. Staff Strength

Table-5.1
Sanctioned and present staff strength of Kerala Forest Department
as on 31-03-2023

Sl. No.	Name of post	Sanctioned Strength	Present Strength
1	Principal Chief Conservator of Forests*	6	6
2	Addl. Principal Chief Conservator of Forests*	5	5
3	Chief Conservator of Forests	11	11
4	Conservator of Forests	13	13
5	Dy. Conservator of Forest (IFS Cadre)	36	36
6	Addl. Dy. Conservator of Forests	2	1
7	Forest Tribunal (Judicial Staff)	1	1
8	Joint Secretary (Law)	1	1
9	Senior Finance Officer	1	1
10	Senior Administrative Officer	1	1
11	Deputy Director (Statistics)	1	1
12	Deputy Director (Wildlife Education)	3	3
13	Asst. Conservator of Forests / Deputy Conservator of Forests (NC)	101	95
14	Senior Administrative Assistant	9	9
15	Administrative Assistant	12	12
16	Personal Assistant	3	3
17	Senior Superintendent	34	34
18	Range Forest Officer	205	174
19	Deputy Range Forest Officer	168	168
20	Public Relation Officer	1	1
21	Assistant Forest Public Relation Officer	3	1
22	Junior Superintendent	71	71
23	Head Accountant	74	74
24	Research Assistant (Statistics)	3	3
25	Senior Grade Wildlife Assistant	2	1
26	Wildlife Assistant	10	8
27	Senior Clerk	443	443

Sl. No.	Name of post	Sanctioned Strength	Present Strength
28	Clerk	444	411
29	Statistical Assistant Grade I & II	34	33
30	Faircopy Superintendent	8	8
31	Selection Grade Typist	33	33
32	Senior Grade Typist	33	32
33	Typist Clerk	1	1
34	UD Typist	34	34
35	LD Typist	34	33
36	Confidential Assistant	39	32
37	Legal Assistant	1	1
38	Section Officer (Law)	1	1
39	Chief Forest Veterinary Officer	1	0
40	Asst. Forest Veterinary Officer	14	8
41	Forest Veterinary Officer	1	1
42	Veterinary Doctor	1	1
43	Documentation Officer	1	0
44	Asst. Director (Survey)	1	1
45	Survey Superintendent	2	2
46	Head Surveyor	2	2
47	Surveyor Grade I & II	66	51
48	Bench Clerk (on deputation)	1	1
49	Section Forest Officer	938	937
50	Beat Forest Officer	3126	2926
51	Sheristadar cum Secretary	1	1
52	Head Draftsman	2	2
53	Draftsman	45	31
54	Circle Inspector of Police	2	0
55	Sub Inspector of Police	4	0
56	Senior Civil Police Officer	22	4
57	Civil Police Officer	110	5
58	Librarian	1	1
59	Project Operator	1	0

Sl. No.	Name of post	Sanctioned Strength	Present Strength
60	Pharmacist	2	1
61	Dispensary Attender	1	0
62	Nursing Assistant	1	0
63	Binder	2	2
64	PT Instructor	6	3
65	Record cum Store Keeper	3	0
66	Museum Assistant	1	0
67	Office Attendant	420	410
68	Sweeper cum Peon	1	1
69	Daffedar	1	0
70	Attender	18	18
71	Dark Room Attender	1	0
72	Driver	262	241
73	Photographer cum Artist	1	1
74	Gardener	1	1
75	Traker cum Gardener	3	0
76	Gardener cum Marker	1	0
77	Cleaner	2	2
78	Muduvan Watcher	8	7
79	Night Watcher	25	20
80	RF Watcher / Depot Watcher	194	194
81	Forest Watcher (Special Recruitment)	700	695
82	Watcher cum Cook	1	1
83	Tapal Watcher	3	0
84	Rest House Watcher	1	0
85	Scavenger / Sanitary Worker	1	1
86	Cook / Asst. Cook	1	1
87	Boat Driver	11	4
88	Boat Zrang	1	0
89	Boat Watcher	2	0
90	Boat Cleaner / Cleaner	2	2
91	Lascar	1	0
92	Survey Lascar	11	3
93	Mahouts & Kavadi	27	15
94	Timber Supervisor	1	0
95	Pump Operator	1	0
96	Lab Assistant	1	0
97	Radio Mechanic	1	0

Sl. No.	Name of post	Sanctioned Strength	Present Strength
98	Helper	2	0
99	Bus Cleaner	1	1
100	Chowkeedar	1	0
101	Part Time Contingent Employees	303	300
102	Waterman cum Gardner	1	1
Total		8252	7695

*The vacant posts of Additional Principal Chief Conservator of Forest are handled by the Principal Chief Conservator of Forests as additional charge. 8 Vacant posts of Chief Conservator of Forests are being managed by Additional Principal Chief Conservator of Forests (in additional charge)/ Conservator of Forests/ Dy. Conservator of Forest. 10 vacant Conservator of Forest posts are handled by Senior Dy. Conservator of Forests. The vacant posts of Deputy Conservators of Forests are filled under rule (9).

In addition to 143 super numerary watcher post, during 2022-23, 4 supernumerary (3 Nos. of watcher post and an office attendant) posts are created.

5.2. Details of Training

Regular training programs are conducted to enhance the skills of forest personnel in areas such as ecosystem management, wildlife conservation, and community engagement. In 2022-23, 729 officials from various cadres participated in specialized training programs, ensuring their preparedness to effectively protect and manage Kerala's diverse forest ecosystems.

Table-5.2
Details of Training

Sl. No.	Details of Training	No. of participants
TRAINING WITHIN THE STATE		
1	Beat Forest Officers training at Arippa & Walayar	322
2	Deputy Range Forest Officers training at Arippa & Walayar	68
3	Forest Drivers Training at Arippa & Walayar	88
Total		478
1	KFDC Managers Training at Walayar	16
2	Beat Forest Officers Police Training	235
Total		251
GRAND TOTAL		729

Chapter – VI

INFRASTRUCTURE

The department maintains an extensive infrastructure network to support conservation efforts, including administrative and residential buildings, forest access roads, and a fleet of patrolling vehicles. Additionally, arms and ammunition are provided to ensure effective enforcement of conservation laws and the protection of wildlife.

6.1. Forest Stations

The Forest Station System, introduced in 1988 based on the police station model, replaced the beat section system to enhance forest protection. As of March 31, 2023, Kerala has 125 Forest Stations and 64 Check Posts, with two new check posts—Elavungal and Kottoor—established during the year.

Table-6.1
Division/ range-wise details of forest stations

Sl. No.	Division	Range	Forest Stations	
SOUTHERN CIRCLE KOLLAM				
1	Thenmala	Thenmala	1	Kadamanpara*
2	Achenkovil	Achenkovil	2	Kumbavaruthy*
3	Punalur	Pathanapuram	3	Ambanar
			4	Punnala*
		Anchal	5	Ezhamkulam*
4	Konni	Konni	6	Kumaramperoor (S)
			7	Kumaramperoor (N)*
		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

Sl. No.	Division	Range	Forest Stations	
HIGH RANGE CIRCLE KOTTAYAM				
6	Kottayam	Nagarampara	22	Vazhathoppu*
			23	Vairamony
		Ayyappancovil	24	Kanchiyar
		Erumeli	25	Murinjapuzha
			26	Vandanpathal*
			27	Placherry*
7	Kothamangalam	Thodupuzha	28	Veloor
8	Munnar	Munnar	29	Pettimudy
		Adimali	30	Machiplavu*
			31	Panamkutty
		Neriyamangalam	32	Nagarampara*
			33	Inchathotty*
			34	Valara*
9	Marayoor	Marayoor	35	Marayoor*
			36	Nachivayal*
		Kanthalloor	37	Kanthalloor*
			38	Vannanthura*
CENTRAL CIRCLE THRISSUR				
10	Thrissur	Vadakkancherry	39	Erumapetty*
			40	Poongodu
			41	Mayannoor
		Machad	42	Elanad
			43	Vazhani
		Pattikkad	44	Pattikkad
			45	Mannamangalam
11	Vazhachal	Charpa	46	Kannankuzhy*
		Vazhachal	47	Vazhachal*
			48	Mukkumpuzha
		Kollathirumedu	49	Kollathirumedu*
		Sholayar	50	Malakkappara*
			51	Sholayar
		Athirappally	52	Athirappally*
12	Chalakudy	Pariyaram	53	Ezhattumugham
			54	Konnakuzhy
		Vellikulangara	55	Chaippankuzhy
13	Malayattoor	Kodanadu	56	Mupliyam*
			57	Perumthodu*
			58	Erumukham*
			59	Mekkappala*

Sl. No.	Division	Range	Forest Stations	
	Malayattoor contd...	Kalady	60	Karakkadu
			61	Kannimangalam
			62	Evergreen*
		Thundathil	63	Bhoothathankettu
			64	Karimpani
			65	Edamalayar*
			66	Vadathuppara*
		Kuttampuzha	67	Pooyamkutty
			68	Anakulam*
		Edamalayar	69	Ennakkal*
70	Perumuzhy			
EASTERN CIRCLE PALAKKAD				
14	Nenmara	Kollengode	71	Thekkady*
		Nelliampathy	72	Nelliampathy*
		Alathur	73	Mangalam dam
15	Mannarkkad	Mannarkkad	74	Palakkayam*
			75	Mannarkkad
			76	Thiruvizhamkunnu*
		Attappady	77	Puthur*
			78	Mukkali*
		Agali	79	Ommala*
			80	Sholayar*
			81	Singappara*
16	Nilambur (South)	Karulai	82	Padukka*
			83	Nedumkayam
		Kalikavu	84	Chakkikuzhi*
			85	Karuvarakundu
17	Nilambur (North)	Edavanna	86	Akampadam*
			87	Edacode*
			88	Kodumpuzha
		Nilambur	89	Vaniyampuzha*
			90	Kanjirapuzha*
		Vazhikkadavu	91	Nellikuthu
			92	Pothukal*
NORTHERN CIRCLE KANNUR				
18	Wayanad (North)	Mananthavady	93	Makkiyad*
		Begur	94	Thirunelly*
			95	Thalapuzha*
		Periya	96	Kunhome*
			97	Varayal*

Sl. No.	Division	Range	Forest Stations	
19	Wayanad (South)	Meppadi	98	Mundakkai
			99	Vythiri*
		Chedleth	100	Irulam*
			101	Pulpally*
20	Kozhikkode	Peruvannamoozhi	102	Kakkayam
			103	Peruvannamoozhy
FIELD DIRECTOR (PROJECT TIGER) KOTTAYAM				
21	Munnar WL (Eravikulam)	Eravikulam NP	104	Chattamunnar
		Chinnar WS	105	Kambakkallu
			106	Karimutti
		Shola NP	107	Kadavari*
22	Periyar East	Vallakkadavu	108	Gavi*
			109	Sannidhanam*
23	Periyar West	Pamba	110	Mukkuzhi*
			111	Pachakkanam
WILDLIFE CIRCLE PALAKKAD				
24	Silent Valley	Bhavani	112	Anavai
			113	Thudukki
25	Peechi	Peechi	114	Olakara*
			115	Peechi
			116	Vaniampara*
		Chimmini	117	Chimmini
			118	Kavala
			119	Vandikkadavu
26	Wayanad WL	Kurichiat	120	Kuppady*
		Sulthanbathery	121	Naikatty
			122	Muthanga*
		Muthanga	123	Thottamoola*
		Tholpetty	124	Tholpetty*
27	Aralam WL	Aralam	125	Narikkadavu

* - Model Forest Station

6.2 Check-posts

Table-6.2
Division / Range-wise details of check-posts

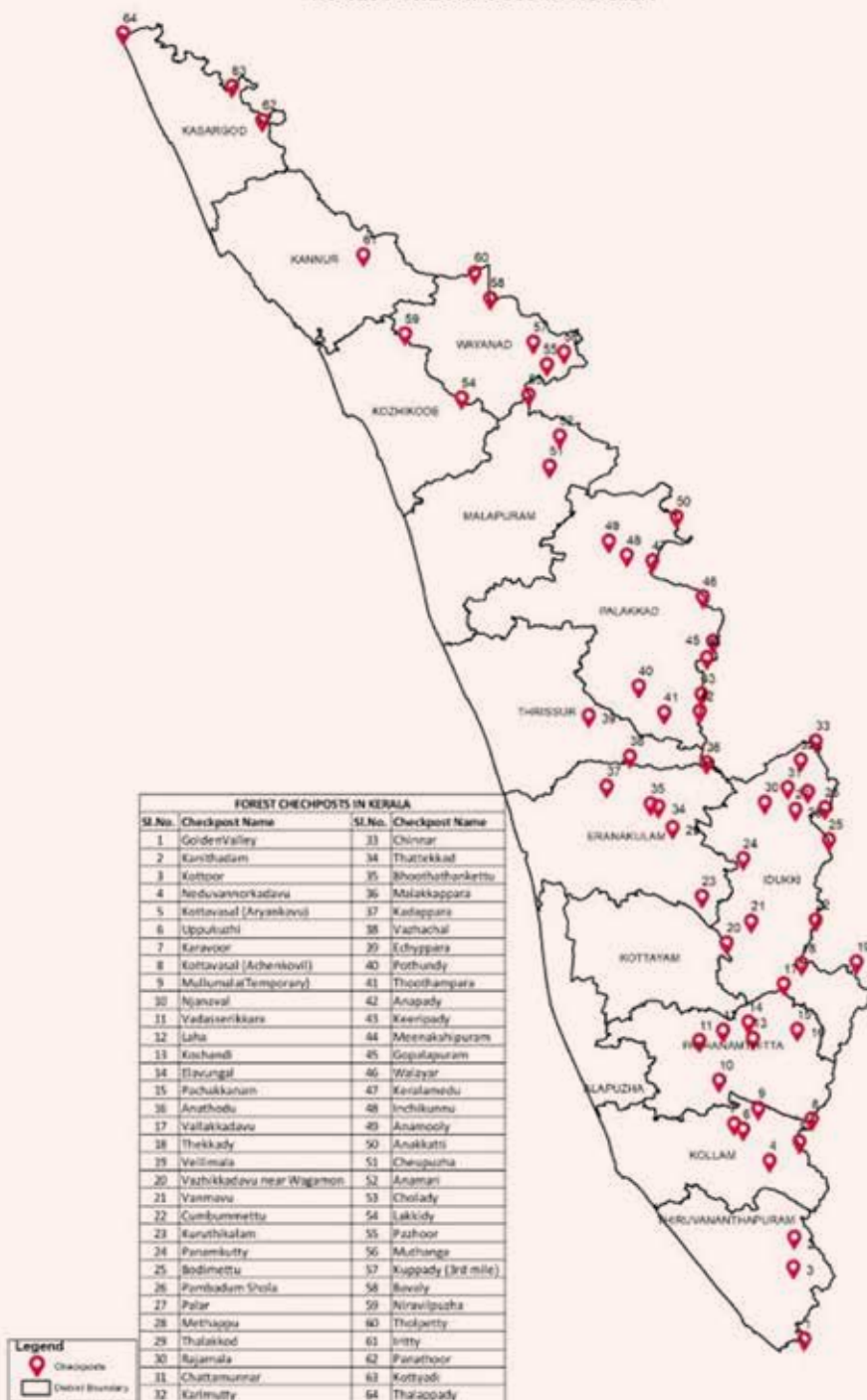
Sl. No.	Division	Range	Check-posts	
SOUTHERN CIRCLE KOLLAM				
1	Thiruvananthapuram	Palode	1	Goldenvally
2	Thenmala	Thenmala	2	Neduvannurkadavu
		Aryankavu	3	Kottavasal (Aryankavu)*

Sl. No.	Division	Range	Check-posts	
3	Punalur	Pathanapuram	4	Karavoor
			5	Uppukuzhi
4	Achenkovil	Achenkovil	6	Kottavasal (Achenkovil)*
5	Konni	Naduvathumuzhy	7	Njanaval
		Mannarappara	8	Mullumala (Temporary)
6	Ranni	Goodrical	9	Kochandi
			10	Elavungal
		Vadasserikkara	11	Vadasserikkara
		Ranni	12	Laha (Rajampara)
HIGH RANGE CIRCLE KOTTAYAM				
7	Kottayam	Kumili	13	Cumbummettu*
		Erumeli	14	Vazhikadavu
8	Kothamangalam	Thodupuzha	15	Guruthikalam
9	Munnar	Neriyamangalam	16	Thalakkodu
		Adimali	17	Panamkutty
		Devikulam	18	Bodimettu
			19	Palar
10	Marayoor	Marayoor	20	Chattamunnar
CENTRAL CIRCLE THRISSUR				
11	Vazhachal	Charpa	21	Vazhachal
		Sholayar	22	Malakkappara
12	Malayattoor	Kalady	23	Kadappara
		Kuttampuzha	24	Thattekadu
		Thundathil	25	Boothathankettu
EASTERN CIRCLE PALAKKAD				
13	Nenmara	Nelliyampathy	26	Pothundi
		Kollengode	27	Gopalapuram*
			28	Meenakshipuram*
14	Mannarkkad	Agali	29	Anakkatty*
			30	Keralamedu
		Mannarkkadu	31	Anamooly
			32	Inchikunnu
15	Palakkad	Walayar	33	Walayar*
16	Nilambur North	Vazhikkadavu	34	Anamari*
17	Nilambur South	Karulai	35	Cherupuzha

Sl. No.	Division	Range	Check-posts	
NORTHERN CIRCLE KANNUR				
18	Kannur	Kottiyoor	36	Iritty*
19	Kasargode	Kanjangad	37	Panathur*
		Kasargode	38	Thalappady*
			39	Kottayadi*
20	Wayanad (North)	Perya	40	Niravilpuzha
21	Wayanad (South)	Meppadi	41	Cholady*
		Kalpetta	42	Lakkidy
AGASTHYAVANAM BIOLOGICAL PARK				
22	Thiruvananthapuram WL	Peppara sanctuary	43	Kanithadam
		ABP, Kottoor	44	Kottoor
FIELD DIRECTOR (PROJECT TIGER) KOTTAYAM				
23	Periyar East	Thekkady	45	Thekkady
		Vallakkadavu	46	Pachakkanam
			47	Anathodu
			48	Vallakkadavu
		Periyar	49	Vellimala
24	Munnar WL	Eravikulam NP	50	Rajamala
		Chinnar WLS	51	Chinnar*
			52	Karimutty
		Shola NP	53	Pambadum Shola
			54	Methappu
25	Idukki WL	Idukki WLS	55	Vanmavu
WILDLIFE CIRCLE PALAKKAD				
26	Wayanad WL	Muthanga	56	Muthanga*
			57	Pazhoor*
		Tholpetty	58	Tholpetty*
			59	Bavali*
		Kurichiat	60	Kuppadi (3rd mile)
27	Parambikulam	Sungam	61	Anappadi*
			62	Keerappadi*
		Orukomban	63	Thuthanppara
28	Peechi	Chimmony	64	Echippara

*- Interstate Check-post

FOREST CHECKPOSTS IN KERALA



6.3. Roads

The type wise details of roads maintained by the department as on 31.03.2023 are given below.

Table 6.3
Details of Roads

Sl. No.	Type of Road	Length (km)
1	Black Topped	588.943
2	Metalled	803.264
3	Cement Concrete	117.002
4	Earthen Road (Unsurfaced)	3570.279
	Total	5079.488
1	Motorable	4296.303
2	Non-motorable	783.185

6.4. Buildings

As on 31.03.2023, 3535 buildings are under the ownership/possession of Kerala Forest Department. The details are given below.

Table 6.4
Details of Buildings

Sl. No.	Category	Number
I	Office Buildings	340
II	Rest house / Government Cottages / IB	64
III	Quarters	
	a) Type VI	21
	b) Type V	14
	c) Type IV	74
	d) Type III	209
	e) Type II	666
	f) Type I	339
	g) Other Quarters	197
IV	Dormitory	119
V	Community Hall	48
VI	Forest Stations & Associated Buildings	157
VII	Other Buildings	1287
	Total	3535

6.5. Vehicles

Kerala Forest Department possesses 788 numbers of different types of vehicles. Of this, 638 are in running conditions. The details as on 31.03.2023 are given below.

Table 6.5
Details of Vehicles

Sl. No.	Vehicles	Number		Total number of vehicles
		In running condition	Not in running condition	
1	Ambassador car	2	9	11
2	Ambulance	1	0	1
3	ATV	1	0	1
4	Boat	22	8	30
5	Mahindra Bolero/Mahindra Xylo/XUV/Scorpio/Invader/Marazzo/Toyota Qualis	156	18	174
6	Bus/Minibus	25	3	28
7	E Rikshaw	0	1	1
8	Ford Fiesta	1	0	1
9	Force Gurkha Explorer	21	0	21
10	Lorry / Mini Lorry	3	0	3
11	Mahindra Jeep/Thar	216	30	246
12	Mahindra Verito	2	1	3
13	Maruthi Gypsy	1	0	1
14	Maruthi SX4 / Ciaz	16	0	16
15	Motor cycle	81	74	155
16	Scorpio Getaway/Mahindra Bolero Camper	38	2	40
17	Tata Safari	3	0	3
18	Tata Indigo/Indica/ Manza/ Nexon/Tata Sumo	5	3	8
19	Tata Winger	2	0	2
20	Toyoto Innova	32	0	32
21	Yodha Pick-up	9	1	10
22	Fire Responder	1	0	1
Total		638	150	788

Vehicles purchased / disposed

The number of vehicles purchased and disposed of during the year is 24 and 39 respectively. An amount of Rs.80 lakh has been received by the disposal of old vehicle. The details are given below.

Table 6.6
Details of Vehicles purchased/disposed

SI No.	Type of Vehicle	Budget/Scheme	Number of vehicles purchased	Amount (in Rupees)
1	Mahindra Marazzo	KFDF	1	1390511
2	Tata Yodha Pick-up	KFDF	8	7486200
3	Mahindra Bolero	KFDF	5	4631655
4	Mahindra Thar	KFDF	5	6459455
5	Mahindra Scorpio	KFDF	5	6130975
Total			24	26098796

SI No.	Type of Vehicle	Number of Vehicles disposed	Amount (in lakhs)
1	Mahindra Jeep	27	80.07
2	Bullet	1	
3	Mahindra Bolero	2	
4	Mahindra Thar	2	
5	Pulsar	3	
6	Tata Indigo	1	
7	Mahindra Invader	2	
8	Swaraj Mazda	1	
Total		39	80.07

6.6. Arms & Ammunition

The Divisional Forest Officers, Range Officers, and Forest Station staff in vulnerable areas have been provided with the necessary arms and ammunition to ensure the effective protection of forests and wildlife. The details as on 31.03.2023 are given below.

Table 6.7
Details of arms and ammunitions

Sl. No.	Circle	Arms			Total	Ammunitions			Total
		Rifle	Revolver	Pump Action Gun		Cartridge	Bullet	Cartridge for PAG	
1	SC, KLM	39	11	4	54	870	287	411	1568
2	HRC, KTM	49	14	10	73	821	473	396	1690
3	CC, TSR	49	10	5	64	795	157	355	1307
4	EC, PKD	52	8	0	60	1224	217	0	1441
5	NC, KNR	31	6	4	41	973	183	259	1415
6	ABP	12	5	1	18	1015	312	50	1377
7	FD (PT)	91	19	73	183	698	610	892	2200
8	WL, PKD	72	15	11	98	1915	643	270	2828
9	I & E KTM	15	6	0	21	252	46	0	298
10	I & E KKD	16	8	0	24	241	208	0	449
11	Arippa	2	2	1	5	23	11	8	42
12	Estate Office	10	0	0	10	725	0	0	725
Total		438	104	109	651	9552	3147	2641	15340

Chapter – VII

PROMOTION OF TREES OUTSIDE FORESTS AND OUTREACH PROGRAMMES

7.1 Vriksha Samridhi Scheme

The Vriksha Samridhi scheme, jointly implemented by the Kerala Forest Department and the Local Self Government Department, during the year is taking a collaborative approach by working in conjunction with MGNREGS to raise seedlings. The maintenance of these planted seedlings will adhere to MGNREGS guidelines for 3-5 years, depending on the species. The Local Self Government Department will be responsible for raising, planting, and maintaining the seedlings for 5 years. During 2022-23 LSGD raised 37.33 lakh seedlings out of which 32.44 lakh seedling were planted. Forest department rendered only technical support for raising and planting of seedlings. District wise number of seedlings raised and distributed during 2022-23 is shown below.

Table-7.1

Details of seedlings produced and planted under Vriksha Samridhi during 2022-23

Sl. No.	Name of Division	No. of seedlings produced (in lakh)	No. of seedlings planted (in lakh)	No. of seedlings survived (in lakh)	Survival Percentage
1	Thiruvananthapuram	2.35	1.69	1.52	90.00
2	Kollam	2.58	2.06	1.53	74.56
3	Pathanamthitta	1.55	1.55	1.22	79.12
4	Alappuzha	9.17	7.00	4.96	70.87
5	Kottayam	2.41	2.35	1.53	65.23
6	Ernakulam	1.86	1.86	1.35	72.55
7	Idukki	1.07	0.98	0.78	79.25
8	Thrissur	4.43	3.97	2.56	64.49
9	Palakkad	2.76	2.76	1.88	68.07
10	Malappuram	1.89	1.48	1.08	73.32
11	Wayanad	2.04	2.04	1.56	76.55
12	Kozhikkode	2.41	2.41	1.78	73.76
13	Kannur	1.91	1.39	1.13	80.84
14	Kasargode	0.89	0.89	0.66	73.74
Total		37.33	32.44	23.55	72.61

7.2 Prime Minister's 'Van Dhan Yojana'

The Van Dhan Vikas Kendras (VDVKs) under the Van Dhan Vikas Yojana, initiated by the Ministry of Tribal Affairs, support the retail marketing and value addition of Non Wood Forest Produce (NWFP). In Wayanad District, 13 VDVks have been established under the leadership of the District Collector, for ₹195.00 lakh.

Additionally, the State Forest Development Agency (SFDA) has initiated activities for establishing 31 VDVKS under 18 Forest Development Agencies in the State, for which TRIFED has released ₹ 2.12 Crore. These VDVKS aim to empower forest-dependent communities through the value addition and marketing of NWFP. The total cost of the project is ₹ 402.25 lakhs. Out of which ₹ 201.125 lakh has been sanctioned as the first installment. An amount of ₹ 117.963 lakhs has been spent for the implementation of the scheme for the year 2022-23.

7.3 Minimum Support Price for MFP

The Minimum Support Price for Minor Forest Produce / NWFP (MSP for MFP scheme) is being funded by the Ministry of Tribal Affairs through TRIFED. The objective of the scheme is to provide financial assistance for marketing of NWFP and to develop a value chain through Minimum Support Price (MSP). MSP for MFP scheme supports the establishment of HAAT Bazaars (collection and selling unit), modernization of HAAT Bazaars and creation of storage facilities. 36 FDAs are instrumental in implementing this project in the State. Till date, 26 NWFP available in Kerala, including honey are being supported under the project. Out of ₹ 556.65 lakhs released to the SFDA, an amount of ₹ 556.65 lakhs has been utilized as on 31/08/2023. The State has requested additional funds under the scheme.

7.4 Nagar Van / Nagar Vatika under Nagar Van Yojana

Nagar Van Yojana is a flagship scheme of the Government of India to enhance the tree cover outside forests and green cover in cities for a better environment and provide, biodiversity and ecological benefits to the urban and semi-urban areas apart from improving the quality of life for the people. Participation and involvement of public, civil society groups, Residential Associations and LSGIs would be a key to this programme. The Ministry of Environment, Forest and Climate Change, Government of India has approved the project proposal submitted by the State Forest Development Agency (SFDA), Kerala for the establishment of Nagar Van / Nagar Vatika under the Nagar Van Yojana. Activities are progressing in 25 sites through 18 FDAs for the establishment of Nagar Van / Nagar Vatikas. Out of the total outlay of the project ie., ₹ 1507.54 lakhs, an amount of ₹ 1055.27 lakh was released and ₹ 199.97 lakhs has been utilized as on 31/08/2023. The works are in different stages of completion.

7.5 School Nursery Yojana

The 'School Nursery Yojana' is a pilot project of the Government of India, which aims to provide an environment for the students to understand and appreciate the significance of plants in maintaining and sustaining the natural ecosystem under the concept of 'Plant and Grow Seedlings.' The National Afforestation and Eco-development Board, National Authority – CAMPA and Ministry of Environment, Forest and Climate Change, Government of India had circulated the implementation guidelines and directed the State Forest Development Agencies to submit proposals under the 'School Nursery Yojana' 50 schools in 14 Districts have been selected for the scheme till date. GoI had approved the project for ₹47.00 lakh and released ₹ 32.90 lakh as first instalment @₹65800 per site. As on 31.08.2023, ₹28.294 lakhs has been utilized. The scheme is being monitored by the State Forest Development Agency. The state has requested for additional funds under the scheme.

7.6 Nagaravanam

The concentration of population in Kerala's urban and rural areas has led to a significant decrease in public green spaces, highlighting the urgent need for creating such spaces in urban and semi-urban landscapes. It is

crucial to integrate green spaces into developmental planning and urban projects. Establishing demonstrative green patches in urban and semi-urban areas can serve as models for replication by Local Self-Government Institutions (LSGIs) and other agencies. With this objective, the Kerala Forest Department aims to initiate the Nagaravanam (Urban Forests) project to pilot a few such forest patches in urban and semi-urban landscapes. In 2022-23, a total of 17 Nagaravanams were established as part of this initiative.

7.7 Vidyavanam

The Kerala Forest Department introduced 'Forestry Clubs' in schools in the early 1980s, and recently launched the "Mission Forestry Clubs" to revive and expand their activities. One of the proposed activities for these clubs is the establishment of miniature forests within school and college premises, known as Vidhyavanam (educational forests). These forests are designed as multi-canopy forests with indigenous species, utilizing high-density planting techniques to create dense forest quickly. They serve as a platform for educating and sensitizing students about the ecological, biological and recreational values of forests, fostering a conservationist mindset. The Social Forestry wing established 28 numbers of Vidhyavanams during the 2022-23 period.

7.8 Forestry Clubs

Organising Forestry clubs is one of the major activities of the Social Forestry wing of Forest Department. Forestry clubs were formed in schools to sensitize the children about the importance of forest conservation, to provide opportunity to children to connect with nature and to create eco sensitive citizens of the future. Presently there are 1131 forestry clubs registered throughout the state, but majority of them are inactive. During 2022-23 a total of 166 Forestry Clubs were started.

7.9. Incentivisation of Private Forestry

The government had approved a proposal to provide cash incentives to farmers, aiming to encourage them to cultivate more trees and produce timber on their private lands, as per G.O (Rt) No. 99/2012/F&WLD dated 17.02.2012. The tree species covered by this scheme include Teak, Sandal, Mahogany, Anjily, Plavu, Rosewood, Kambakam, Kumbil, Kunnavaka, and Thembavu. The scheme is intended to be implemented through individual farmers, VSS, EDC, Kudumbasree units, Self Help Groups, farmers' co-operatives, and NGOs. Eligibility for the incentive requires planting a minimum of 50 seedlings on their land. The proposed incentive amounts are as follows:

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

50% of the incentive 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 suitable cash awards for the best three performers in each of the above said slab at the end of 5th and 10th year. During 2022-23, 42 applications were selected and an amount of ₹9.53 lakh were expended.

7.10 Distribution/Planting of Seedlings during 2022-23

During the year 13.42 lakhs seedling were raised by Social Forestry wing for planting and distribution in

connection with World Environment Day, Vanamaholsavam and also for Institutional planting. District wise number of seedlings raised and distributed during 2022-23 is shown below.

Table 7.2
District-wise number of seedlings raised / distributed during 2022-23

Sl. No.	Name of District	No. of seedlings raised	No. of seedlings distributed
1	Thiruvananthapuram	84436	84420
2	Kollam	185300	185298
3	Pathanamthitta	82100	82100
4	Alappuzha	240000	240000
5	Kottayam	198750	198748
6	Ernakulam	66000	66000
7	Idukki	86276	86265
8	Thrissur	66000	66000
9	Palakkad	114000	113998
10	Malappuram	50000	50000
11	Wayanad	50000	50000
12	Kozhikkode	25000	25000
13	Kannur	25000	25000
14	Kasaragod	70000	70000
TOTAL		1342862	1342829

7.11 Protection and Conservation of Sacred Groves

The scheme is implemented by the Social Forestry wing in accordance with the guidelines issued by the Government through G.O(Rt) no. 485/16/F&WLD dated 24.12.2016. The Assistant Conservator of Forests (Social Forestry) in each district shortlists 5 applicants, who are then reviewed by a State Level Expert Committee. This committee evaluates and prioritizes applicants for financial support. Upon producing relevant ownership documents, an agreement is signed between the owner/trust of the sacred groves and the concerned Assistant Conservator of Forests. The first installment, amounting to 10% of the total project cost or a maximum of ₹ 25000/-, is released. Subsequent installments are disbursed based on the beneficiary's production of vouchers and records for completed works.

During 2022-23, 54 numbers of sacred groves have been selected for financial assistance throughout the state.

7.12 Vanamithra Award

The Vanamithra Award, included under the Biodiversity Conservation Programme, has been in vogue since 2010-11. Activities that contribute to the conservation of biodiversity values in the locality, such as the conservation of sacred groves, mangroves, medicinal plants, and agro-biodiversity, are considered for this award. Only one award is provided per district, including an incentive of ₹ 25,000/- and a certificate. Applications are invited by the concerned Assistant Conservators of Forests from individuals, educational institutions, NGOs, farmers, etc. 14 persons received Vanamithra Award during 2022-23.

7.13 Regulation of Wood Based Industries

The Kerala Forest (Regulation of Sawmills and Other Wood-based Industrial Units) Rules, 2021, which came into effect through Government Order (P).No.02/2021/F&WLD Dated.12.02.2021, established a State Level Committee chaired by the Principal Chief Conservator of Forests and Head of Forest Force. The committee oversees the granting of licenses, with Territorial Divisional Forest Officers designated as Authorized Officers and Territorial Circle Officers as Appellate Authorities for field-level monitoring. These rules allow wood-based industrial units operating before 30-10-2002 to apply for licenses within six months of the commencement of the rules. The State Level Committee instructed Authorized Officers to scrutinize applications within the prescribed time frame and take necessary action in accordance with the rules.

During 2022-23, the State Level Committee convened meetings on 26.10.2022 and 28.03.2023. The Committee gave in-principle approval for 68 applications for transfer of ownership and 15 applications for inter district transfer. Authorized officers have been instructed to take steps to issue licence. It was also decided to develop software for online submission of application for licence for Wood Based Industrial units. As per SLC meeting held on 28.03.2023, 60 applications for change of ownership and 12 applications for inter district transfer were given in-principle approval. Authorized officers had been given instructions to issue licence.

Also an amendment proposal has been submitted to the Government to increase the machine capacity of the Wood Based Industrial units under the category II, V, VII, VIII, IX and X. The State Level Committee approved the APO for the year 2023-24 prepared for carrying out various activities utilizing the interest of the One-Time Payment received in connection with issuing of licence for Wood Based units.

During the financial year 2022-23, ₹ 272.73 lakh was collected as One-Time-Payment for granting licence for saw mills and other Wood Based Industries.

Chapter – VIII

BUDGET OUTLAY & REVENUE

8.1. Budget Outlay

Plan outlay for the year 2022-23 is ₹ 281.21 crore and expenditure incurred is ₹ 174.36 crore, which is 62% of the outlay and 96.47% of the released amount. The allocation and financial achievement during the last five year is given below.

Table - 8.1

Allocation and financial achievements during the last five years (in crore)

Year	Allocation	Release	Financial Achievement	Percentage against allocation	Percentage against release
2018-19	305.94	252.91	171.69	56.12	67.89
2019-20	256.01	216.17	160.27	62.60	74.14
2020-21	269.46	249.47	247.61	91.89	99.25
2021-22	252.22	205.61	204.31	81.00	99.37
2022-23	281.21	181.84	174.36	62.00	95.89

The plan expenditure under the forestry sector during 2022-23 was ₹ 174.36 crores, which is 62% of the total plan outlay. Out of this state sector accounted an expenditure of ₹ 158.90 crores and central sector accounted an expenditure of ₹ 15.46 crores.

Table - 8.2

Sector wise outlay and expenditure (in crore) during 2021-22 and 2022-23

Schemes	2021- 22		2022-23	
	Outlay	Expenditure	Outlay	Expenditure
State Sector	201.51	185.52	226.01	158.90
Central Sector	50.71	18.79	55.20	15.46
Total (Plan)	252.22	204.31	281.21	174.36
Non Plan	549.44	565.55	573.62	524.79
GRAND TOTAL	801.66	769.86	854.83	699.15

8.2. Financial Progress under Plan and Non-plan Schemes

Plan Schemes

During 2022-23, ₹17435.822 lakh was utilized against the release ₹18184.076 lakh and the budget provision is ₹28121.30 lakh. Details of budget provision, release and expenditure of the state and the central scheme is given below.

Table 8.3

Abstract of sector-wise budget provision, release and expenditure as on 31.03.2023 (in lakh)

Sl. No.	Category	Budget Outlay	Release	Expenditure	% of Expenditure on Release amt	% of Expenditure on Revised Outlay
1	100% State Scheme	17933.00	14178.47	13430.216	94.72	74.89
2	40% State share of CSS 60:40	4567.85	2459.325	2459.325	100	53.84
3	25% State share of CSS 75:25	100.00	0	0	0.00	0.00
I	Total State Share including CSS	22600.85	16637.795	15889.541	95.50	70.31
1	60% Central Share	5220.45	1546.281	1546.281	100	29.62
2	75% Central Share	300.00	0	0	0.00	0.00
II	Total Central Share	5520.450	1546.281	1546.281	100	28.01
GRAND TOTAL (I+II)		28121.300	18184.076	17435.822	95.89	62.00

Table-8.4

Details of budget headwise allotment and expenditure as on 31.03.2023 (in lakh)

Sl. No.	Name of Scheme / Head of Account	Revised Budget Outlay			Release during the year			Amount Spent	% of achievement against Release amount	% of achievement against Revised Budget Outlay
		State Share	Central Share	Total	State Share	Central Share	Total			
A. STATE SECTOR SCHEMES										
I Management of Natural Forests										
1	Forest Protection (2406-01-101-81)	2600.000	-	2600.000	2591.990	-	2591.990	2187.576	84.40	84.14
2	Forest Protection (Survey of Forest Boundaries & Forest Protection) (4406-01-101-99)	2800.000	-	2800.000	1722.280	-	1722.280	1714.156	99.53	61.22
3	Regeneration of Denuded Forest (2406-01-101-94)	300.000	-	300.000	93.360	-	93.360	92.891	99.50	30.96
4	Non-wood Forest Produce Including Promotion of Medicinal Plants (2406-01-101-80)	200.000	-	200.000	94.820	-	94.820	93.331	98.43	46.67
	SUB TOTAL (I)	5900.000	0.000	5900.000	4502.450	0.000	4502.450	4087.954	90.79	69.29
II Improving Productivity of Plantations										
1	Hard Wood Species (4406-01-105-87) (01)	500.000	-	500.000	386.100	-	386.100	385.494	99.84	77.10
2	Industrial Raw Materials (4406-01-105-87) (02)	200.000	-	200.000	65.240	-	65.240	65.082	99.76	32.54
	SUB TOTAL (II)	700.000	0.000	700.000	451.340	0.000	451.340	450.576	99.83	64.37
III Infrastructure Development										
1	Roads (4406-01-070-99)	400.000	-	400.000	242.000	-	242.000	241.595	99.83	60.40

Sl. No.	Name of Scheme / Head of Account	Revised Budget Outlay			Release during the year			Amount Spent	% of achievement against Release amount	% of achievement against Revised Budget Outlay
		State Share	Central Share	Total	State Share	Central Share	Total			
2	Building (4406-01-070-97)	400.000	-	400.000	256.120	-	256.120	255.852	99.90	63.96
	SUB TOTAL	800.000	0.000	800.000	498.120	0.000	498.120	497.447	99.86	62.18
IV	Eco-Tourism (4406-01-800-91)	700.000	-	700.000	584.010	-	584.010	564.311	96.63	80.62
V	Human Resource Development (2406-01-003-97)	350.000	-	350.000	350.000	-	350.000	331.698	94.77	94.77
VI	Resource Planning & Research (2406-01-004-92)	150.000	-	150.000	99.540	-	99.540	99.491	99.95	66.33
VII	Forest Management Information System & GIS (2406-01-800-57)	150.000	-	150.000	93.000	-	93.000	92.958	99.96	61.97
VIII	Extension Community Forestry & Agro Forestry (2406-01-800-55)	1000.000	-	1000.000	620.000	-	620.000	617.108	99.53	61.71
IX	Eco-Tourism - Project Green Grass (2406-01-800-52)	108.000	-	108.000	66.940	-	66.940	66.876	99.90	61.92
X	Works with assistance from RIDF (4406-01-800-90)	3500.000	-	3500.000	3354.750	-	3354.750	3225.209	96.14	92.15
XI	Measures to reduce Man Animal conflict (2406-01-800-56)	2500.000	-	2500.000	2500.000	-	2500.000	2431.706	97.27	97.27
XII	Zoological Park at Puthur, Thrissur (2406-02-110-48)	600.000	-	600.000	143.820	-	143.820	51.216	35.61	8.54

Sl. No.	Name of Scheme / Head of Account	Revised Budget Outlay			Release during the year			Amount Spent	% of achievement against Release amount	% of achievement against Revised Budget Outlay
		State Share	Central Share	Total	State Share	Central Share	Total			
XIII	Elephant Rehabilitation Centre at Kappukkad near Kottoor (2406-02-110-29)	100.000	-	100.000	62.000	-	62.000	61.912	99.86	61.91
XIV	Conservation of Biodiversity (2406-02-110-68)	1000.000	-	1000.000	620.000	-	620.000	619.656	99.94	61.97
XV	Eco Development Programme (2406-02-110-56)	375.000	-	375.000	232.500	-	232.500	232.098	99.83	61.89
	TOTAL (A)	17933.000	0.000	17933.000	14178.470	0.000	14178.470	13430.216	94.72	74.89
B. SCHEMES HAVING 60:40 SHARES BETWEEN CENTRAL AND STATE										
1 Integrated Development of Wildlife Habitats										
i Management of Wildlife Sanctuaries										
1	Neyyar Wildlife Sanctuary (2406-02-110-28) (01)	-	55.500	55.500		9.430	9.430	9.430	100.00	16.99
	Neyyar Wildlife Sanctuary (2406-02-110-28) (02)	37.000	-	37.000	22.940		22.940	22.940	100.00	62.00
	SUB TOTAL	37.000	55.500	92.500	22.940	9.430	32.370	32.370	100.00	34.99
2	Wayanad Wildlife Sanctuary (2406-02-110-27) (01)	-	107.160	107.160		15.420	15.420	15.420	100.00	14.39
	Wayanad Wildlife Sanctuary (2406-02-110-27) (02)	72.000	-	72.000	44.640		44.640	44.640	100.00	62.00
	SUB TOTAL	72.000	107.160	179.160	44.640	15.420	60.060	60.060	100.00	33.52

Sl. No.	Name of Scheme / Head of Account	Revised Budget Outlay			Release during the year			Amount Spent	% of achievement against Release amount	% of achievement against Revised Budget Outlay
		State Share	Central Share	Total	State Share	Central Share	Total			
3	Idukki Wildlife Sanctuary (2406-02-110-26) (01)	-	60.000	60.000	0.000	10.370	10.370	10.370	100.00	17.28
	Idukki Wildlife Sanctuary (2406-02-110-26) (02)	40.000	-	40.000	20.800	0.000	20.800	20.800	100.00	52.00
	SUB TOTAL	40.000	60.000	100.000	20.800	10.370	31.170	31.170	100.00	31.17
4	Peechi, Vazhani (2406-02-110-25) (01)	-	60.000	60.000	0.000	11.990	11.990	11.990	100.00	19.98
	Peechi, Vazhani (2406-02-110-25) (02)	40.000	-	40.000	20.800	0.000	20.800	20.800	100.00	52.00
	SUB TOTAL	40.000	60.000	100.000	20.800	11.990	32.790	32.790	100.00	32.79
5	Peppara Wildlife Sanctuary (2406-02-110-24) (01)	-	48.000	48.000	0.000	10.280	10.280	10.280	100.00	21.42
	Peppara Wildlife Sanctuary (2406-02-110-24) (02)	32.000	-	32.000	19.840	0.000	19.840	19.840	100.00	62.00
	SUB TOTAL	32.000	48.000	80.000	19.840	10.280	30.120	30.120	100.00	37.65
6	Shendurney Wildlife Sanctuary (2406-02-110-23) (01)	-	60.000	60.000	0.000	10.880	10.880	10.880	100.00	18.13
	Shendurney Wildlife Sanctuary (2406-02-110-23) (02)	40.000	-	40.000	20.800	0.000	20.800	20.800	100.00	52.00
	SUB TOTAL	40.000	60.000	100.000	20.800	10.880	31.680	31.680	100.00	31.68

Sl. No.	Name of Scheme / Head of Account	Revised Budget Outlay			Release during the year			Amount Spent	% of achievement against Release amount	% of achievement against Revised Budget Outlay
		State Share	Central Share	Total	State Share	Central Share	Total			
7	Chimmony Wildlife Sanctuary (2406-02-110-22) (01)	-	52.500	52.500	0.000	10.880	10.880	10.880	100.00	20.72
	Chimmony Wildlife Sanctuary (2406-02-110-22) (02)	35.000	-	35.000	21.700	0.000	21.700	21.700	100.00	62.00
	SUB TOTAL	35.000	52.500	87.500	21.700	10.880	32.580	32.580	100.00	37.23
8	Aralam Wildlife Sanctuary (2406-02-110-21) (01)	-	52.500	52.500	0.000	10.930	10.930	10.930	100.00	20.82
	Aralam Wildlife Sanctuary (2406-02-110-21) (02)	35.000	-	35.000	21.700	0.000	21.700	21.700	100.00	62.00
	SUB TOTAL	35.000	52.500	87.500	21.700	10.930	32.630	32.630	100.00	37.29
9	Chinnar Wildlife Sanctuary (2406-02-110-20) (01)	-	39.000	39.000	0.000	9.680	9.680	9.680	100.00	24.82
	Chinnar Wildlife Sanctuary (2406-02-110-20) (02)	26.000	-	26.000	16.120	0.000	16.120	16.120	100.00	62.00
	SUB TOTAL	26.000	39.000	65.000	16.120	9.680	25.800	25.800	100.00	39.69
10	Thattekkad Birds Sanctuary (2406-02-110-19) (01)	-	34.500	34.500	0.000	7.650	7.650	7.650	100.00	22.17
	Thattekkad Birds Sanctuary (2406-02-110-19) (02)	23.000	-	23.000	14.260	0.000	14.260	14.260	100.00	62.00
	SUB TOTAL	23.000	34.500	57.500	14.260	7.650	21.910	21.910	100.00	38.10

Sl. No.	Name of Scheme / Head of Account	Revised Budget Outlay			Release during the year			Amount Spent	% of achievement against Release amount	% of achievement against Revised Budget Outlay
		State Share	Central Share	Total	State Share	Central Share	Total			
11	Mangalavanam Birds Sanctuary (2406-02-110-18) (01)	-	12.000	12.000	0.000	3.750	3.750	3.750	100.00	31.25
	Mangalavanam Birds Sanctuary (2406-02-110-18) (02)	8.000	-	8.000	4.960	0.000	4.960	4.960	100.00	62.00
	SUB TOTAL	8.000	12.000	20.000	4.960	3.750	8.710	8.710	100.00	43.55
12	Kurinjimala Sanctuary (2406-02-110-17) (01)	-	18.000	18.000	0.000	3.490	3.490	3.490	100.00	19.39
	Kurinjimala Sanctuary (2406-02-110-17) (02)	12.000	-	12.000	7.440	0.000	7.440	7.440	100.00	62.00
	SUB TOTAL	12.000	18.000	30.000	7.440	3.490	10.930	10.930	100.00	36.43
13	Choolannur Peacock Sanctuary (2406-02-110-16) (01)	-	15.000	15.000	0.000	3.050	3.050	3.050	100.00	20.33
	Choolannur Peacock Sanctuary (2406-02-110-16) (02)	10.000	-	10.000	6.200	0.000	6.200	6.200	100.00	62.00
	SUB TOTAL	10.000	15.000	25.000	6.200	3.050	9.250	9.250	100.00	37.00
14	Malabar Sanctuary (2406-02-110-15) (01)	-	25.500	25.500	0.000	6.750	6.750	6.750	100.00	26.47
	Malabar Sanctuary (2406-02-110-15) (02)	17.000	-	17.000	10.540	0.000	10.540	10.540	100.00	62.00
	SUB TOTAL	17.000	25.500	42.500	10.540	6.750	17.290	17.290	100.00	40.68

Sl. No.	Name of Scheme / Head of Account	Revised Budget Outlay			Release during the year			Amount Spent	% of achievement against Release amount	% of achievement against Revised Budget Outlay
		State Share	Central Share	Total	State Share	Central Share	Total			
15	Kottiyoor Wildlife Sanctuary (2406-02-110-14) (01)	-	28.500	28.500	0.000	6.570	6.570	6.570	100.00	23.05
	Kottiyoor Wildlife Sanctuary (2406-02-110-14) (02)	19.000	-	19.000	11.780	0.000	11.780	11.780	100.00	62.00
	SUB TOTAL	19.000	28.500	47.500	11.780	6.570	18.350	18.350	100.00	38.63
16	Karimpuzha Wildlife Sanctuary (2406-02-110-13) (01)	-	33.000	33.000	0.000	8.810	8.810	8.810	100.00	26.70
	Karimpuzha Wildlife Sanctuary (2406-02-110-13) (02)	22.000	-	22.000	13.640	0.000	13.640	13.640	100.00	62.00
	SUB TOTAL	22.000	33.000	55.000	13.640	8.810	22.450	22.450	100.00	40.82
	Sub Total of WL Sanctuaries	468.000	701.160	1169.160	278.160	139.930	418.090	418.090	100.00	35.76
ii Management of National Parks										
1	Eravikulam National Park (2406-02-110-79) (01)	-	117.160	117.160	0.000	11.200	11.200	11.200	100.00	9.56
	Eravikulam National Park (2406-02-110-79) (02)	75.310	-	75.310	29.860	0.000	29.860	29.860	100.00	39.65
	SUB TOTAL	75.310	117.160	192.470	29.860	11.200	41.060	41.060	100.00	21.33
2	Silent Valley National Park (2406-02-110-78) (01)	-	103.160	103.160	0.000	13.130	13.130	13.130	100.00	12.73

Sl. No.	Name of Scheme / Head of Account	Revised Budget Outlay			Release during the year			Amount Spent	% of achievement against Release amount	% of achievement against Revised Budget Outlay
		State Share	Central Share	Total	State Share	Central Share	Total			
	Silent Valley National Park (2406-02-110-78) (02)	67.000	-	67.000	35.020	0.000	35.020	35.020	100.00	52.27
	SUB TOTAL	67.000	103.160	170.160	35.020	13.130	48.150	48.150	100.00	28.30
3	Anamudi National Park (2406-02-110-77) (01)	-	28.000	28.000	0.000	6.350	6.350	6.350	100.00	22.68
	Anamudi National Park (2406-02-110-77) (02)	20.000	-	20.000	12.400	0.000	12.400	12.400	100.00	62.00
	SUB TOTAL	20.000	28.000	48.000	12.400	6.350	18.750	18.750	100.00	39.06
4	Mathikettanmala National Park (2406-02-110-76) (01)	-	28.000	28.000	0.000	6.320	6.320	6.320	100.00	22.57
	Mathikettanmala National Park (2406-02-110-76) (02)	20.000	-	20.000	12.400	0.000	12.400	12.400	100.00	62.00
	SUB TOTAL	20.000	28.000	48.000	12.400	6.320	18.720	18.720	100.00	39.00
5	Pampadumshola National Park (2406-02-110-75) (01)	-	28.000	28.000	0.000	6.150	6.150	6.150	100.00	21.96
	Pampadumshola National Park (2406-02-110-75) (02)	20.000		20.000	12.400	0.000	12.400	12.400	100.00	62.00
	SUB TOTAL	20.000	28.000	48.000	12.400	6.150	18.550	18.550	100.00	38.65
	Sub Total of National Parks	202.310	304.320	506.630	102.080	43.150	145.230	145.230	100.00	28.67

Sl. No.	Name of Scheme / Head of Account	Revised Budget Outlay			Release during the year			Amount Spent	% of achievement against Release amount	% of achievement against Revised Budget Outlay
		State Share	Central Share	Total	State Share	Central Share	Total			
iii Management of Community Reserve										
1	Integrated Development of Wild Life Habitats - Management of Community Reserve (60:40 between Centre and State) (2406-02-110-72) (01) Kadalundi Reserve	-	18.000	18.000	0.000	2.570	2.570	2.570	100.00	14.28
	Integrated Development of Wild Life Habitats - Management of Community Reserve (60:40 between Centre and State) (2406-02-110-72) (02) Kadalundi Reserve	12.000	-	12.000	7.440	0.000	7.440	7.440	100.00	62.00
	SUB TOTAL	12.000	18.000	30.000	7.440	2.570	10.010	10.010	100.00	33.37
iv Project Tiger (60:40 between Central and State)										
1	Periyar Tiger Reserve (2406-02-110-74) (01)	-	570.000	570.000	0.000	324.550	324.550	324.550	100.00	56.94
	Periyar Tiger Reserve (2406-02-110-74) (02)	380.000	-	380.000	226.320	0.000	226.320	226.320	100.00	59.56
	SUB TOTAL	380.000	570.000	950.000	226.320	324.550	550.870	550.870	100.00	57.99
2	Parambikulam Tiger Reserve (2406-02-110-73) (01)	-	435.000	435.000	0.000	240.715	240.715	240.715	100.00	55.34

Sl. No.	Name of Scheme / Head of Account	Revised Budget Outlay			Release during the year			Amount Spent	% of achievement against Release amount	% of achievement against Revised Budget Outlay
		State Share	Central Share	Total	State Share	Central Share	Total			
	Parambikulam Tiger Reserve (2406-02-110-73) (02)	290.000	-	290.000	227.310	0.000	227.310	227.310	100.00	78.38
	SUBTOTAL	290.000	435.000	725.000	227.310	240.715	468.025	468.025	100.00	64.56
	Sub Total of Project Tiger	670.000	1005.000	1675.000	453.630	565.265	1018.895	1018.895	100.00	60.83
v	Project Elephant (2406-02-110-35)(1)	-	780.000	780.000	0.000	319.331	319.331	319.331	100.00	40.94
	Project Elephant (2406-02-110-35)(2)	520.000	-	520.000	212.895	0.000	212.895	212.895	100.00	40.94
	Subtotal of Project Elephant	520.000	780.000	1300.000	212.895	319.331	532.226	532.226	100.00	40.94
vi Recovery Programme for Nilgiri Tahr										
1	Recovery Programme for Nilgiri Tahr (2406-02-110-12(01) #	-	27.940	27.940	-	27.940	27.940	27.940	100.00	100.00
	Recovery Programme for Nilgiri Tahr (2406-02-110-12(02)	18.630	-	18.630	18.630	-	18.630	18.630	100.00	100.00
	SUB TOTAL	18.630	27.940	46.570	18.630	27.940	46.570	46.570	100.000	100.00
1	Recovery Programme for saving critically endangered Species(2406-02-110-11(01) #	-	10.580	10.580	-	10.580	10.580	10.580	100.00	100.00

Sl. No.	Name of Scheme / Head of Account	Revised Budget Outlay			Release during the year			Amount Spent	% of achievement against Release amount	% of achievement against Revised Budget Outlay
		State Share	Central Share	Total	State Share	Central Share	Total			
	Recovery Programme for saving critically endangered Species(2406-02-110-11(02) #	7.060	-	7.060	7.060	-	7.060	7.060	100.00	100.00
	SUB TOTAL	7.060	10.580	17.640	7.060	10.580	17.640	17.640	100.00	100.00
2	National Mission for Green India									
i	National Afforestation Programme - National Mission for Green India (60:40 between Centre and State) (2406-01-102-86) (1)	-	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00
	National Afforestation Programme - National Mission for Green India (60:40 between Centre and State) (2406-01-102-86) (2)	967120	-	967120	967120	0.000	967120	967120	100.00	100.00
	National Afforestation Programme - National Mission for Green India (2406-01-789-99)	99.000	-	99.000	99.000	-	99.000	99.000	100.00	100.00
	National Afforestation Programme - National Mission for Green India (2406-01-796-99)	21.760	-	21.760	21.760	-	21.760	21.760	100.00	100.00
	SUB TOTAL	1087.880	0.000	1087.880	1087.880	0.000	1087.880	1087.880	100.00	100.00

Sl. No.	Name of Scheme / Head of Account	Revised Budget Outlay			Release during the year			Amount Spent	% of achievement against Release amount	% of achievement against Revised Budget Outlay
		State Share	Central Share	Total	State Share	Central Share	Total			
3	FPMS CSS 60%									
i	Forest Fire Prevention & Manangement Scheme (2406-01-800-53) (1) (FPMS)	-	360.000	360.000	0.000	171.215	171.215	171.215	100.00	47.56
	Forest Fire Prevention & Manangement Scheme (2406-01-800-53) (2) (FPMS)	240.000	-	240.000	114.020	0.000	114.020	114.020	100.00	47.51
	SUB TOTAL	240.000	360.000	600.000	114.020	171.215	285.235	285.235	100.00	47.54
ii	Forest Fire Prevention & Manangement Scheme TSP (2406-01-796-98) (01) **	-	121.450	121.450	-	121.450	121.450	121.450	100.00	100.00
	Forest Fire Prevention & Manangement Scheme TSP (2406-01-796-98) (02) **	80.970	-	80.970	80.970	-	80.970	80.970	100.00	100.00
	SUB TOTAL	80.970	121.450	202.420	80.970	121.450	202.420	202.420	100.00	100.00
4 Conservation of Natural Resources & Ecosystems										
i	Nilgiri Biosphere Reserve (2406-02-110-34) (1)	-	270.000	270.000	0.000	0.000	0.000	0.000	0.00	0.00
	Nilgiri Biosphere Reserve (2406-02-110-34) (2)	180.000	-	180.000	0.000	0.000	0.000	0.000	0.00	0.00
	SUB TOTAL	180.000	270.000	450.000	0.000	0.000	0.000	0.000	0.00	0.00

Sl. No.	Name of Scheme / Head of Account	Revised Budget Outlay			Release during the year			Amount Spent	% of achievement against Release amount	% of achievement against Revised Budget Outlay
		State Share	Central Share	Total	State Share	Central Share	Total			
ii	Agasthyamala Biosphere Reserve (2406-02-110-33) (1)	-	180.000	180.000	0.000	53.540	53.540	53.540	100.00	29.74
	Agasthyamala Biosphere Reserve (2406-02-110-33) (2)	120.000	-	120.000	35.690	0.000	35.690	35.690	100.00	29.74
	SUB TOTAL	120.000	180.000	300.000	35.690	53.540	89.230	89.230	100.00	29.74
iii	Wetland Conservation (2406-02-110-32) (1)	-	242.000	242.000	0.000	0.000	0.000	0.000	0.00	0.00
	Wetland Conservation (2406-02-110-32) (2)	146.450	-	146.450	0.000	0.000	0.000	0.000	0.00	0.00
	SUB TOTAL	146.450	242.000	388.450	0.000	0.000	0.000	0.000	0.00	0.00
iv	National costal mission (conservation and management of mangroves in vembanad and kunnar region) (2406-02-110-10) (01)		0.000	0.000		0.000	0.000	0.000	0.00	0.00
	National costal mission (conservation and management of mangroves in vembanad and kunnar region) (2406-02-110-10) (02)	14.550		14.550	0.000		0.000	0.000	0.00	0.00
	SUB TOTAL	14.550	0.000	14.550	0.000	0.000	0.000	0.000	0.00	0.00

Sl. No.	Name of Scheme / Head of Account	Revised Budget Outlay			Release during the year			Amount Spent	% of achievement against Release amount	% of achievement against Revised Budget Outlay
		State Share	Central Share	Total	State Share	Central Share	Total			
v	Integrated Development of Wildlife Habitats to Wayanad Wildlife Sanctuary for Voluntary Relocation of Settlements from Protected Areas (2406-02-110-31) (1)	-	600.000	600.000	0.000	0.000	0.000	0.000	0.00	0.00
	Integrated Development of Wildlife Habitats to Wayanad Wildlife Sanctuary for Voluntary Relocation of Settlements from Protected Areas (2406-02-110-31) (2)	400.000	-	400.000	0.000	0.000	0.000	0.000	0.00	0.00
	SUB TOTAL	400.000	600.000	1000.000	0.000	0.000	0.000	0.000	0.00	0.00
vi	Integrated Development of Wildlife Habitats - Protection of wildlife outside Protected Areas. (2406-02-110-52) (1)	-	600.00	600.000	0.000	91.310	91.310	91.310	100.00	15.22
	Integrated Development of Wildlife Habitats - Protection of wildlife outside Protected Areas. (2406-02-110-52) (2)	400.000	-	400.000	60.870	0.000	60.870	60.870	100.00	15.22
	SUB TOTAL	400.000	600.000	1000.000	60.870	91.310	152.180	152.180	100.00	15.22
	Subtotal of Nature Resources & Ecosystems	1261.000	1892.000	3153.000	96.560	144.850	241.410	241.410	100.00	7.66

Sl. No.	Name of Scheme / Head of Account	Revised Budget Outlay			Release during the year			Amount Spent	% of achievement against Release amount	% of achievement against Revised Budget Outlay
		State Share	Central Share	Total	State Share	Central Share	Total			
	TOTAL (B)	4567.850	5220.450	9788.300	2459.325	1546.281	4005.606	4005.606	100.00	40.92
C. SCHEMES HAVING 75:25 SHARES BETWEEN CENTRAL AND STATE										
1	Minimum Support Price For Minor Forest Produce 2406-01-105-89 (1)	-	300.000	300.000	0.000	0.000	0.000	0.000	0.00	0.00
	Minimum Support Price For Minor Forest Produce 2406-01-105-89 (2)	100.000	-	100.000	0.000	0.000	0.000	0.000	0.00	0.00
	TOTAL (C)	100.000	300.000	400.000	0.000	0.000	0.000	0.000	0.00	0.00
	GRAND TOTAL (A+B+C)	22600.850	5520.450	28121.300	16637.795	1546.281	18184.076	17435.822	95.89	62.00

Non-Plan Schemes

An expenditure of ₹52478.923 lakhs was incurred against the budget provision of ₹57361.77 lakhs during 2022-23. Details on budget head-wise allotment and expenditure are shown below.

Table-8.5

Financial progress report for the year 2022-23 (Non-plan schemes)

Sl No.	Scheme & Head of Account	2022-23 (₹ in Lakhs)	
		Outlay	Expenditure
I	Direction & Administration (2406-01-001)		
1	Office of the Chief Conservator of Forests (2406-01-001-99)	2538.06	2370.419
2	Office of the Conservator of Forests (2406-01-001-98) Circle Office	984.140	927.094
3	Working Plan & Research Circle (2406-01-001-97)	91.87	87.842
4	Vigilance & Evaluation Wing (2406-01-001-96)	2143.300	1964.648
5	District Offices (2406-01-001-95)	17133.200	15498.658
6	Statistical Cell (2406-01-001-94)	8.630	7.902
7	Timber Sales Division (2406-01-001-93)	891.680	805.528
8	Forest Extension and Publicity (2406-01-001-91)	87.070	62.772
9	Intensification Forest Management (2406-01-001-90)	306.22	309.628
SUB TOTAL		24184.170	22034.491
II	Education & Training (2406-01-003)		
1	Education and Training (2406-01-003-99)	602.670	420.947
SUB TOTAL		602.670	420.947
III	Forest Research (2406-01-004)		
1	Forest Research & Training (2406-01-004-99)	77.580	81.013
2	Payment out of the KFDF for Forest Research (2406-01-004-95)	1464.280	1112.849
SUB TOTAL		1541.860	1193.862
IV	Survey and Utilization of Forest Resources (2406-01-005)		
1	Forest Resources Survey (2406-01-005-99)	62.580	52.694
2	Survey of Forest Boundaries (2406-01-005-98)	286.410	282.213
SUB TOTAL		348.990	334.907
V	Statistics (2406-01-013)		
1	Planning & Statistical Cell (2406-01-013-99)	257.410	209.467
SUB TOTAL		257.410	209.467
VI	Transportation & Buildings (2406-01-070)		
1	Roads & Bridges (2406-01-070-99)	40.500	24.648
2	Buildings (2406-01-070-98)	77.950	47.982
SUB TOTAL		118.450	72.630

SI No.	Scheme & Head of Account	2022-23 (₹ in Lakhs)	
		Outlay	Expenditure
VII	Forest Conservation Development & Regeneration (2406-01-101)		
1	Forest Consolidation & Acquisition of Private Forests (2406-01-101-99)	5556.340	5090.397
2	Working Plans, Evaluation Survey, etc. (2406-01-101-98)	1.900	1.081
3	Silvicultural Works (2406-01-101-97)	8.000	4.960
4	Fire Protection Work (2406-01-101-96)	24.700	11.055
5	Compensatory Afforestation (2406-01-101-92)	5.000	1.619
6	Amount met out of KFDF for Planting Softwood Trees (2406-01-101-91)	2196.430	2169.00
7	Transfer to the fund for TEAK under the Kerala Forest Revolving Fund for Teak and Pulpwood Rules,1999 (2406-01-101-90)-Teak	685.710	597.634
8	Transfer to the fund for PULPWOOD under the Kerala Forest Revolving Fund for Teak and Pulpwood Rules,1999 (2406-01-101-89) pulpwood	22.040	13.347
9	Forest Protection (2406-01-101-81)	6084.190	5662.204
SUB TOTAL		14584.310	13551.297
VIII	Social & Farm Forestry (2406-01-102)		
1	Plantation of fast growing species (2406-01-102-99)	399.050	395.321
2	Ecology Development World Bank Assisted Social Forestry (2406-01-102-98)	3385.050	3110.809
3	Ecology Development World Bank Assisted Social Forestry, Phase-II (2406-01-102-92)	134.450	125.721
SUB TOTAL		3918.550	3631.851
IX	Forest Produce (2406-01-105)		
1	Timber & Other Produce removed by Govt. Agencies (2406-01-105-99)	3750.000	3696.478
2	Firewood & Charcoal removed by Govt. Agencies (2406-01-105-98)	1.600	0.380
3	Other Produce removed by Govt. Agencies (2406-01-105-97)	0.080	0.000
4	Timber & Other Produce removed by Consumer (2406-01-105-96)	0.070	0.000
5	Confiscated Forest Produce, Drift wood, etc. (2406-01-105-95)	0.500	0.298
6	Livestock (2406-01-105-94)	773.190	726.376
7	Miscellaneous Advance Suspense (2406-01-105-93)	0.010	0.000

SI No.	Scheme & Head of Account	2022-23 (₹ in Lakhs)	
		Outlay	Expenditure
8	Teakwood (2406-01-105-92)	1573.690	1454.576
9	Softwood (2406-01-105-91)	120.780	113.382
SUB TOTAL		6219.920	5991.490
X Other Expenditure (2406-01-800)			
1	Relief to Victims Affected by the Attack of Wild Animals (2406-01-800-92)	223.000	222.484
2	Rewards to Informants of forest offences (2406-01-800-91)	0.450	0.279
SUB TOTAL		223.450	222.763
XI Wildlife Preservation (2406-02-110)			
1	Wildlife Preservation (2406-02-110-99)	3147.730	2831.905
2	Periyar Tiger Reserve Project (2406-02-110-93)	346.450	328.273
3	Eco-Development Global Environmental Facilities (2406-02-110-69)	109.710	98.389
4	Conservation of Bio-diversity (2406-02-110-68)	746.800	632.309
SUB TOTAL		4350.690	3890.876
XII LAC ADS (4406-01-101)			
1	Projects under Legislative Assembly Constituency Asset Development Scheme (4406-01-101-97)	81.150	20.068
SUB TOTAL		81.150	20.068
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 Afforestation) (2406-04-103-99)			
1	XIV State Authority (Compensatory Afforestation) (2406-04-103-99)	850.010	824.134
SUB TOTAL		850.010	824.134
XV Compensation for LAR case (2406-01-800-84)			
1	Compensation for LAR case (2406-01-800-84)	80.130	80.128
SUB TOTAL		80.130	80.128
GRAND TOTAL		57361.770	52478.911

8.3. Revenue

The Forest Department significantly contributes to the non-tax revenue of the State, primarily through the sale of timber and other forest produce. In 2022-23, the revenue from the forestry sector amounted to ₹290.61 crores, with a major portion coming from timber sales. Specifically, revenue from timber sales alone totaled ₹261.97 crores, accounting for 90.15% of the total forest revenue.

Table-8.6

Revenue from timber and other forest produce during the last three years

SI No.	Head of Account	2020-21 Rs in lakhs	2021-22 Rs in lakhs	2022-23 Rs in lakhs
0406-01-101 Sale of Timber and other Forest produce.				
1	99 Timber	21508.00	17932.50	26197.48
2	98 Firewood and Charcoal	194.47	85.85	70.60
3	97 Receipts from sale of forest produce coming under the Kerala private forest (Vesting and Assignment) Act.	0.00	0.02	-1.91
4	96 Receipts from Forest Development Tax	1160.72	1027.07	1356.15
5	95 Receipts under Kerala Forest Produce	17.60	12.79	66.19
6	94 Other Items	115.79	99.49	93.39
TOTAL (101)		22996.58	19157.72	27781.90
0406-01-800 Other Receipts				
1	99 Interests on Arrear of Forest Revenue	50.29	61.71	84.53
2	98 Receipts from Wildlife Department	60.01	87.18	233.09
3	97 Scheme for Provision of House Sites and houses to Landless Worker in Rural Area - Free Supply of Timber	0.00	0.00	0.00
4	96 Revenue Realised from the KFDC on the sale proceeds of residual growth	0.06	0.04	0.3
5	95 Other Items	503.35	660.22	856.70
6	94 Livestock	0.11	0.06	0.33
7	91 Receipts on account of Lapsed and Confiscated Deposits	1.02	0.30	3.87
8	90 Forest Land Lease rent	49.18	88.61	96.11
9	89, Receipts from Aranyam Masika			4.05
TOTAL (800)		664.02	898.12	1278.71
GRAND TOTAL		23660.60	20055.84	29060.61

Chapter - IX

SPECIAL SCHEMES

9.1 Navakiranam - Voluntary relocation programme of the state government

Navakiranam project of the Kerala Forest Department is one of the prime projects of the state government under the Rebuild Kerala Initiative and KIIFB launched on November 14, 2019. Navakiranam empowers voluntary relocation of non-tribal families residing within forests. The project addresses key challenges such as human-wildlife conflict, natural disasters, and limited access to amenities.

Name of Scheme	Year	Amount (Rs. In Crore)	Family units relocated (Nos)	Area involved (Ha)
RKDP	2022-23	28.05	187	18.9073
KIIFB	2022-23	14.40	96	22.9922

9.2 Voluntary Relocation programme of Government of India

The voluntary relocation process in Wayanad Wildlife Sanctuary began in 2012, with approval from the MoEF & CC for a project cost of ₹80 crore to relocate 800 eligible families from 14 settlements within the sanctuary. The Government of India initiated funding for the project in 2011-12, providing ₹10 lakh as compensation for each eligible family. So far, 382 eligible families from 9 settlements have been relocated, receiving ₹10 lakh each (376 families) and ₹6 lakh each (6 families), utilizing a total of ₹37.96 crore. During the financial year ₹922.5 lakh has been transferred to the District Collector's account, including central share of ₹553.5 lakhs and state share of ₹369 lakhs. The relocation process is currently ongoing in one settlement.

Chapter – X

OTHER MAJOR EVENTS AND ACHIEVEMENTS

10.1. National Forest Sports Meet

The Kerala Forest Department participated in the 26th National Forest Sports Meet, held from March 10 to 14, 2023, in Panchkula, Haryana. Kerala's athletes showcased outstanding performance, securing 34 gold, 49 silver, and 34 bronze medals, totaling 117 medals with 379 points. This remarkable achievement earned Kerala the third position overall, making it the second runner-up in the competition.



10.2. Awards for Meritorious Service

In 2022, 12 officers from various cadres within the department were honored with the Chief Minister's Forest Medal for their outstanding services as follows.

Sl No	Name	Designation
1	Sri. K.R. Krishnadas	Range Forest Officer
2	Sri. Prakash Kumar. V.	Section Forest Officer
3	Smt. Prabha. B	Section Forest Officer
4	Sri. R. Manikandan	Beat Forest Officer
5	Smt. Prasanthi G.S.	Beat Forest Officer
6	Smt. Kavitha P.R.	Beat Forest Officer
7	Sri. Ansar. M	Beat Forest Officer
8	Sri. A.R. Sinu	Beat Forest Officer
9	Sri. Binoy. G.	Forest Watcher (SR)
10	Sri. Shekhar. K.R.	Forest Watcher
11	Sri. Shereef . M.	Forest Watcher
12	Sri. Shivarajan	Forest Watcher

10.3. Major achievements during 2022-23

1. File Disposal Drive 2022

Based on the observation that COVID 19 pandemic had affected the functioning of Government offices to a large extent and effective intervention with the full co-operation of Service Organisations and employees is necessary to resolve this issue, the Government has decided to conduct a File Disposal Drive for the period from 15th June 2022 to 30th September 2022 and issued order vide G.O (Ms) No. 11/2022/P&ARD dated 04.06.2022 accordingly.

In Kerala Forest Department, the total number of files were taken into account by classifying the files into 10 categories year wise as on 15.6.2022 and reviewed the progress in six rounds. As on 31.10.2022, a total number of 125929 files were disposed out of the total number of 296808 files thus achieving a success of 42.4 % disposal of total files in the department.

The File Disposal Drive programme was implemented in a people-friendly and efficient manner. Accordingly, the Forest Department had decided to continue the programme at the department level and the "File Disposal Drive – Phase II" has been started in the department from January 1, 2023 onwards.

2. Special recruitment of 500 people belonging to Scheduled Tribes of Forest Dependent Communities

With the aim of improving the quality of life of the Scheduled Tribes in the State and for ensuring the efficient management and protection of forest by leveraging their experience of living in harmony with the forest, the Government of Kerala have decided to appoint 500 people from the forest dependent community as Beat Forest Officer through Special Recruitment and as per G.O (Ms) No. 33/2021/F&WLD dated 12.2.2021 necessary orders were issued in this regard. Subsequently, the Government vide G.O (Ms) No. 8/2022/F&WLD dated 10.2.2022 had modified the guidelines regarding the appointment of Beat Forest Officers and accordingly the Kerala Public Service Commission had issued Gazette Notifications dated 16.4.2022 for the appointment of Beat Forest Officers as Category No. 92/2022 and 93/2022. The process of recruitment of Beat Forest Officers was completed by the KPSC during 2023. Based on the same, the Kerala Forest Department had issued appointment order to the selected candidates and the same was handed over to them on 21.3.2023 (International Day of Forests) in a function presided over by the Hon'ble Chief Minister of Kerala. The Beat Forest Officers who have got appointment are presently undergoing 9 months training programme in Kerala Police Academy, Thrissur.





3. Online General Transfer

Based on the orders issued by Government vide G. O (Rt) No. 155/2021/P&ARD dated 21-10-2021 for processing the general transfer of Government employees through online, the Kerala Forest Department decided to implement the same during 2023 in pursuant with the norms for general transfer as mentioned in G.O (P) No. 3/2017/P&ARD dated 25.2.2017. Accordingly, the general transfer orders in respect of 5 posts in the department were processed through online.

The process of online transfer of the posts for which general transfer is applicable for the year 2024 is presently in its final stage.

4. Implementation of Aadhaar – Spark Based Biometric Attendance System (AEBAS) in Kerala Forest Department

To ensure efficient attendance monitoring, the Kerala Forest Department introduced the Aadhaar-Spark Based Biometric Attendance System (AEBAS) on August 1, 2023. Biometric punching machines have been installed across all offices from the Headquarters to Division levels. Aadhaar-linked punching cards have been issued to all ministerial staff, including last-grade employees. The AEBAS system has been successfully implemented and is functioning smoothly across the department.

5. Implementation of e-Office

The Kerala Forest Department has fully integrated e-Office systems to enhance efficiency and transparency in administrative operations. The e-Office system has been implemented across Forest Headquarters, 13 Circle Offices, and 77 Division Offices. Necessary infrastructure has been set up, and user credentials have been created for seamless operations. Regular training sessions have ensured the effective functioning of the system.

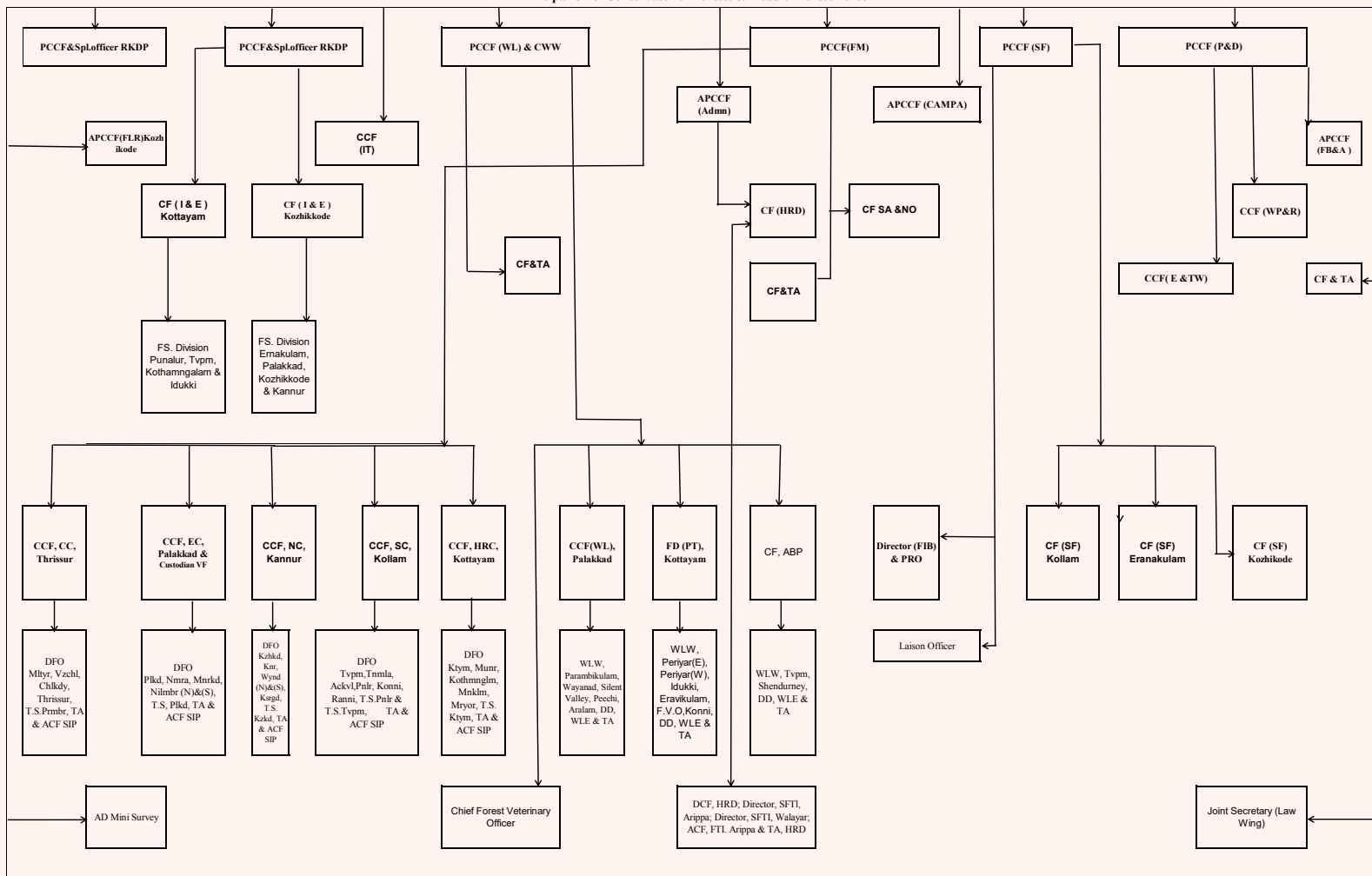
6. Van system Software application

The Van System Software Application, developed under the Forest-PLUS 2.0 project, is a state-of-the-art digital tool designed for forest inventory and ecosystem services data collection and analysis. The application comprises a mobile app and a web interface, enabling efficient data collection and analysis. It has significantly reduced the time required for Working Plan preparation-a process that previously took over three years can now be completed in just one year using this advanced tool.



KERALA FOREST DEPARTMENT **ORGANISATIONAL CHART 2022-23**

Principal Chief Conservator of Forests & Head of Forest Force



ABBREVIATIONS

• ABP	Agasthyavanam Biological Park
• APO	Annual Plan of Operation
• BS	Bird Sanctuaries
• CAMPA	Compensatory Afforestation Fund Management and Planning Authority
• CASFOS	Central Academy for State Forest Service
• CC	Central Circle
• CHR	Cardamom Hill Reserves
• CSS	Centralized Sponsored Scheme
• DFL	Degraded Forest Land
• EAP	Externally Aided Project
• EC	Eastern Circle
• EDC	Eco-Development Committies
• EEI	Education Extention Institute
• EFL	Ecologically Fragile Land
• EVNP	Eravikulam National Park
• FCA	Forest Conservation Act
• FD(PT)	Field Director (Project Tiger)
• FDA	Forest Development Agency
• FIC	Forest Information Centre
• FSI	Forest Survey of India
• FTC	Forestry Training Centre
• GHS	Grama Haritha Samithy
• HRC	High Range Circle
• HRD	Human Resource Development
• HWS	Hard wood Species
• I&E	Inspection & Evaluation
• IMG	Institute of Management in Government
• IRM	Industrial Raw Materials
• ISFR	India State of Forest Report
• IUCN	International Union of Conservation of Nature
• JJS	Jana Jagratha Samithy
• KF Act.....	Kerala Forest Act
• KFDC	Kerala Forest Development Corporation
• KFDF	Kerala Forest Development Fund
• KFRI	Kerala Forest Research Institute
• MFP	Minor Forest Produce
• MoA	Memorandum of Association
• MoEF&CC	Ministry of Environment, Forest and Climate Change
• NC	Northern Circle

ABBREVIATIONS

- NFL Non Forest Land
- NP National Park
- NSC Nature Study Centre
- NTCA National Tiger Conservation Authority
- NTFP Non Timber Forest Produce
- PA Protected Area
- PHS Panchayat Haritha Samithy
- PTR Project Tiger Reserve
- RDF Regeneration of Denuded Forest
- RET Rare, Endangered and Threatened
- RFO Range Forest Officer
- RIDF Rural Infrastructure Development Fund
- RRT Rapid Response Team
- SARPA Snake Awareness, Rescue and Protection Application
- SC Southern Circle
- SFPP Special Forest Protection Force
- SF Social Forestry
- SFTI State Forest Training Institute
- TRF Teak Revolving Fund
- TS Timber Sales
- VDVK Van Dhan Vikas Kendras
- VSS Vana Samrakshna Samithies
- WLP Act Wildlife Protection Act
- WLS Wildlife Sanctuaries
- WL Wildlife
- WP Working Plan



Government of Kerala
Kerala Forest Department



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