



GOVERNMENT OF KERALA
KERALA FOREST DEPARTMENT



KERALA
FOREST STATISTICS

2023-24



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PREFACE

Kerala's forests remain a vital ecological asset, reflecting exceptional biodiversity, environmental stability, and socio-economic value. Enriched by varied landscapes and climatic conditions, these forests support a wide range of flora and fauna, with high levels of endemism. The presence of the Western Ghats along the State's eastern boundary further enhances Kerala's global ecological significance.

However, forest management today faces increasing challenges. Rapid urbanisation, changing land use patterns, and climate variability continue to exert pressure on these fragile ecosystems. Balancing developmental aspirations with conservation priorities has therefore become more critical than ever, requiring informed and adaptive strategies.

"Forest Statistics 2023-24" is an important initiative in this context. Prepared by the Statistics Wing of the Kerala Forest Department under the guidance of the Deputy Director (Statistics), the report compiles and presents essential data on forest resources, biodiversity, and management interventions. It aims to support evidence-based policymaking and effective planning.

This publication is intended as a valuable reference for policymakers, researchers, and stakeholders. It is hoped that the insights provided will strengthen efforts towards sustainable forest management and contribute to the long-term conservation of Kerala's rich natural heritage.



RAJESH RAVINDRAN IFS
Principal Chief Conservator of Forests &
Head of Forest Force

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KERALA AT A GLANCE

- Density (persons/ km²) 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

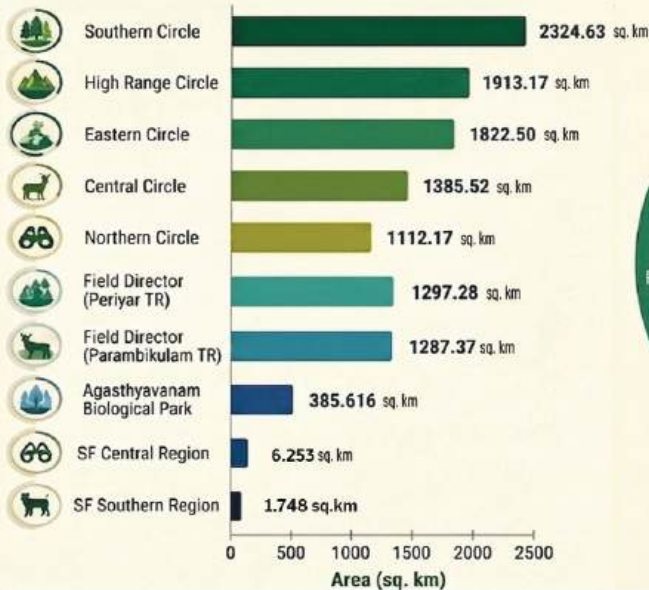
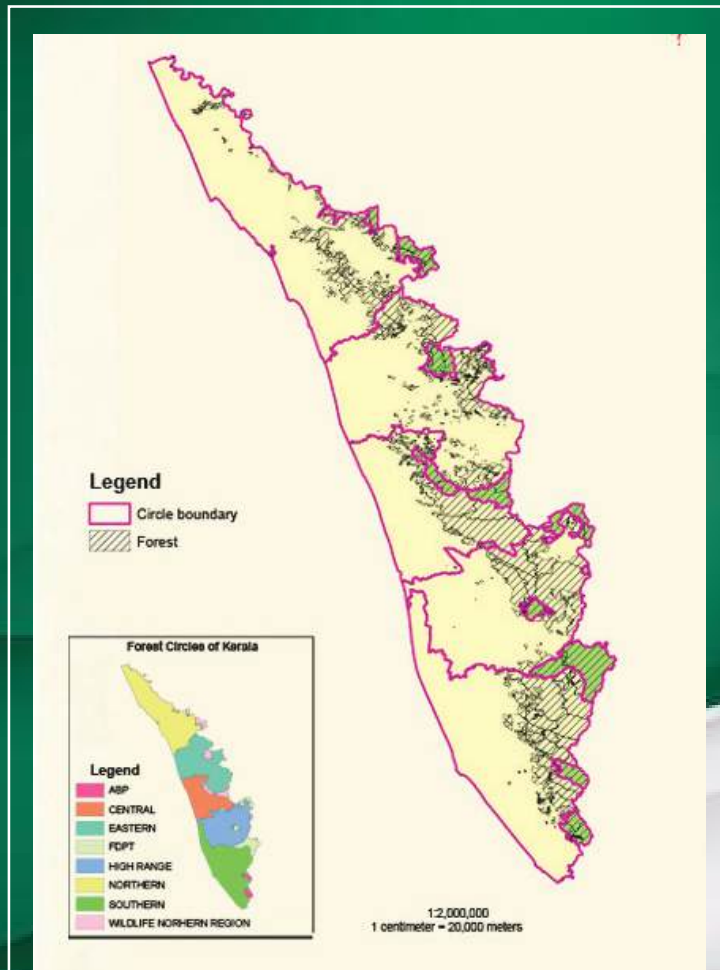
(AS ON 31.3.2024)

| | |
|---|---------------------------|
| • Total Forest Area..... | 11536.251 km ² |
| • Total Plantation Area..... | 1457.463 km ² |
| • Total Ecologically Fragile Land (EFL) Area | 139.164 km ² |
| • Extent of Diverted Forest Land..... | 384.309 km ² |
| • Total Recorded Forest Area India (ISFR 2023)..... | 775377 km ² |
| • Forest cover including tree cover India (ISFR 2023) | 827356.95 km ² |
| • Forest Cover including tree cover Kerala (ISFR 2023)..... | 24965.30 km ² |
| • Forest Cover (ISFR 2023)..... | 22059.36 km ² |
| • Tree Cover (ISFR 2023)..... | 2905.94 km ² |
| • Mangroves (ISFR 2023)..... | 9.45 km ² |
| • Carbon Stock in Forest (ISFR 2023)..... | 214.084 million tones |
| • Extent of bamboo bearing area (ISFR 2023)..... | 2443 km ² |
| • Encroachment | 49.737 km ² |
| • Revenue from Forest (in crores)..... | 261.04 |
| • Expenditure incurred (in crores) | 707.88 |
| • 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..... | 3360.327 km ² |
| • Number of Forest Stations | 125 |
| • Number of Check Posts..... | 63 |
| • Number of Timbersales Depots | 28 |

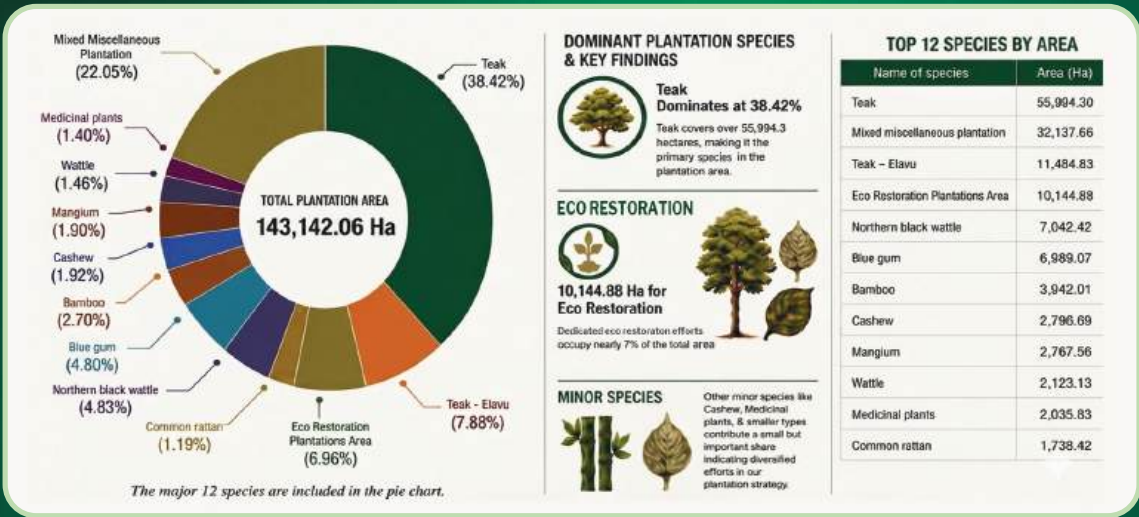
| | |
|---|--------------------------|
| • Number of Vanasree eco Shops | 74 |
| • Number of Tribal Co-operative Societies | 29 |
| • Number of Eco-tourism National Park and Wild life Sanctuaries Destination.... | 71 |
| • Tourist Arrival in Ecotourism Destinations | 9092760 |
| • Income Generated from Ecotourism Destinations | 7123.027 lakhs |
| • Quantity of Major Forest produce | |
| • Timber..... | 24086.997 M ³ |
| • Firewood & Billets | 5950.888 MT |
| • Sandal Wood | 153370.550 kg |
| • Teak Poles..... | 7751.900 M ³ |
| • Length of Road in charge of forest Department | 5083.278 km |
| • Human Wild life incidents during the year under the Report..... | 10627 Nos |
| • Compensation paid to victims of wild life attack | 2179.800 lakhs |
| • Estimation of some important wild life species | |
| • Elephant (Dung count method-2017) | 2386 |
| • Tiger (Tiger Census -2022) | 213 (SE16) |
| • Nilgiri Tahr (Est. population-2023)..... | 803 |
| • Number of fire incidents relating to forest fire | 347 |
| • Total destructed area by fire | 4.993 km ² |
| • Institutional / Avenue Planting | |
| • No. of seedling raised..... | 2131405 Nos |
| • No. of seedlings distributed | 2131000 Nos |
| • Vriksha Samridhi Scheme | |
| • No. of seedlings planted | 32.15 (in lakh) |
| • No. of seedling survived..... | 23.86 (in lakh) |
| • Plantation under Kerala Forest Development Corporation..... | 89.31 km ² |
| • No. of Vana Samrakshana Samithies (VSS)..... | 427 |
| • No. of Eco Development Committies (EDC)..... | 213 |

KEY HIGHLIGHTS

Forest Area in Kerala



Species-wise area of Plantation



DOMINANT PLANTATION SPECIES & KEY FINDINGS



Teak Dominates at 38.42%

Teak covers over 55,994.3 hectares, making it the primary species in the plantation area.

ECO RESTORATION



10,144.88 Ha for Eco Restoration

Dedicated eco restoration efforts occupy nearly 7% of the total area



MINOR SPECIES

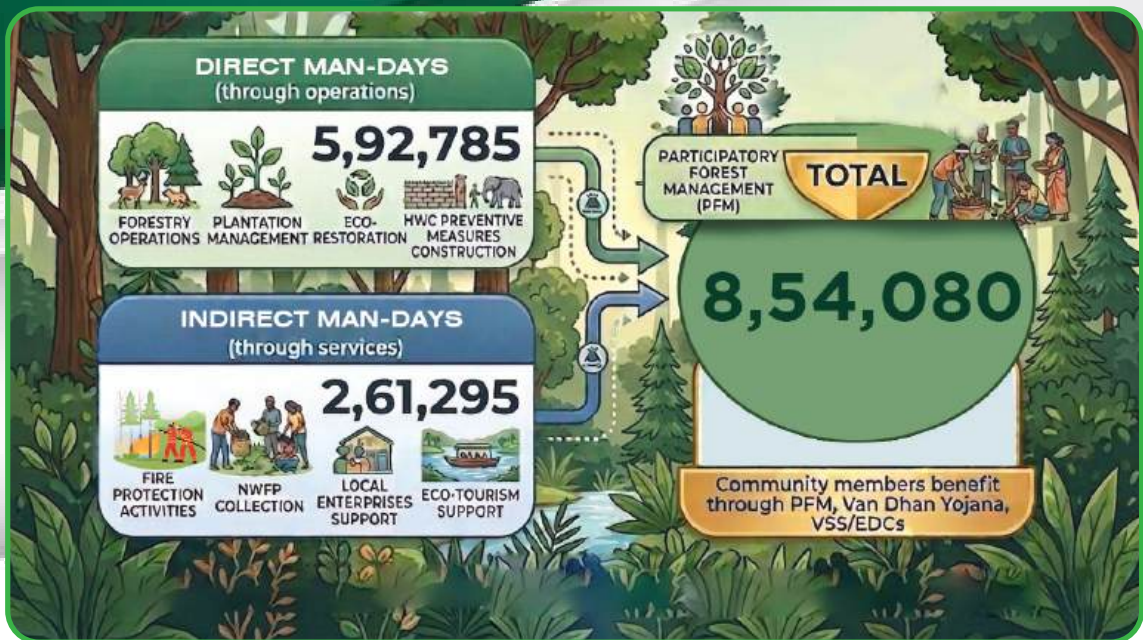


Other minor species like Cashew, Medicinal plants, & smaller types contribute a small but important share indicating diversified efforts in our plantation strategy

TOP 12 SPECIES BY AREA

| Name of species | Area (Ha) |
|----------------------------------|-----------|
| Teak | 55,994.30 |
| Mixed miscellaneous plantation | 32,137.66 |
| Teak - Elavu | 11,484.83 |
| Eco Restoration Plantations Area | 10,144.88 |
| Northern black wattle | 7,042.42 |
| Blue gum | 6,989.07 |
| Bamboo | 3,942.01 |
| Cashew | 2,796.69 |
| Mangium | 2,767.56 |
| Wattle | 2,123.13 |
| Medicinal plants | 2,035.83 |
| Common rattan | 1,738.42 |

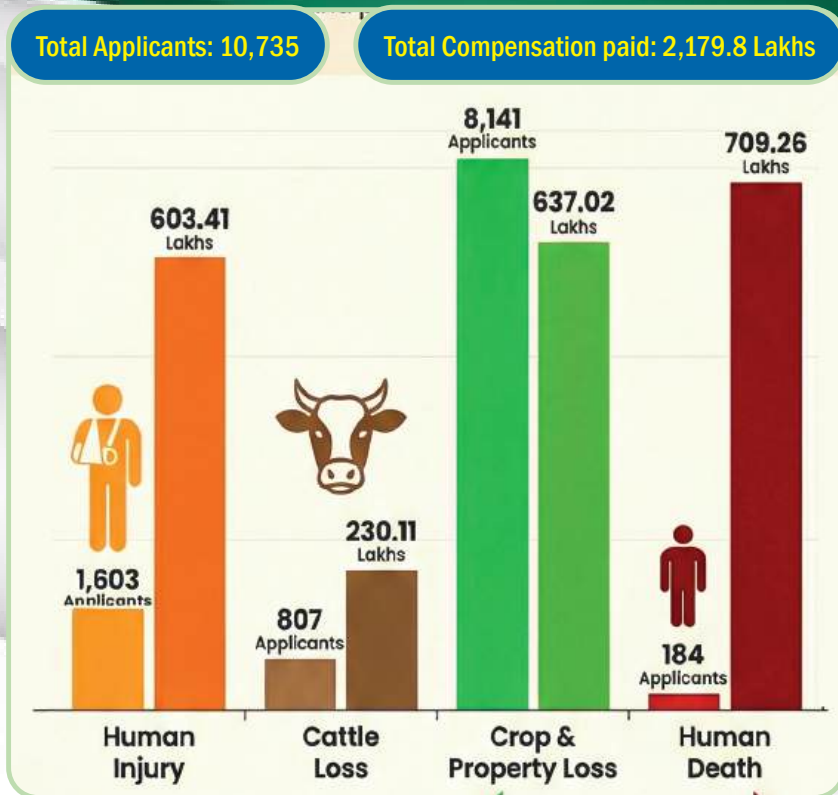
Employment Generation in Man-days Key Initiatives & Operations



Fire Incidents in a Decade



Compensation for Human-Wildlife Conflict



Mitigation Measures for Human-Wildlife Conflict (HWC)



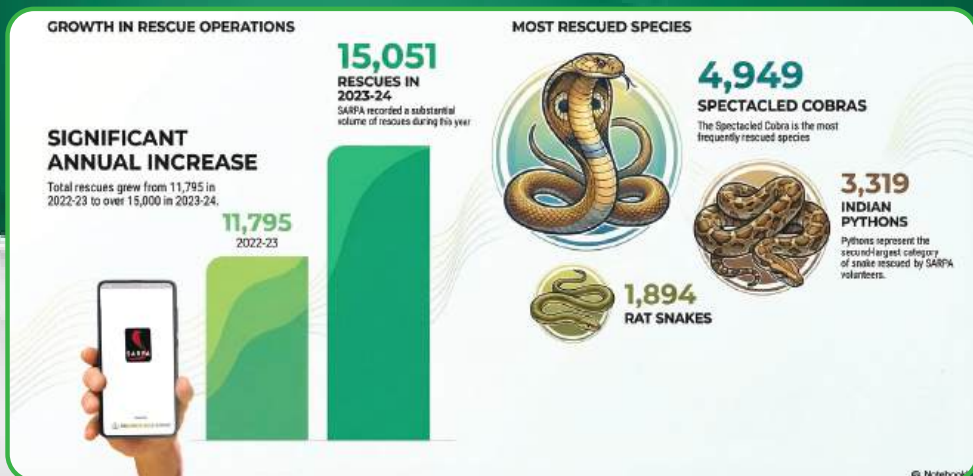
Kerala's Protected Area Network



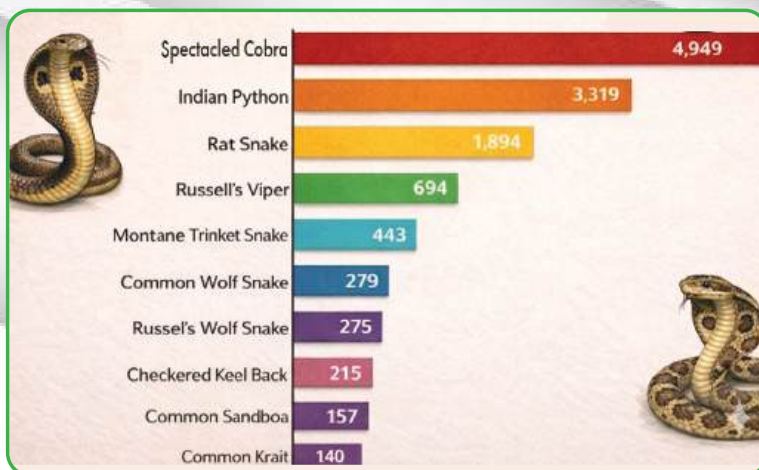
Implementation of Forest Rights Act, 2006



SARPA - Snake Rescue: Annual Impact & Species Diversity



Major 10 Species of Snakes rescued by SARPA Volunteers




Eco-Tourism

Impact Assessment for 71 Eco-Tourism Destinations

VISITOR DEMOGRAPHICS

Visitor Count & Categories



| Native | Foreigners | Students | Total |
|-----------|------------|----------|-----------|
| 8,255,970 | 81,340 | 755,450 | 9,092,760 |

8.26M



81.3K

755K

Native

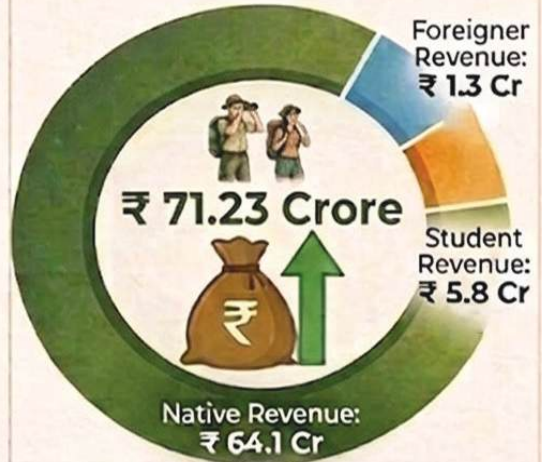
Foreigners

Students

TOTAL VISITORS: 9,092,760

Income Generation

Income Assessment (in Crores)



TOTAL INCOME GENERATED:

₹ 71.23 Crore

ECO-TOURISM INSIGHTS



Sustainable Practice



Local Empowerment



Conservation Efforts

Building Infrastructure Inventory



Revenue

REVENUE FROM TIMBER



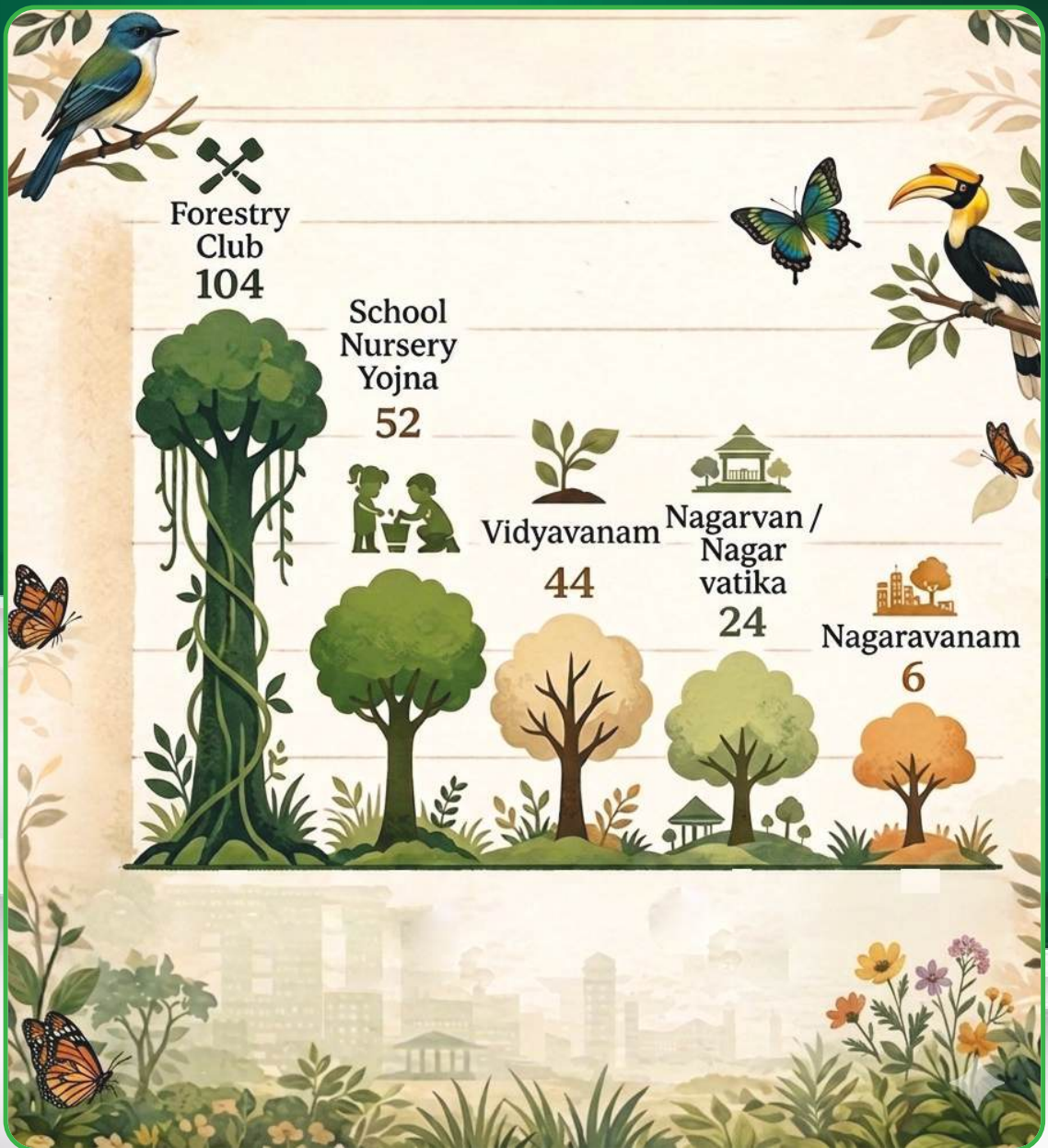
₹234.52 CRORE

TOTAL REVENUE (ALL SOURCES)



INCOME FROM ALL OPERATIONS:
₹261.04 CRORE

Biodiversity Conservation



Vriksha Samridhi

Vriksha Samridhi Scheme



30.15 Lakh
Seedlings Planted



23.86 Lakh
Seedlings Survived



Seedling raised & distributed



2,131,405
Seedlings Raised



2,131,000
Seedlings Distributed

Administrative Setup



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 |
|---|--------------------|-------------------|
| 1 | Thiruvananthapuram | 2794 |
| 2 | Kollam | 2640 |
| 3 | Pathanamthitta | 2050 |
| 4 | Alappuzha | 1676 |

| | District | Number of Species |
|----|------------|-------------------|
| 5 | Kottayam | 1745 |
| 6 | Idukki | 3780 |
| 7 | Ernakulam | 2248 |
| 8 | Thrissur | 2443 |
| 9 | Palakkad | 3446 |
| 10 | Malappuram | 2288 |
| 11 | Wayanad | 2853 |
| 12 | Kozhikkode | 2202 |
| 13 | Kannur | 2592 |
| 14 | Kasaragod | 1715 |

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

Out of the total geographical area of 38,863 sq. km, the forest area accounts for 11,536.251 sq. km. This indicates that a significant portion of the land area is under forest cover, highlighting the importance of forests in maintaining ecological balance, biodiversity conservation, and environmental sustainability.

Graph 1.1 Kerala - Geographical Area Vs. Forest Area: Percentage Distribution



Table 1.2
Circle-wise forest area

| Name of circle | Area (km ²) |
|----------------------------------|-------------------------|
| Southern Circle | 2324.632 |
| High Range Circle | 1913.165 |
| Central Circle | 1385.525 |
| Eastern Circle | 1822.495 |
| Northern Circle | 1112.169 |
| Agasthyavanam Biological Park | 385.616 |
| Field Director (Periyar TR) | 1297.276 |
| Field Director (Parambikulam TR) | 1287.372 |
| SF Central Region | 6.253 |
| SF Southern Region | 1.748 |
| Total Area | 11536.251 |

Graph 1.2 Circle-wise Forest area distribution – 2023-24 (km²)

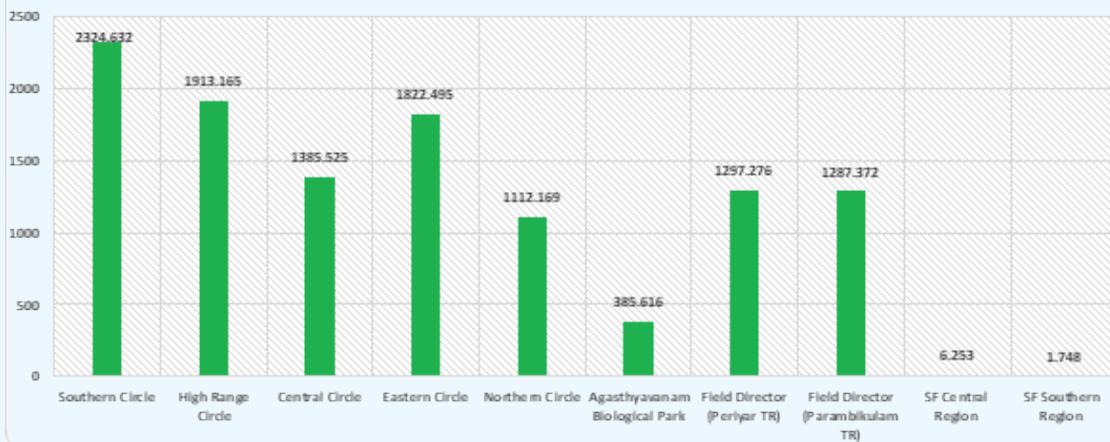


Table 1.3
Division-wise forest area

| Sl No | Division | Area (km ²) | Sl No | Division | Area (km ²) |
|-------|--------------------|-------------------------|-------|---------------|-------------------------|
| 1 | Thiruvananthapuram | 372.494 | 6 | Konni | 331.655 |
| 2 | Thenmala | 148.980 | 7 | Kottayam | 663.696 |
| 3 | Achenkovil | 285.869 | 8 | Kothamangalam | 318.311 |
| 4 | Ranni | 911.122 | 9 | Munnar | 775.881 |
| 5 | Punalur | 274.512 | 10 | Mankulam | 90.057 |

| Sl No | Division | Area (km ²) | Sl No | Division | Area (km ²) |
|---|----------------|-------------------------|-------|----------------------------|-------------------------|
| 11 | Marayoor | 65.220 | 26 | Thiruvananthapuram WL | 211.980 |
| 12 | Vazhachal | 353.414 | 27 | Schendurney WL | 173.636 |
| 13 | Chalakkudy | 208.011 | 28 | Periyar East (Thekkady) | 709.675 |
| 14 | Malayattoor | 610.959 | 29 | Periyar West (Peerumedu) | 216.000 |
| 15 | Thrissur | 213.141 | 30 | Munnar wildlife | 241.077 |
| 16 | Mannarkkad | 431.309 | 31 | Idukki wildlife | 130.524 |
| 17 | Nilambur North | 440.015 | 32 | Parambikulam Tiger Reserve | 376.900 |
| 18 | Nilambur South | 326.990 | 33 | Wayanad wildlife | 344.584 |
| 19 | Palakkad | 263.242 | 34 | Silent Valley wildlife | 237.491 |
| 20 | Nenmara | 360.938 | 35 | Peechi wildlife | 243.017 |
| 21 | Kozhikkode | 311.656 | 36 | Aralam wildlife | 85.380 |
| 22 | Wayanad North | 223.823 | 37 | Mangalavanam BS | 0.027 |
| 23 | Wayanad South | 295.227 | 38 | NSC Kalady | 6.226 |
| 24 | Kannur | 158.672 | 39 | SF Alappuzha | 1.748 |
| 25 | Kasargod | 122.791 | | | |
| Total forest area - 11536.251 km² | | | | | |

Forest area as per legal status

As of 2023-24, the total forest area under the administrative jurisdiction of the Kerala Forest Department stands at 11,536.251 km², constituting 29.68% of the state's total land area (38,863 km²). In the year 2023-24, an additional 4.343 km² was incorporated into the existing forest area. This increase is attributed to:

- The addition of 3.897 km² under reserved and proposed reserved forests.
- The exclusion of 0.023 km² under ecologically fragile land.
- The restoration of 0.408 km² under vested forest land.

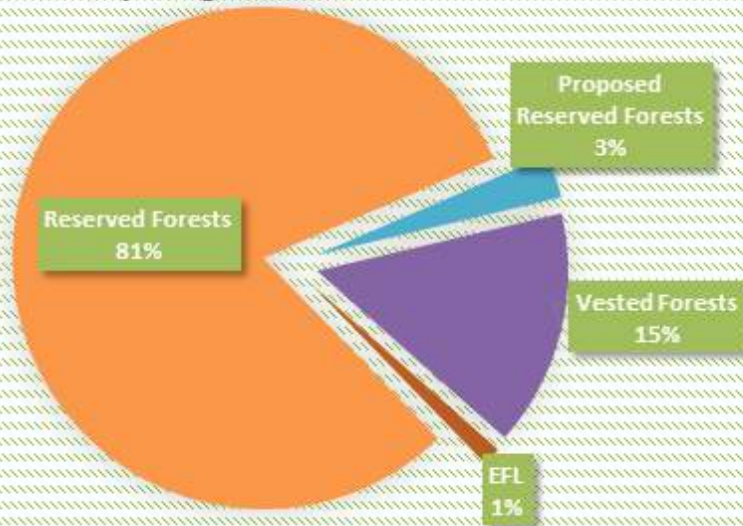
Preserving and expanding Kerala's forest cover is crucial for biodiversity conservation, climate regulation, and the sustainable utilization of natural resources.

Total Forest Area in the State 11536. 251 km²

Table 1.4
Forest area as per legal status (km²)

| Forest Type | Area | percentage |
|---------------------------------|------------------|------------|
| Reserved Forests (RF) | 9311.908 | 80.72 |
| Proposed Reserved Forests (PRF) | 322.599 | 2.80 |
| Vested Forests (VF) | 1762.580 | 15.28 |
| Ecological Fragile Land (EFL) | 139.164 | 1.20 |
| Total | 11536.251 | 100 |

Graph 1.3 Forest area as per legal status



FOREST DIVISIONS OF KERALA

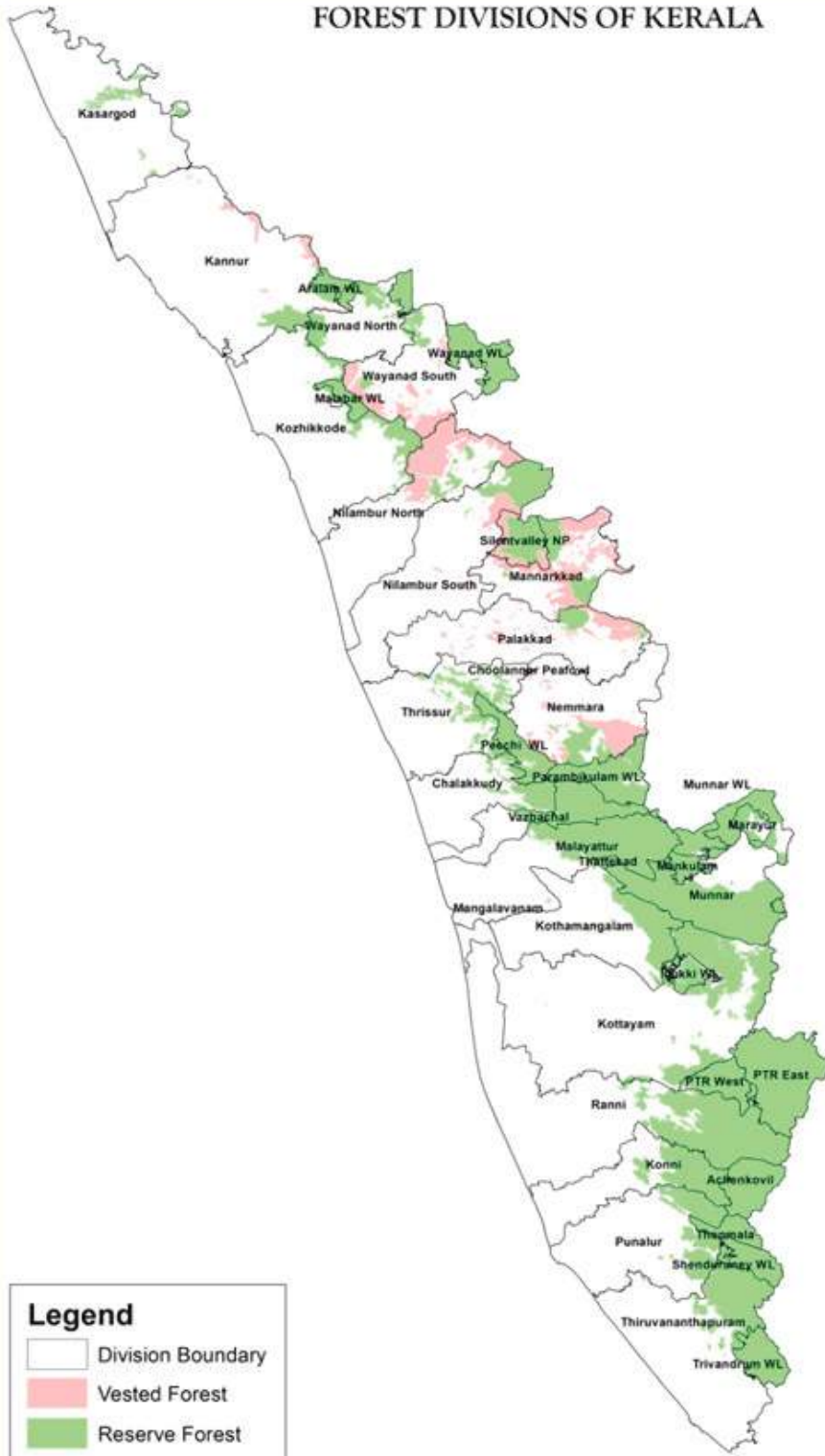


Table 1.5
Circle-wise forest area as on 31.03.2024 (km²)

| Sl. No. | Name of Circle | Reserved Forests | Proposed Reserved | Vested Forests | EFL | Total | % of Total |
|---------|----------------------------------|------------------|-------------------|-----------------|----------------|------------------|------------|
| 1 | Southern Circle | 2281.234 | 24.190 | 10.096 | 9.112 | 2324.632 | 20.15 |
| 2 | High Range Circle | 1640.455 | 229.562 | 32.863 | 10.285 | 1913.165 | 16.58 |
| 3 | Central Circle | 1378.120 | 2.212 | 4.306 | 0.886 | 1385.524 | 12.01 |
| 4 | Eastern Circle | 759.798 | 0.416 | 1002.001 | 60.280 | 1822.495 | 15.80 |
| 5 | Northern Circle | 406.058 | 58.674 | 593.468 | 53.969 | 1112.169 | 9.64 |
| 6 | Agasthyavanam Biological Park | 375.356 | 5.680 | 4.226 | 0.354 | 385.616 | 3.34 |
| 7 | Field Director (Periyar TR) | 1296.601 | 0.000 | 0.000 | 0.675 | 1297.276 | 11.25 |
| 8 | Field Director (Parambikulam TR) | 1168.060 | 0.089 | 115.620 | 3.603 | 1287.372 | 11.16 |
| 9 | SF Central Region | 6.226 | 0.027 | 0.000 | 0.000 | 6.253 | 0.05 |
| 10 | SF Southern Region | 0.000 | 1.748 | 0.000 | 0.000 | 1.748 | 0.02 |
| | GRAND TOTAL | 9311.908 | 322.599 | 1762.580 | 139.164 | 11536.251 | 100 |

Table 1.6
Division-wise forest area as on 31.03.2024 (km²)

| Sl. No. | Division | Reserved Forests | Proposed Reserved | Vested Forests | EFL | Total | % of Total |
|--------------------------|--------------------------------|------------------|-------------------|----------------|---------------|-----------------|--------------|
| SOUTHERN CIRCLE | | | | | | | |
| | SOUTHERN CIRCLE TOTAL | 2281.234 | 24.190 | 10.096 | 9.112 | 2324.632 | 20.15 |
| 1 | Thiruvananthapuram | 359.124 | 5.825 | 0.376 | 7.169 | 372.494 | 3.23 |
| 2 | Thenmala | 140.750 | 0.000 | 7.775 | 0.455 | 148.980 | 1.29 |
| 3 | Achencoil | 284.330 | 0.000 | 0.208 | 1.331 | 285.869 | 2.48 |
| 4 | Ranni | 902.329 | 7.225 | 1.568 | 0.000 | 911.122 | 7.90 |
| 5 | Punalur | 274.148 | 0.038 | 0.169 | 0.157 | 274.512 | 2.38 |
| 6 | Konni | 320.553 | 11.102 | 0.000 | 0.000 | 331.655 | 2.87 |
| HIGH RANGE CIRCLE | | | | | | | |
| | HIGH RANGE CIRCLE TOTAL | 1640.455 | 229.562 | 32.863 | 10.285 | 1913.165 | 16.58 |
| 7 | Kothamangalam | 317.604 | 0.549 | 0.158 | 0.000 | 318.311 | 2.76 |
| 8 | Munnar* | 693.535 | 76.536 | 0.662 | 5.148 | 775.881 | 6.73 |
| 9 | Marayoor | 15.416 | 47.257 | 0.076 | 2.471 | 65.220 | 0.57 |
| 10 | Mankulam | 0.000 | 90.057 | 0.000 | 0.000 | 90.057 | 0.78 |
| 11 | Kottayam** | 613.900 | 15.163 | 31.967 | 2.666 | 663.696 | 5.75 |
| CENTRAL CIRCLE | | | | | | | |
| | CENTRAL CIRCLE TOTAL | 1378.120 | 2.212 | 4.306 | 0.886 | 1385.524 | 12.01 |
| 12 | Vazhachal | 353.414 | 0.000 | 0.000 | 0.000 | 353.414 | 3.06 |

| Sl. No. | Division | Reserved Forests | Proposed Reserved | Vested Forests | EFL | Total | % of Total |
|--------------------------------------|------------------------------|------------------|-------------------|-----------------|---------------|-----------------|--------------|
| 13 | Chalakudy | 207.940 | 0.031 | 0.000 | 0.040 | 208.011 | 1.80 |
| 14 | Malayattoor | 609.725 | 1.234 | 0.000 | 0.000 | 610.959 | 5.30 |
| 15 | Thrissur | 207.041 | 0.948 | 4.306 | 0.846 | 213.141 | 1.85 |
| EASTERN CIRCLE | | | | | | | |
| | EASTERN CIRCLE TOTAL | 759.798 | 0.416 | 1002.001 | 60.280 | 1822.495 | 15.80 |
| 16 | Mannarkkad | 150.732 | 0.000 | 271.440 | 9.138 | 431.309 | 3.74 |
| 17 | Nilambur North | 58.393 | 0.345 | 371.720 | 9.557 | 440.015 | 3.81 |
| 18 | Nilambur South | 267.599 | 0.033 | 57.555 | 1.803 | 326.990 | 2.83 |
| 19 | Palakkad | 73.410 | 0.000 | 159.750 | 30.082 | 263.242 | 2.28 |
| 20 | Nenmara | 209.664 | 0.038 | 141.536 | 9.701 | 360.938 | 3.13 |
| NORTHERN CIRCLE | | | | | | | |
| | NORTHERN CIRCLE TOTAL | 406.058 | 58.674 | 593.468 | 53.969 | 1112.169 | 9.64 |
| 21 | Kozhikode | 24.390 | 38.385 | 233.535 | 15.346 | 311.656 | 2.70 |
| 22 | Wayanad North | 134.058 | 15.107 | 65.576 | 9.082 | 223.823 | 1.94 |
| 23 | Wayanad South | 67.679 | 3.774 | 203.272 | 20.502 | 295.227 | 2.56 |
| 24 | Kannur | 93.361 | 0.021 | 60.380 | 4.910 | 158.672 | 1.38 |
| 25 | Kasaragod | 86.570 | 1.387 | 30.705 | 4.129 | 122.791 | 1.06 |
| AGASTHYAVANAM BIOLOGICAL PARK | | | | | | | |
| | A B P CIRCLE TOTAL | 375.356 | 5.680 | 4.226 | 0.354 | 385.616 | 3.34 |
| 26 | Thiruvananthapuram | 211.980 | 0.000 | 0.000 | 0.000 | 211.980 | 1.84 |
| 27 | Shendurney | 163.376 | 5.680 | 4.226 | 0.354 | 173.636 | 1.50 |

| Sl. No. | Division | Reserved Forests | Proposed Reserved | Vested Forests | EFL | Total | % of Total |
|---|--|------------------|-------------------|-----------------|----------------|------------------|--------------|
| Field Director(Periyar TR) | | | | | | | |
| | FIELD DIRECTOR (PERIYAR TR) CIRCLE TOTAL | 1296.601 | 0.000 | 0.000 | 0.675 | 1297.276 | 11.24 |
| 28 | Periyar East | 709.000 | 0.000 | 0.000 | 0.675 | 709.675 | 6.15 |
| 29 | Periyar West | 216.000 | 0.000 | 0.000 | 0.000 | 216.000 | 1.87 |
| 30 | Munnar WL | 241.077 | 0.000 | 0.000 | 0.000 | 241.077 | 2.09 |
| 31 | Idukki WL | 130.524 | 0.000 | 0.000 | 0.000 | 130.524 | 1.13 |
| Field Director (Parambikulam TR) | | | | | | | |
| | FIELD DIRECTOR (PARAMBIKULAM TR) CIRCLE TOTAL | 1168.060 | 0.089 | 115.620 | 3.603 | 1287.372 | 11.16 |
| 32 | Parambikulam | 376.900 | 0.000 | 0.000 | 0.000 | 376.900 | 3.27 |
| 33 | Wayanad WL | 344.443 | 0.089 | 0.000 | 0.052 | 344.584 | 2.99 |
| 34 | Silent Valley | 154.380 | 0.000 | 79.679 | 3.432 | 237.491 | 2.06 |
| 35 | Peechi | 239.597 | 0.000 | 3.301 | 0.119 | 243.017 | 2.11 |
| 36 | Aralam | 52.740 | 0.000 | 32.640 | 0.000 | 85.380 | 0.74 |
| SF CENTRAL REGION | | | | | | | |
| | SF CENTRAL REGION TOTAL | 6.226 | 0.027 | 0.000 | 0.000 | 6.253 | 0.05 |
| 37 | NSC Kalady | 6.226 | 0.000 | 0.000 | 0.000 | 6.226 | 0.05 |
| 38 | Mangalavanam BS | 0.000 | 0.027 | 0.000 | 0.000 | 0.027 | 0.00 |
| SF SOUTHERN REGION | | | | | | | |
| | SF SOUTHERN REGION TOTAL | 0.000 | 1.748 | 0.000 | 0.000 | 1.748 | 0.02 |
| 39 | Social Forestry, Alappuzha | 0.000 | 1.748 | 0.000 | 0.000 | 1.748 | 0.02 |
| | GRAND TOTAL | 9311.908 | 322.599 | 1762.580 | 139.164 | 11536.251 | 100% |

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

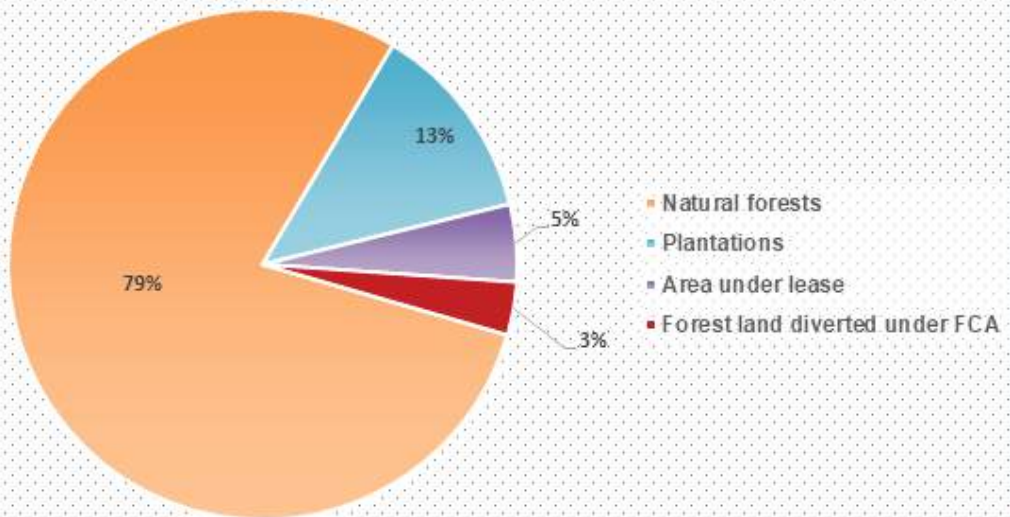
** Includes an extent of 479.258 km² of Cardamom Hill Reserves (CHR) in Kottayam Division

Forest area as per land use pattern

Table 1.7
Forest area as per land use pattern

| No. | Land use pattern | Area (km ²) | Percentage |
|--------------|--------------------------------|-------------------------|------------|
| 1 | Natural forests | 9128.349 | 79.13 |
| 2 | Plantations | 1457.463 | 12.63 |
| 3 | Area under lease | 566.130 | 4.91 |
| 4 | Forest land diverted under FCA | 384.309 | 3.33 |
| TOTAL | | 11536.251 | 100 |

Graph 1.4 Forest Area proportion with land use categories (km²)



Forest area diverted for non-forestry purposes

As per the Forest Conservation Act, 1980, a total of 384.309 km² of forest land has been diverted to various agencies for non-forestry purposes. In the year 2023-24 alone, 13.056 hectares of forest land were allocated for essential public utilities such as drinking water and hydel projects, roads and transmission lines.

Table 1.8
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 | Defense | 36.00 | 2 | 65.00 | 1 | 0.00 | 0.00 |
| 2 | Dispensary/ Hospital | 0.61 | 2 | 0.00 | 0 | 0.00 | 0.00 |
| 3 | Drinking water | 13.6339 | 74 | 6.71 | 1 | 0.26 | 1 |
| 4 | Encroachment | 28588.16 | 1 | 57176.00 | 1 | 0.00 | 0.00 |
| 5 | Hydel | 313.30 | 15 | 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 | 0.00 | 0.00 |
| 8 | Rehabilitation | 169.02 | 2 | 0.00 | 0 | 0.00 | 0.00 |
| 9 | Road | 44.8943 | 39 | 48.76 | 5 | 0.00 | 0.00 |
| 10 | School | 12.96 | 5 | 25.90 | 2 | 0.00 | 0.00 |
| 11 | Transmission line | 756.5749 | 73 | 739.86 | 10 | 351.99 | 9 |
| 12 | Village electricity | 30.6616 | 78 | 12.91 | 2 | 0.00 | 0.00 |
| 13 | Others | 8039.4911 | 97 | 85.26 | 5 | 158.20 | 4 |
| | Total | 38430.8758 | 416 | 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 2023-24, an area of 0.408 km² was restored under vested forests.

Table 1.9
Vested Forest - Division-wise distribution

| Sl. No. | Division | Area (Ha) |
|---------|--------------------|-----------|
| 1 | Thiruvananthapuram | 37.60 |
| 2 | Thenmala | 777.50 |
| 3 | Achencoil | 20.80 |

| 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 | 27144.00 |
| 12 | Nilambur North | 37172.00 |
| 13 | Nilambur South | 5755.55 |
| 14 | Palakkad | 15975.00 |
| 15 | Nenmara | 14153.60 |
| 16 | Kozhikode | 23353.50 |
| 17 | Wayanad North | 6557.60 |
| 18 | Wayanad South | 20327.20 |
| 19 | Kannur | 6038.00 |
| 20 | Kasaragod | 3070.50 |
| 21 | Shendurney | 422.60 |
| 22 | Silent Valley | 7967.90 |
| 23 | Peechi | 330.10 |
| 24 | Aralam | 3264.00 |
| Grand Total | | 176258.00 |

Ecologically Fragile Lands (EFL)

The state of Kerala has declared approximately 13916.40 hectares as ecologically fragile land. However, an extent of 723.5482 hectares has been de-notified through various redressal mechanisms under the EFL Act.

Table 1.10
Division-wise extent of Ecologically Fragile Lands

| Sl. No. | Division | Area (Ha) |
|---------|--------------------|-----------|
| 1 | Thiruvananthapuram | 716.90 |
| 2 | Thenmala | 45.50 |
| 3 | Achencoil | 133.10 |
| 4 | Punalur | 15.70 |
| 5 | Munnar | 514.80 |
| 6 | Marayoor | 247.10 |

| Sl. No. | Division | Area (Ha) |
|--------------------|----------------|-----------------|
| 7 | Kottayam | 266.60 |
| 8 | Chalakyudy | 4.00 |
| 9 | Thrissur | 84.60 |
| 10 | Mannarkkad | 913.80 |
| 11 | Nilambur North | 955.70 |
| 12 | Nilambur South | 180.30 |
| 13 | Palakkad | 3008.20 |
| 14 | Nenmara | 970.10 |
| 15 | Kozhikode | 1534.60 |
| 16 | Wayanad North | 908.20 |
| 17 | Wayanad South | 2050.20 |
| 18 | Kannur | 491.00 |
| 19 | Kasaragod | 412.90 |
| 20 | Shendurney | 35.40 |
| 21 | Periyar (E) | 67.50 |
| 22 | Wayanadu (WL) | 5.20 |
| 23 | Peechi | 11.90 |
| 24 | Silent Valley | 343.20 |
| GRAND TOTAL | | 13916.40 |

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 1.11
Distribution of plantation area

| Sl. No. | Category | Area (Ha) |
|--------------------|-----------------------|-------------------|
| 1 | Territorial Divisions | 141623.703 |
| 2 | Wildlife Divisions | 4122.613 |
| STATE TOTAL | | 145746.316 |

Table 1.12
Abstract of plantation area - species-wise

| Sl. No. | Plantation | Area (Ha) | Percentage |
|--------------------|--------------------------------|-------------------|------------|
| 1 | Hardwood | 86686.666 | 59.48 |
| 2 | Softwood | 5208.355 | 3.57 |
| 3 | Bamboo, Reeds& Rattan | 6324.535 | 4.34 |
| 4 | Plantation Crops | 2870.692 | 1.97 |
| 5 | Medicinal Plants | 2045.469 | 1.40 |
| 6 | Eco-Restoration Plantation | 10144.875 | 6.96 |
| 7 | Mangroves | 328.068 | 0.22 |
| 8 | Mixed Miscellaneous Plantation | 32137.656 | 22.05 |
| STATE TOTAL | | 145746.316 | 100 |

Table 1.13
Distribution of plantation area - species-wise

| Sl. No. | Name of Species -Common Name | Botanical Name | Area (Ha) | % to total plantation |
|---------|------------------------------|--------------------------|-----------|-----------------------|
| 1 | Teak | Tectona grandis | 55994.301 | 38.42 |
| 2 | Teak - Elavu | - | 11484.828 | 7.88 |
| 3 | Rosewood | Dalbergia latifolia | 89.380 | 0.06 |
| 4 | Mahogany | Swietenia macrophylla | 460.043 | 0.32 |
| 5 | Sandalwood | Santalum album | 197.898 | 0.14 |
| 6 | Anjili | Artocarpus hirsutus | 616.420 | 0.42 |
| 7 | Kambakam | Mallotus philippensis | 194.960 | 0.14 |
| 8 | Casuarina | Casuarina equisetifolia | 118.870 | 0.08 |
| 9 | Venteak | Lagerstroemia microcarpa | 2.023 | 0.00 |
| 10 | Vengai | Pterocarpus marsupium | 9.712 | 0.01 |
| 11 | Hardwood Miscellaneous | - | 557.640 | 0.38 |
| 12 | Silver Oak | Gravellia robusta | 948.680 | 0.65 |
| 13 | Pine | Pinus spp. | 546.400 | 0.37 |

| Sl. No. | Name of Species -Common Name | Botanical Name | Area (Ha) | % to total plantation |
|--------------------|----------------------------------|-------------------------|-------------------|-----------------------|
| 14 | Alnus | Alnus nepalensis | 74.350 | 0.05 |
| 15 | Vellakil | - | 100.00 | 0.07 |
| 16 | Siris | Albizia lebbek | 61.540 | 0.04 |
| 17 | Balsa | Ochroma pyramidale | 21.040 | 0.01 |
| 18 | Matti | Ailanthus triphysa | 488.010 | 0.33 |
| 19 | Elavu | Bombax ceiba | 80.240 | 0.06 |
| 20 | Kumbil | Gmelina arborea | 115.580 | 0.08 |
| 21 | Malaveppu | Meliadubia | 48.500 | 0.03 |
| 22 | Other Softwood | - | 762.425 | 0.52 |
| 23 | Northern black wattle | Acacia auriculiformis | 7042.424 | 4.83 |
| 24 | Mangium | Acacia mangium | 2767.557 | 1.90 |
| 25 | Blue gum | Eucalyptus tereticornis | 6989.070 | 4.80 |
| 26 | Wattle | Acacia spp. | 2123.130 | 1.46 |
| 27 | Bamboo | Bambusa spp. | 3942.005 | 2.70 |
| 28 | Reeds | Ochlandra spp. | 644.110 | 0.44 |
| 29 | Common rattan | Calamus rotang | 1738.420 | 1.19 |
| 30 | Rubber | Hevea brasiliensis | 42.100 | 0.03 |
| 31 | Cashew | Anacardium occidentale | 2796.69 | 1.92 |
| 32 | Pepper | Piper nigrum | 30.000 | 0.02 |
| 33 | Tea | Camellia sinensis | 1.902 | 0.00 |
| 34 | Medicinal plants | - | 2035.829 | 1.40 |
| 35 | Agave | Agave americana | 9.640 | 0.01 |
| 36 | Mangroves | Rhizophora spp. | 328.068 | 0.23 |
| 37 | Mixed Miscellaneous Plantation | - | 32137.656 | 22.05 |
| 38 | Eco Restoration Plantations Area | - | 10144.875 | 6.96 |
| STATE TOTAL | | | 145746.316 | 100 |

Table 1.14
Circle-wise area of plantation (Abstract)

| Sl. No | Name of Circle | Total |
|--------------------|----------------------------|-------------------|
| 1 | Southern Circle | 50825.614 |
| 2 | High Range Circle | 25591.725 |
| 3 | Central Circle | 24574.379 |
| 4 | Eastern Circle | 18456.848 |
| 5 | Northern Circle | 22175.137 |
| 6 | Wildlife & Social Forestry | 4122.613 |
| GRAND TOTAL | | 145746.316 |

Table-1.15
Division-wise area of plantation - species-wise

| Sl. No | Name of Species | Southern Circle | | | | | | Total |
|--------|-----------------------------------|-----------------|----------|----------|----------|----------|------------|-----------|
| | | TVM | Thenmala | Punalur | Konni | Ranni | Achencovil | |
| 1 | Teak | 351.210 | 2498.640 | 1335.664 | 8211.900 | 3544.790 | 1253.880 | 17196.084 |
| 2 | Teak - Elavu | 349.390 | 248.730 | 285.410 | - | 1107.820 | - | 1991.350 |
| 3 | Rosewood | - | 9.280 | - | 72.000 | - | - | 81.280 |
| 4 | Anjili | 596.820 | 9.600 | - | - | - | - | 606.420 |
| 5 | Kambakam | 66.960 | - | - | 125.000 | - | - | 191.960 |
| 6 | Hardwood Miscellaneous | 89.140 | - | 221.970 | - | - | - | 311.110 |
| 7 | Silver Oak | - | 250.000 | - | - | - | - | 250.000 |
| 8 | Siris (Albezia) | 7.000 | - | - | - | - | - | 7.000 |
| 9 | Balsa | - | - | - | 21.040 | - | - | 21.040 |
| 10 | Matti | 13.100 | - | 29.640 | - | - | - | 42.740 |
| 11 | Malaveppu | - | - | 12.000 | - | - | - | 12.000 |
| 12 | Softwood Miscellaneous | 6.000 | - | - | - | - | - | 6.000 |
| 13 | Northern Black wattle (Acacia) | 1685.670 | 486.710 | 668.920 | 326.370 | 362.780 | - | 3530.450 |

| Sl. No | Name of Species | Southern Circle | | | | | | Total |
|--------|---------------------------------|-----------------|-----------------|-----------------|------------------|-----------------|------------------|------------------|
| | | TVM | Thenmala | Punalur | Konni | Ranni | Achencovil | |
| 14 | Mangium | 804.520 | 81.570 | 1122.960 | - | - | - | 2009.050 |
| 15 | Blue Gum (Eucalyptus) | 235.910 | 620.610 | 656.650 | 30.000 | 8.100 | - | 1551.270 |
| 16 | Bamboo | 94.680 | 114.960 | 156.220 | 274.500 | 220.080 | - | 860.440 |
| 17 | Reeds | - | 3.000 | - | - | 235.960 | - | 238.960 |
| 18 | Rattans | - | 32.700 | - | 336.500 | 85.430 | - | 454.630 |
| 19 | Cashew | 131.500 | - | - | - | - | - | 131.500 |
| 20 | Medicinal Plants | 467.120 | 18.360 | 134.880 | 231.750 | - | - | 852.110 |
| 21 | Eco-Restoration Plantation Area | - | - | - | 68.920 | - | 9656.165 | 9725.085 |
| 22 | Mixed Miscellaneous Plantations | 914.690 | 2858.990 | 642.270 | 354.500 | 3530.690 | 2454.000 | 10755.140 |
| | TOTAL | 5813.710 | 7233.150 | 5266.584 | 10052.480 | 9095.645 | 13364.045 | 50825.614 |

| Sl. No | Name of Species | High Range Circle | | | | | Total |
|--------|------------------------|-------------------|---------|----------|----------|----------|----------|
| | | Kothamangalam | Munnar | Marayoor | Mankulam | Kottayam | |
| 1 | Teak | 4472.638 | 786.950 | - | - | 3204.096 | 8463.684 |
| 2 | Teak - Elavu | - | - | - | - | 1000.781 | 1000.781 |
| 3 | Rosewood | 8.100 | - | - | - | - | 8.100 |
| 4 | Mahogani | 15.240 | - | - | 3.500 | 0.670 | 19.410 |
| 5 | Sandalwood | - | - | 39.858 | - | - | 39.858 |
| 6 | Anjili | 10.000 | - | - | - | - | 10.000 |
| 7 | Kambakam | - | - | - | 3.000 | - | 3.000 |
| 8 | Venteak | - | - | - | - | 2.023 | 2.023 |
| 9 | Vengai | - | - | - | - | 9.712 | 9.712 |
| 10 | Hardwood Miscellaneous | - | - | - | 23.000 | 25.000 | 48.000 |
| 11 | Silver Oak | - | 95.320 | - | 67.600 | 5.000 | 167.920 |
| 12 | Pine | - | 485.000 | - | - | 61.400 | 546.400 |
| 13 | Alnus | - | 61.600 | - | 12.750 | - | 74.350 |
| 14 | Matti | 127.900 | 156.840 | - | - | 11.000 | 295.740 |
| 15 | Elavu | 11.550 | 20.990 | - | - | - | 32.540 |
| 16 | Vellakil | - | - | - | 100.000 | - | 100.000 |

| Sl. No | Name of Species | High Range Circle | | | | | Total |
|--------|---------------------------------|-------------------|-----------------|-----------------|----------------|-----------------|------------------|
| | | Kothamangalam | Munnar | Marayoor | Mankulam | Kottayam | |
| 17 | Northern Black wattle (Acacia) | 14.200 | - | 100.000 | - | 28.500 | 142.700 |
| 18 | Mangium | 235.477 | - | - | 12.750 | - | 248.227 |
| 19 | Blue Gum (Eucalyptus) | 161.310 | 3340.790 | 20.000 | 50.000 | 363.600 | 3935.700 |
| 20 | Wattle | - | 1320.790 | 801.340 | - | - | 2122.130 |
| 21 | Bamboo | 67.600 | 598.150 | 90.800 | 53.100 | 228.281 | 1037.931 |
| 22 | Reeds | - | - | - | 286.690 | - | 286.690 |
| 23 | Rattans | 214.950 | - | - | 68.560 | 138.600 | 422.110 |
| 24 | Cashew | 54.000 | - | - | - | - | 54.000 |
| 25 | Tea | - | - | - | - | 1.902 | 1.902 |
| 26 | Medicinal Plants | - | - | - | 83.800 | 224.000 | 307.800 |
| 27 | Eco-Restoration Plantation Area | - | 25.720 | - | - | 29.000 | 54.720 |
| 28 | Mixed Miscellaneous Plantations | 1140.160 | 2232.820 | 94.400 | 129.080 | 2559.840 | 6156.300 |
| | TOTAL | 6533.122 | 9124.970 | 1146.398 | 893.830 | 7893.405 | 25591.725 |

| Sl. No | Name of Species | Central Circle | | | | Total |
|--------|--------------------------------|----------------|------------|-------------|----------|-----------|
| | | Vazhachal | Chalakkudy | Malayattoor | Thrissur | |
| 1 | Teak | 3780.780 | 3311.480 | 4878.030 | 1424.323 | 13394.613 |
| 2 | Teak - Elavu | 1676.420 | - | 2627.510 | 252.570 | 4556.500 |
| 3 | Matti | - | - | 10.300 | 55.920 | 66.220 |
| 4 | Elavu | - | 47.700 | - | - | 47.700 |
| 5 | Kumbil | - | - | 94.620 | - | 94.620 |
| 6 | Malaveppu | - | - | - | 36.500 | 36.500 |
| 7 | Northern Black wattle (Acacia) | - | - | 1192.980 | 1172.290 | 2365.265 |
| 8 | Mangium | - | - | 145.000 | 40.450 | 185.450 |
| 9 | Blue Gum (Eucalyptus) | - | - | 17.250 | 151.500 | 168.750 |
| 10 | Bamboo | - | 32.900 | 74.700 | 160.620 | 268.220 |
| 11 | Cashew | - | 136.820 | - | 495.679 | 632.499 |

| Sl. No | Name of Species | Central Circle | | | | Total |
|--------|---------------------------------|-----------------|-----------------|-----------------|-----------------|------------------|
| | | Vazhachal | Chalakkudy | Malayatoor | Thrissur | |
| 12 | Medicinal Plants | - | - | - | 90.310 | 90.310 |
| 13 | Eco-Restoration Plantation Area | - | - | - | 264.450 | 264.450 |
| 14 | Mixed Miscellaneous Plantations | - | 198.600 | 62.300 | 2142.380 | 2403.280 |
| | TOTAL | 5457.200 | 3727.500 | 9102.690 | 6286.989 | 24574.379 |

| Sl. No | Name of Species | Eastern Circle | | | | | Total |
|--------|---------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|
| | | Mannarkkad | Nilambur(N) | Nilambur(S) | Palakkad | Nenmara | |
| 1 | Teak | 366.530 | 3718.310 | 4520.130 | 1798.580 | 1181.660 | 11585.209 |
| 2 | Mahogani | - | 142.680 | - | - | 2.380 | 145.055 |
| 3 | Sandalwood | - | - | - | - | 100.320 | 100.320 |
| 4 | Casuarina | - | - | - | 32.630 | - | 32.630 |
| 5 | Hardwood Miscellaneous | 15.200 | - | - | 34.270 | 6.060 | 55.530 |
| 6 | Silver Oak | - | - | - | - | 40.000 | 40.000 |
| 7 | Matti | - | - | - | 5.000 | - | 5.000 |
| 8 | Softwood Miscellaneous | - | 58.000 | - | - | - | 58.000 |
| 9 | Northern Black wattle (Acacia) | 164.540 | - | - | 35.820 | 105.240 | 305.600 |
| 10 | Blue Gum (Eucalyptus) | 143.920 | 41.580 | - | 41.920 | 110.420 | 337.840 |
| 11 | Bamboo | 32.600 | 829.920 | - | 108.550 | 69.300 | 1040.374 |
| 12 | Rattans | 17.400 | 421.560 | - | 65.880 | 22.240 | 527.080 |
| 13 | Cashew | 128.247 | 284.009 | - | 27.040 | 214.440 | 653.736 |
| 14 | Medicinal Plants | 72.460 | 198.778 | - | 85.520 | 11.280 | 368.038 |
| 15 | Mixed Miscellaneous Plantations | 237.190 | 732.760 | 206.760 | 1238.340 | 787.380 | 3202.440 |
| | TOTAL | 1178.087 | 6427.596 | 4726.893 | 3473.550 | 2650.722 | 18456.848 |

| Sl. No | Name of Species | Northern Circle | | | | | Total |
|--------|---------------------------------|-----------------|-----------------|------------------|-----------------|-----------------|------------------|
| | | Kozhikode | Wayanad(N) | Wayanad(S) | Kannur | Kasargod | |
| 1 | Teak | - | 483.700 | 2330.050 | 406.020 | 800.950 | 4020.724 |
| 2 | Teak - Elavu | - | 1017.030 | - | 2319.430 | - | 3336.460 |
| 3 | Mahogani | - | 62.040 | - | 73.890 | 159.650 | 295.578 |
| 4 | Sandalwood | - | - | - | - | 57.720 | 57.720 |
| 5 | Casuarina | - | - | - | - | 86.240 | 86.240 |
| 6 | Hardwood Miscellaneous | - | - | 4.000 | - | - | 4.000 |
| 7 | Silver Oak | - | 15.920 | 474.840 | - | - | 490.760 |
| 8 | Matti | - | 78.310 | - | - | - | 78.310 |
| 9 | Kumbil | - | - | - | - | 20.960 | 20.960 |
| 10 | Softwood Miscellaneous | - | 135.310 | 29.900 | 533.220 | - | 698.425 |
| 11 | Northern Black wattle (Acacia) | - | 192.800 | 357.490 | - | 76.220 | 626.509 |
| 12 | Mangium | - | 65.000 | - | 238.830 | 21.000 | 324.830 |
| 13 | Blue Gum (Eucalyptus) | - | 201.640 | 691.780 | - | - | 893.420 |
| 14 | Wattle | - | 1.000 | - | - | - | 1.000 |
| 15 | Bamboo | - | 319.000 | 280.000 | 10.000 | - | 609.000 |
| 16 | Reeds | - | 36.000 | 82.460 | - | - | 118.460 |
| 17 | Rattans | - | 195.600 | 40.000 | 89.000 | - | 324.600 |
| 18 | Cashew | - | 12.140 | - | 107.250 | 1127.715 | 1247.105 |
| 19 | Pepper | - | 30.000 | - | - | - | 30.000 |
| 20 | Medicinal Plants | - | 237.820 | 70.141 | 62.000 | - | 369.961 |
| 21 | Mangrove | - | - | - | 251.980 | 76.090 | 328.068 |
| 22 | Eco-Restoration Plantation Area | 90.620 | 10.000 | - | - | - | 100.620 |
| 23 | Mixed Miscellaneous Plantations | - | 1460.560 | 5738.450 | 727.280 | 186.100 | 8112.390 |
| | TOTAL | 90.620 | 4553.870 | 10099.108 | 4818.900 | 2612.639 | 22175.137 |

| Sl. No | Name of Species | Wildlife & Social Forestry | | | | Total |
|--------|---------------------------------|----------------------------|----------------|-----------------|----------------|-----------------|
| | | TVM WL | Silent Vally | Peechi | NSC Kalady | |
| 1 | Teak | 42.580 | 437.300 | 691.890 | 162.217 | 1333.987 |
| 2 | Teak - Elavu | - | - | 599.740 | - | 599.737 |
| 3 | Hardwood Miscellaneous | - | 139.000 | - | - | 139.000 |
| 4 | Siris (Albezia) | 54.540 | - | - | - | 54.540 |
| 5 | Northern Black wattle (Acacia) | 58.500 | - | - | -13.400 | 71.900 |
| 6 | Blue Gum (Eucalyptus) | 44.200 | 57.890 | - | - | 102.090 |
| 7 | Bamboo | 102.540 | - | - | 23.500 | 126.040 |
| 8 | Rattans | 10.000 | - | - | - | 10.000 |
| 9 | Cashew | - | - | 35.000 | 42.850 | 77.850 |
| 10 | Rubber | 42.100 | - | - | - | 42.100 |
| 11 | Medicinal Plants | 32.000 | - | 4.000 | 21.250 | 57.250 |
| 12 | Mixed Miscellaneous Plantations | 51.060 | - | 1119.150 | 337.910 | 1508.120 |
| | TOTAL | 437.522 | 634.190 | 2449.774 | 601.127 | 4122.613 |

New plantations raised under various schemes during 2023-24.

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 2023-24 are listed in the table below.

Table - 1.16
New plantations raised under various schemes

| Sl. No. | Scheme | Circle | Division | Area (Ha) |
|---------|-------------------|----------------|--------------|--------------|
| 1 | Hard Wood Species | Eastern Circle | Mannarkkad | 10.00 |
| | | | Nilambur (N) | 10.50 |
| | | | Nilambur (S) | 21.70 |
| | Sub Total | | | 42.20 |

| Sl. No. | Scheme | Circle | Division | Area (Ha) |
|--------------------|---------------------------------------|-------------------|--------------------|------------------|
| 2 | Teak Revolving Fund (TRF) | Southern Circle | Konni | 42.40 |
| | | | Thenmala | 21.50 |
| | | Eastern Circle | Nilambur (N) | 9.20 |
| Sub Total | | | | 73.10 |
| 3 | Kerala Forest Development Fund (KFDF) | Eastern Circle | Palakkad | 5.12 |
| | | | | Sub Total |
| 4 | RKDP Area (GAP Planting) | High Range Circle | Kothamangalam | 3.00 |
| | | | | Sub Total |
| 5 | CAMPA | High Range Circle | Kottayam | 2.30 |
| | | | Eastern Circle | Nilambur (S) |
| | | Northern Circle | Wayanad (N) | 7.00 |
| Sub Total | | | | 24.30 |
| 6 | Pulpwood Revolving Fund (PRF) | Southern Circle | Punalur | 1.01 |
| | | | Achenkovil | 30.00 |
| | | Sub Total | | |
| 7 | NWFP | Eastern Circle | Palakkad | 2.00 |
| | | | | Sub Total |
| 8 | NABARD-RIDF | Southern Circle | Thiruvananthapuram | 36.08 |
| | | | Thenmala | 25.00 |
| | | Central Circle | Thrissur | 101.00 |
| | | Eastern Circle | Nenmara | 24.58 |
| Northern Circle | Kasargode | 32.59 | | |
| Sub Total | | | | 219.25 |
| 9 | Nagaravanam Yojana | High Range Circle | Kothamangalam | 4.50 |
| | | | Northern Circle | Kozhikkode |
| | | Sub Total | | |
| 10 | GIM (Green India Mission) | High Range Circle | Munnar | 10.00 |
| | | | Northern Circle | Wayanad (N) |
| | | Kozhikkode | | 1.04 |
| Sub Total | | | | 25.04 |
| Grand Total | | | | 430.52 |

Table - 1.17
Circle-wise new plantations raised under various schemes

| Name of Circle | Division | Name of Scheme | Name of Plantation | Area (Ha) |
|-------------------|--------------------|-------------------|---|---------------|
| Southern Circle | Konni | TRF | 2023 TP Kaikunnam | 29.82 |
| | | | 2023 TP Paranthodu | 12.58 |
| | Thenmala | TRF | 2023 TP Kattilappara | 5.00 |
| | | | 2023 TP Kulathupuzha | 7.50 |
| | | | 2023 TP Rajakoppu | 9.00 |
| | Punalur | PRF | 2001 Accasia mangium plantation, Uppukuzhi, Chaliyakkara | 25.00 |
| | | | Mukkadavu | 0.11 |
| | Achankovil | PRF | Konkal | 0.90 |
| | | | 2023 TP Mlanthadom | 15.00 |
| | Thiruvananthapuram | NABARD-RIDF | 2023 TP Pallimundan | 15.00 |
| | | | 2011 Accasia Auriculiformis plantation, Kundalamkuzhi | 15.00 |
| | | | 2012 Accasia Auriculiformis plantation, Kundalamkuzhi | 15.08 |
| | | | 2012 Accasia Auriculiformis plantation, Kuttapara | 6.00 |
| Sub Total | | | | 155.99 |
| High Range Circle | Kottayam | CAMPA | Compansatory Afforotation works 1965 karikkattor, plachery forest staion (misc. Species) | 0.80 |
| | | | Compansatory Afforotation works Pulikunnu area vandanvathl forest staion (misc . Species) | 1.50 |
| | Kothamangalam | Nagarvanam yojana | Edavatty (Thodupuzha range) | 3.00 |
| | | | Thalakode depot (Kothamangalam range) | 1.50 |
| | Munnar | GIM | RKDP Area (Gap planning) | 3.00 |
| | | | Kaithappara, Manayathadam, Madathihotty (Thodupuzha range) | 3.00 |
| Sub Total | | | | 19.80 |
| Central Circle | Thrissur | NABARD-RIDF | Raising 2023-Kantanchira bit I ecorestoration planting | 18.00 |
| | | | Raising 2023-Kantanchira bit II ecorestoration planting | 26.00 |
| | | | Raising 2023-Kodumbu ecorestoration planting | 13.00 |
| | | | Raising 2023-Nelluwai ecorestoration planting | 24.00 |
| | | | Raising 2023-Arisseri ecorestoration planting | 20.00 |
| Sub Total | | | | 101.00 |

| Name of Circle | Division | Name of Scheme | Name of Plantation | Area (Ha) |
|--------------------|----------------|---------------------|---|---------------|
| Eastern Circle | Nilambur North | TRF | 2023 Edakkode Narukal bit I under Edakkode FS under Edavanna range | 9.20 |
| | | HWS | 2023 Edakkode Narukal bit II under Edakkode FS under Edavanna range | 10.50 |
| | Nilambur South | HWS | 2023 TP Mundakadavu under Karulai range | 21.70 |
| | | CAMPA | Ecorestoration 2003 churalipotty TP | 15.00 |
| | Mannarkkad | HWS | 2023 TP Pottikal under Attapady range | 10.00 |
| | Palakkad | KFDF | Ecorestoration by planting RET species | 5.12 |
| | | NWFP | Medicinal planting at Muttikulangara | 1.00 |
| | | | Kallparambu mixed plantation | 1.00 |
| | Nenmara | NABARD-RIDF | Vallaramkadavu ERZ | 6.28 |
| | | | Chemmanampathy ERZ (Bit I) | 8.00 |
| | | | Chappakaddu ERZ | 2.30 |
| | | | Seetharkundu ERZ | 1.50 |
| | | | Chemmanampathy ERZ (Bit II) | 5.00 |
| | | Vellapparakunnu ERZ | 1.50 | |
| Sub Total | | | | 98.10 |
| Northern Circle | Kazargod | NABARD-RIDF | Kayyani palntation Misc plantation | 10.48 |
| | | | Vellacherry plantation Misc plantation | 3.50 |
| | | | Balavanthudukka plantation Misc plantation | 2.11 |
| | | | Kattipalam Plantation Misc plantation | 16.50 |
| | North Wayanad | GIM | Olenchery Mis Gap plantation | 10.00 |
| | | | Mladi Misc Gap plantation | 4.00 |
| | | CAMPA | Pannimukkumthara | 4.00 |
| | | | Theerthavukunnu | 3.00 |
| | Kozhikode | Nagarvanam | Mangrooves | 1.00 |
| | | GIM | Bamboo | 1.04 |
| Sub Total | | | | 55.63 |
| Grand Total | | | | 430.52 |

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 - 1.18
Species-wise plantation area of KFDC as on 31.03.2024

| Sl. No. | Speceis | Area (Ha) |
|--------------|--|-----------------|
| 1 | Teak | 1387.890 |
| 2 | Northern black wattle/ Mangium/Northern wattle | 1741.837 |
| 3 | Blue gum (Eucalyptus) | 2598.821 |
| 4 | Cardamom | 994.710 |
| 5 | Mahogany | 9.400 |
| 6 | Bamboo | 739.576 |
| 7 | Malaveppu (Melia Dubia) | 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 | Alnus | 1.000 |
| 15 | Sandal wood | 17.970 |
| 16 | Red Sanders | 80.977 |
| 17 | Siris (Albizia) | 60.670 |
| 18 | Kumbil (Gmelina) | 53.084 |
| 19 | Kanala | 2.000 |
| 20 | Kadambu | 2.000 |
| 21 | Pine | 18.080 |
| 22 | Miscellaneous | 27.650 |
| TOTAL | | 8931.183 |

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.

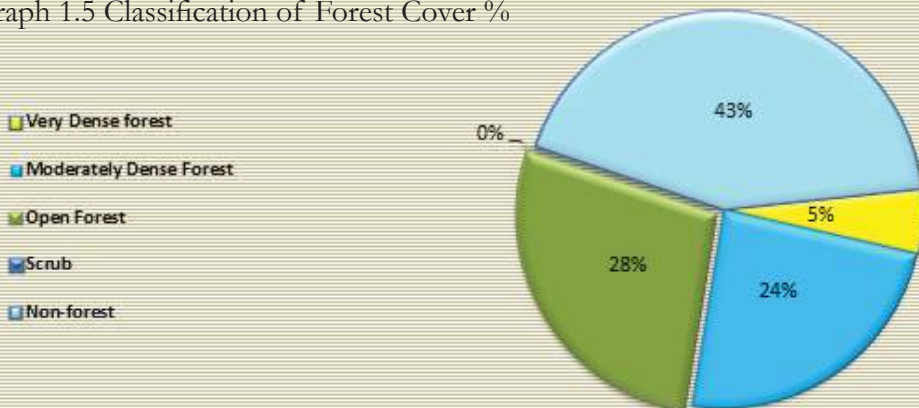
Table - 1.19
Forest cover classified in terms of canopy density classes

| 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.(includes water) |

Table - 1.20
Classification of forest cover as per ISFR 2023

| Class | Forest cover (km ²) | Forest cover (% 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 | 29 | 0.06 |
| Non-forest | 16771 | 43.17 |

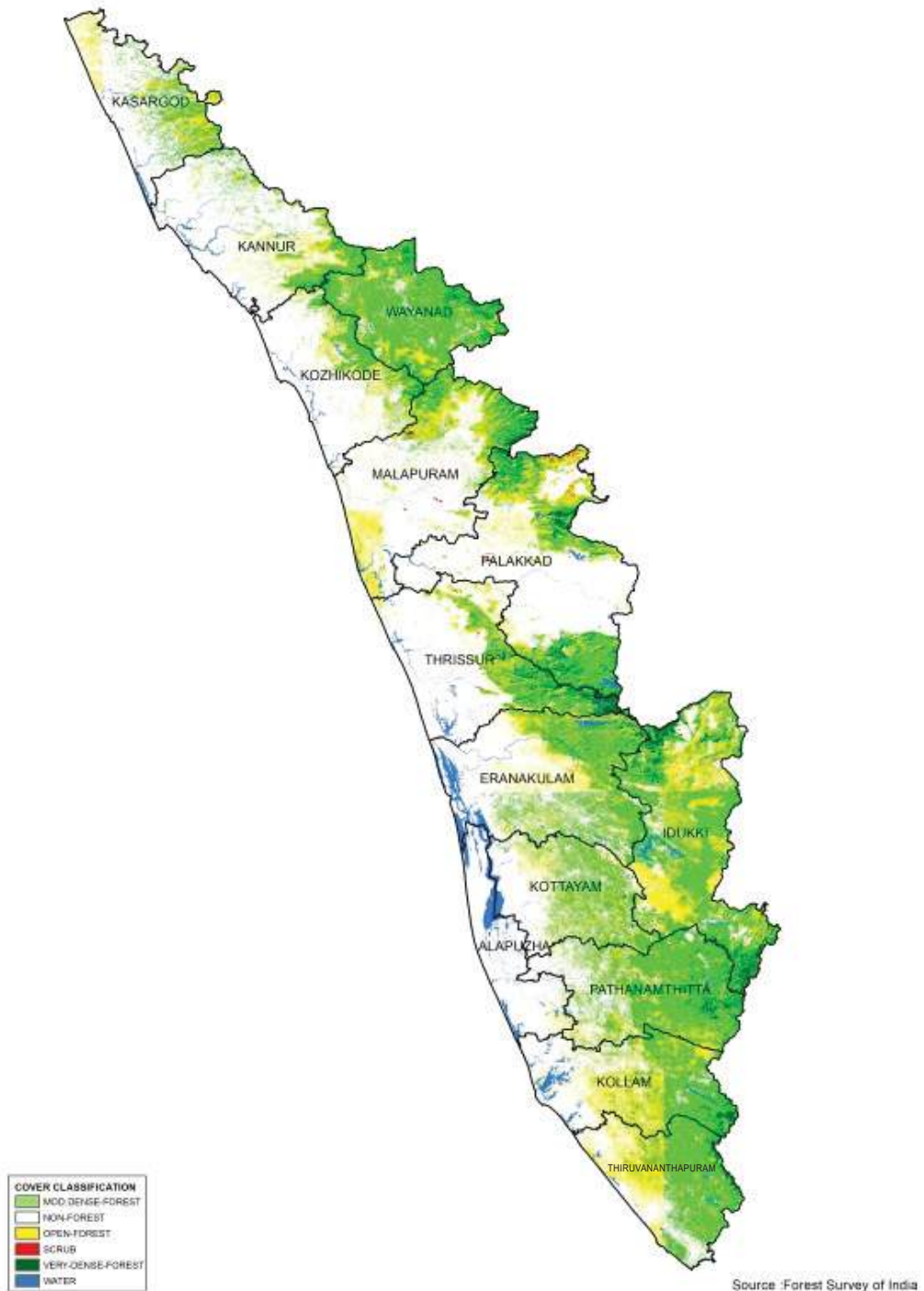
Graph 1.5 Classification of Forest Cover %



*Includes 9.45 sq. km. under Mangrove Cover Percentage rounded off.

Source: ISFR2023

DISTRICT WISE FOREST COVER OF KERALA



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 - 1.21
District-wise forest cover (area in km²)

| District | Geographic Area | 2023 Assessment | | | | Total Forest Cover 2021* | Change w.r.t 2021 assessment | Scrub |
|---------------------------------|-----------------|-------------------|-------------------------|-----------------|-------------------------|--------------------------|------------------------------|--------------|
| | | Very Dense Forest | Moderately Dense Forest | Open Forest | Total Forest Cover 2023 | | | |
| Thiruvananthapuram ^H | 2189 | 63.49 | 700.46 | 630.52 | 1394.47 | 1384.38 | 10.09 | 0.08 |
| Kollam ^H | 2483 | 10.35 | 484.39 | 701.84 | 1196.58 | 1184.46 | 12.12 | 0.00 |
| Pathanamthitta | 2652 | 104.97 | 635.14 | 616.37 | 1356.48 | 1352.25 | 4.23 | 0.15 |
| Alappuzha | 1415 | 0.00 | 20.01 | 120.91 | 140.92 | 141.53 | -0.61 | 0.00 |
| Kottayam | 2206 | 73.71 | 406.62 | 863.44 | 1343.77 | 1350.87 | -7.10 | 0.85 |
| Idukki ^H | 4356 | 399.27 | 1808.42 | 1003.23 | 3210.92 | 3205.86 | 5.06 | 0.03 |
| Ernakulam ^H | 3063 | 190.46 | 631.53 | 647.02 | 1469.01 | 1471.01 | -2.00 | 0.54 |
| Thrissur | 3027 | 244.63 | 469.92 | 575.48 | 1290.03 | 1279.24 | 10.79 | 0.00 |
| Palakkad ^H | 4482 | 164.07 | 1189.59 | 693.17 | 2046.83 | 2023.65 | 23.18 | 0.68 |
| Malappuram ^H | 3554 | 406.21 | 617.79 | 1140.83 | 2164.83 | 2161.31 | 3.52 | 12.01 |
| Kozhikode ^H | 2345 | 142.16 | 415.56 | 1324.34 | 1882.06 | 1873.19 | 8.87 | 6.75 |
| Wayanad ^H | 2130 | 183.83 | 1207.98 | 201.53 | 1593.34 | 1592.89 | 0.45 | 0.61 |
| Kannur ^H | 2961 | 57.64 | 493.12 | 1281.33 | 1832.09 | 1803.43 | 28.66 | 0.10 |
| Kasaragode ^H | 1989 | 0.38 | 241.29 | 896.36 | 1138.03 | 1101.87 | 36.16 | 0.08 |
| State Total | 38852 | 2041.17 | 9321.82 | 10696.37 | 22059.36 | 21925.94 | 133.42 | 21.88 |

H - Hill District

*Revised Forest Cover

Source: ISFR 2023

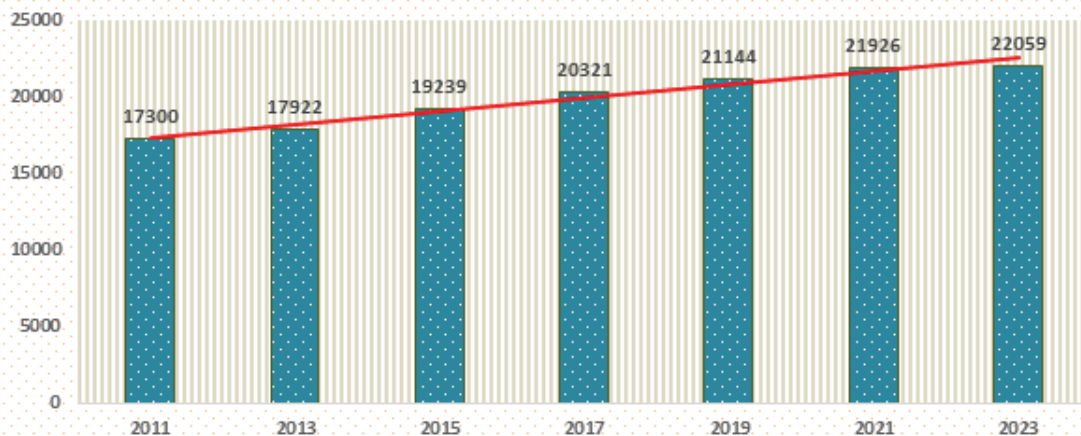
Graph 1.6 District - wise Forest Cover in Kerala (in km²)



Table - 1.22
Forest cover in Kerala from 2011 to 2023

| Year | 2011 | 2013 | 2015 | 2017 | 2019 | 2021 | 2023 |
|-----------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Forest Cover(in km ²) | 17300 | 17922 | 19239 | 20321 | 21144 | 21926 | 22059 |

Graph 1.7 Decadal Trend of Forest Cover: 2013 to 2024 (in km²)



Over the last 7 biennial assessments, the forest cover of the state has shown an increasing trend. The forest cover has risen from 17300 km² in the year 2011 assessment to 22059 km² as per the 2023 assessment, an increase of 4759 km².

Forest and Tree Cover

The India State of Forest Report (ISFR) 2023 presents an overall positive trend in the country's forest and tree cover. As per the report, India's total forest and tree cover together accounts for about 25% of the country's geographical area, reflecting gradual improvement over the years. Forest cover includes areas recorded as forests with canopy density above the prescribed limit, while tree cover refers to trees outside recorded forest areas such as in agricultural lands, urban areas, and along roads and canals.

The report highlights that tree cover plays an increasingly important role in enhancing overall green cover, carbon sequestration, and climate resilience. It also emphasizes the need for continued conservation, afforestation, and sustainable forest management to meet national environmental and climate goals.

As per the latest state-wise forest statistics, Kerala has a geographical area of 38,852 sq km, out of which 22,059.36 sq km is under forest cover and 2,905.94 sq km under tree cover. The combined forest and tree cover amounts to 24,965.30 sq km, constituting 64.26% of the State's total geographical area. This reflects Kerala's strong forest and green cover base compared to many other states in the country.

Table - 1.23
Forest and Tree Cover Status across States / UTs

| State /UT | Geographical Area (km ²) | Total Forest Cover(km ²) | Tree Cover (km ²) | Forest Cover including Tree Cover (km ²) | Percentage of Forest and Tree Cover to GA |
|-------------------|--------------------------------------|--------------------------------------|-------------------------------|--|---|
| Andhra Pradesh | 162,922.57 | 30,084.96 | 5,340.02 | 35,424.98 | 21.74 |
| Arunachal Pradesh | 83,743.22 | 65,881.57 | 1,201.63 | 67,083.20 | 80.11 |
| Assam | 78,438.00 | 28,313.55 | 2,101.46 | 30,415.01 | 38.78 |
| Bihar | 94,163.00 | 7,532.45 | 2,370.21 | 9,902.66 | 10.52 |
| Chhattisgarh | 135,192.00 | 55,811.75 | 6,538.70 | 62,350.45 | 46.12 |
| Delhi | 1,483.00 | 195.28 | 176.03 | 371.31 | 25.04 |
| Goa | 3,702.00 | 2,265.72 | 257.82 | 2,523.54 | 68.17 |
| Gujarat | 196,244.00 | 15,016.64 | 6,632.29 | 21,648.93 | 11.03 |
| Haryana | 44,212.00 | 1,614.26 | 1,693.02 | 3,307.28 | 7.48 |
| Himachal Pradesh | 55,673.00 | 15,580.35 | 855.07 | 16,435.42 | 29.52 |
| Jharkhand | 79,716.00 | 23,765.78 | 3,637.55 | 27,403.33 | 34.38 |

| State /UT | Geographical Area (km ²) | Total Forest Cover (km ²) | Tree Cover (km ²) | Forest Cover including Tree Cover (km ²) | Percentage of Forest and Tree Cover to GA |
|--------------------------------------|--------------------------------------|---------------------------------------|-------------------------------|--|---|
| Karnataka | 191,791.00 | 39,254.27 | 7,779.15 | 47,033.42 | 24.52 |
| Kerala | 38,852.00 | 22,059.36 | 2,905.94 | 24,965.30 | 64.26 |
| Madhya Pradesh | 308,252.11 | 77,073.44 | 8,650.14 | 85,723.58 | 27.81 |
| Maharashtra | 307,713.00 | 50,858.53 | 14,524.88 | 65,383.41 | 21.25 |
| Manipur | 22,327.00 | 16,585.46 | 209.82 | 16,795.28 | 75.22 |
| Meghalaya | 22,429.00 | 16,966.84 | 720.56 | 17,687.40 | 78.86 |
| Mizoram | 21,081.00 | 17,990.46 | 567.80 | 18,558.26 | 88.03 |
| Nagaland | 16,579.00 | 12,222.47 | 394.02 | 12,616.49 | 76.10 |
| Odisha | 155,707.00 | 52,433.56 | 6,163.45 | 58,597.01 | 37.63 |
| Punjab | 50,362.00 | 1,846.09 | 1,475.15 | 3,321.24 | 6.59 |
| Rajasthan | 342,238.99 | 16,548.21 | 10,841.12 | 27,389.33 | 8.00 |
| Sikkim | 7,096.00 | 3,358.40 | 48.33 | 3,406.73 | 48.01 |
| Tamil Nadu | 130,060.00 | 26,450.22 | 5,370.72 | 31,820.94 | 24.47 |
| Telangana | 112,122.44 | 21,179.04 | 3,517.66 | 24,696.70 | 22.03 |
| Tripura | 10,486.00 | 7,584.77 | 247.56 | 7,832.33 | 74.69 |
| Uttar Pradesh | 240,927.56 | 15,045.80 | 8,950.92 | 23,996.72 | 9.96 |
| Uttarakhand | 53,483.36 | 24,303.83 | 1,231.14 | 25,534.97 | 47.74 |
| West Bengal | 88,752.00 | 16,832.33 | 2,938.12 | 19,770.45 | 22.28 |
| A & N Islands | 8,249.00 | 6,732.92 | 26.97 | 6,759.89 | 81.95 |
| Chandigarh | 114.00 | 25.00 | 21.18 | 46.18 | 40.51 |
| Dadra & Nagar Haveli and Daman & Diu | 602.00 | 225.62 | 36.83 | 262.45 | 43.60 |
| Jammu & Kashmir** | 222,236.00 | 21,346.39 | 3,666.97 | 25,013.36 | 12.69 |
| Ladakh** | | 2,285.92 | 893.02 | 3,178.94 | |
| Lakshadweep | 29.63 | 27.06 | 0.20 | 27.26 | 92.00 |
| Puducherry | 490.00 | 44.31 | 28.89 | 73.20 | 14.94 |
| Total | 3,287,468.88 | 715,342.61 | 112,014.34 | 827,356.95 | 25.17 |

Source :ISFR 2023

Recorded Forest Areas (RFAs) in States and UTs

The 'recorded forest area' (RFA) (or forest area) refers to all the geographic area recorded as 'forest' in government records. The 'recorded forest area' largely consists of the 'Reserved Forests' (RF) and the 'Protected Forests' (PF), constituted under the provisions of the Indian Forest Act, 1927. The state and Union Territory-wise recorded forest area is given below.

Table - 1.24
Recorded Forest Areas (RFAs) in States and UTs

| Sl. No | State/ UTs | Notified Geographical Area (GA) (km ²) | RFA (in different categories) | | | Total RFA (2023) | % of GA |
|--------|--------------------------------------|--|-------------------------------|--------|--------------------|------------------|---------|
| | | | RF | PF | Unclassed Forests* | | |
| 1 | Andhra Pradesh | 162,923 | 31,959 | 5,069 | 230 | 37,258 | 22.87 |
| 2 | Arunachal Pradesh | 83,743 | 12,371 | 11,857 | 27,312 | 51,540 | 61.55 |
| 3 | Assam | 78,438 | 17,864 | 0 | 8,972 | 26,836 | 34.21 |
| 4 | Bihar | 94,163 | 693 | 6,183 | 566 | 7,442 | 7.90 |
| 5 | Chhattisgarh | 135,192 | 25,899 | 24,554 | 9,363 | 59,816 | 44.25 |
| 6 | Delhi | 1,483 | 85 | 13 | 6 | 104 | 7.01 |
| 7 | Goa | 3,702 | 119 | 755 | 397 | 1,271 | 34.33 |
| 8 | Gujarat | 196,244 | 14,574 | 2,898 | 4,398 | 21,870 | 11.14 |
| 9 | Haryana | 44,212 | 249 | 1,158 | 152 | 1,559 | 3.53 |
| 10 | Himachal Pradesh | 55,673 | 1,883 | 28,887 | 7,178 | 37,948 | 68.16 |
| 11 | Jharkhand | 79,716 | 4,500 | 18,922 | 1,696 | 25,118 | 31.51 |
| 12 | Karnataka | 191,791 | 28,690 | 3,931 | 5,663 | 38,284 | 19.96 |
| 13 | Kerala | 38,852 | 11,522 | 0 | 0 | 11,522 | 29.66 |
| 14 | Madhya Pradesh | 308,252 | 61,886 | 31,098 | 1,705 | 94,689 | 30.72 |
| 15 | Maharashtra | 307,713 | 50,865 | 6,433 | 4,654 | 61,952 | 20.13 |
| 16 | Manipur | 22,327 | 1,926 | 3,254 | 12,238 | 17,418 | 78.01 |
| 17 | Meghalaya | 22,429 | 1,125 | 12 | 8,371 | 9,508 | 42.39 |
| 18 | Mizoram | 21,081 | 4,499 | 1,823 | 1,157 | 7,479 | 35.48 |
| 19 | Nagaland | 16,579 | 234 | 9 | 8,389 | 8,632 | 52.07 |
| 20 | Odisha | 155,707 | 36,049 | 25,133 | 22 | 61,204 | 39.31 |
| 21 | Punjab | 50,362 | 44 | 1,137 | 1,903 | 3,084 | 6.12 |
| 22 | Rajasthan | 342,239 | 12,176 | 18,588 | 2,105 | 32,869 | 9.60 |
| 23 | Sikkim | 7,096 | 5,452 | 389 | 0 | 5,841 | 82.31 |
| 24 | Tamil Nadu | 130,060 | 20,523 | 1,053 | 1,612 | 23,188 | 17.83 |
| 25 | Telangana | 112,122 | 25,800 | 1,592 | 296 | 27,688 | 24.69 |
| 26 | Tripura | 10,486 | 3,588 | 2 | 2,705 | 6,295 | 60.03 |
| 27 | Uttar Pradesh** | 240,928 | 11,571 | 330 | 5,534 | 17,435 | 7.24 |
| 28 | Uttarakhand | 53,483 | 26,547 | 9,885 | 1,568 | 38,000 | 71.05 |
| 29 | West Bengal | 88,752 | 7,054 | 3,778 | 1,053 | 11,885 | 13.39 |
| 30 | A & N Islands | 8,249 | 5,613 | 1,558 | 0 | 7,171 | 86.93 |
| 31 | Chandigarh | 114 | 32 | 0 | 3 | 35 | 30.70 |
| 32 | Dadra & Nagar Haveli and Daman & Diu | 602 | 206 | 5 | 6 | 217 | 36.05 |

| Sl. No | State/ UTs | | Notified Geographical Area (GA) (km ²) | RFA (in different categories) | | | Total RFA (2023) | % of GA |
|--------------|-----------------|------------------------------|--|-------------------------------|----------------|--------------------|------------------|--------------|
| | | | | RF | PF | Unclassed Forests* | | |
| 33 | Jammu & Kashmir | Shapefile Area*** (54,633) | 222,236 | 17,648 | 2,551 | 0 | 20,199 | 9.09 |
| 34 | Ladakh | Shapefile Area*** (1,68,055) | | 7 | 0 | 0 | 7 | - |
| 35 | Lakshadweep | | 30 | 0 | 0 | 0 | 0 | - |
| 36 | Puducherry | | 490 | 0 | 2 | 11 | 13 | 2.65 |
| Total | | | 3,287,469 | 443,253 | 212,859 | 119,265 | 775,377 | 23.59 |

Source: State / UTs Forest Departments

* Unclassed Forest includes all forest other than Reserve Forest and Protected Forest as reported by State / UTs Forest Departments.

** In case of Uttar Pradesh, the RFA excludes 9,662.76 km of linear plantations along Road, Railway line and Canal.

*** Area of shape file provided by Survey of India (August 2021).

Source: ISFR 2023

In 2023, Kerala has a total geographical area of 38,852 km², out of which 11,522 km² is recorded as forest area, constituting 29.66% of the State's area. In comparison, India has a total geographical area of 3,287,469 km², with 775,377 km² under recorded forest area, accounting for 23.59% of the country's area. This indicates that Kerala has a higher proportion of forest area compared to the national average.

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)

Protected Area

Protected areas in Kerala host the highest species diversity in the state. Kerala has six 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 - 1.26
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 | AnamudiSholaNational Park | 7.500 | 2003 |
| 5 | MathikettanShola National Park | 12.817 | 2003 |
| 6 | PambadumShola National Park | 1.318 | 2003 |
| WILDLIFE SANCTUARIES | | | |
| 1 | PeriyarWLS * | 777.000 | 1950 |
| 2 | Neyyar Wildlife Sanctuary | 128.000 | 1958 |
| 3 | Peechi - Vazhani Wildlife Sanctuary | 125.000 | 1958 |
| 4 | ParambikulamWLS ** | 285.000 | 1973 |
| 5 | Wayanad Wildlife Sanctuary | 344.482 | 1973 |
| 6 | Idukki Wildlife Sanctuary | 105.364 | 1976 |
| 7 | Peppara Wildlife Sanctuary | 53.000 | 1983 |
| 8 | Thattekkad Bird Sanctuary | 25.000 | 1983 |
| 9 | Shenduruney Wildlife Sanctuary | 172.403 | 1984 |
| 10 | Chinnar Wildlife Sanctuary | 90.440 | 1984 |
| 11 | Chimmony Wildlife Sanctuary | 114.600 | 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 | 74.427 | 2009 |
| 17 | Kottiyoor Wildlife Sanctuary | 30.380 | 2011 |
| 18 | Karimpuzha Wildlife Sanctuary | 227.970 | 2019 |

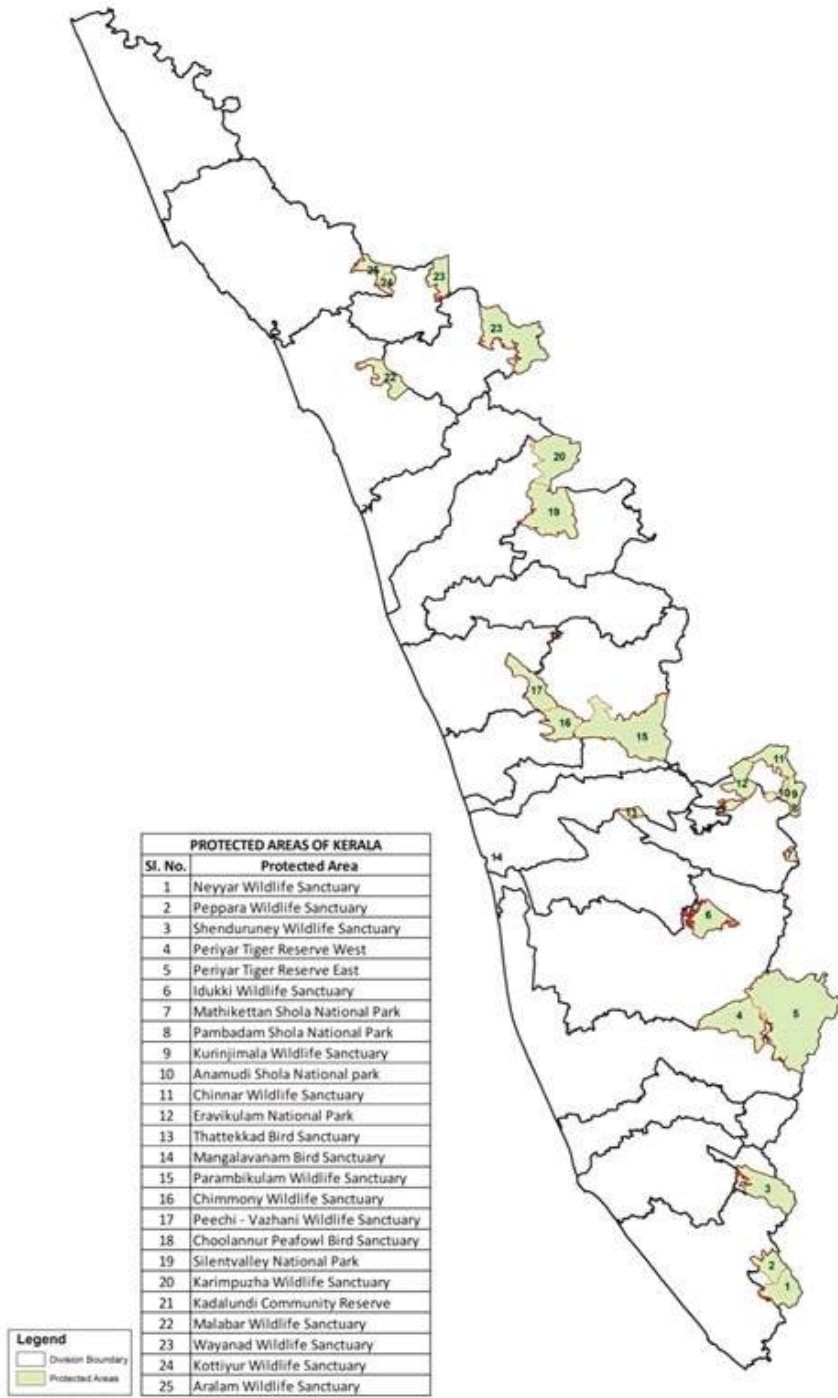
| Sl. No. | Name | Area (km ²) | Year of formation |
|--------------------------|--|-------------------------|-------------------|
| TIGER RESERVE | | | |
| 1 | Periyar Tiger Reserve | 925.675 | 2007 |
| 2 | Parambikulam Tiger Reserve | 643.660 | 2009 |
| ELEPHANT RESERVE | | | |
| 1 | Wayanad Elephant 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 | 1.538 | 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 - 1.27
Status of Management Plan

| Sl. No. | Name | Area (km ²) | Period |
|--------------|--|-------------------------|------------------------|
| 1 | Eravikulam National Park | 97.000 | 2022 - 23 to 2031-32 |
| 2 | Silent Valley National Park | 89.520 | 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 | 925.675 | 2021 - 22 to 2030 - 31 |
| 7 | Neyyar Wildlife Sanctuary | 128.000 | 2022 - 23 to 2031 - 32 |
| 8 | Peechi - Vazhani Wildlife Sanctuary | 125.000 | 2022 - 23 to 2031 - 32 |
| 9 | Parambikulam Tiger Reserve | 643.660 | 2021 - 22 to 2030 - 31 |
| 10 | Wayanad Wildlife Sanctuary | 344.479 | 2022 - 23 to 2031 - 32 |
| 11 | Idukki Wildlife Sanctuary | 105.364 | 2022 - 23 to 2031 - 32 |
| 12 | Peppara Wildlife Sanctuary | 53.000 | 2022 - 23 to 2031 - 32 |
| 13 | Thattekkad Bird Sanctuary | 25.000 | 2022 - 23 to 2031 - 32 |
| 14 | Shenduruney Wildlife Sanctuary | 172.403 | 2022 - 23 to 2031 - 32 |
| 15 | Chinnar Wildlife Sanctuary | 90.440 | 2022 - 23 to 2031 - 32 |
| 16 | Chimmony Wildlife Sanctuary | 114.600 | 2022 - 23 to 2031 - 32 |
| 17 | Aralam Wildlife Sanctuary | 55.000 | 2022 - 23 to 2031 - 32 |
| 18 | Mangalavanam Bird Sanctuary | 0.027 | 2020 - 21 to 2029 - 30 |
| 19 | Kurinjimala Sanctuary | 32.000 | 2022 - 23 to 2031 - 32 |
| 20 | Choolannur Pea fowl Sanctuary | 3.420 | 2022 - 23 to 2031 - 32 |
| 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 | 2023 - 24 to 2032 - 33 |
| 24 | Karimpuzha Wildlife Sanctuary | 227.97 | 2020 - 21 to 2029 - 30 |
| TOTAL | | 3360.327 | |

Elephant Corridors

Wildlife corridors are essential for mitigating human-wildlife conflict and ensuring the free movement of elephants. Elephants display nomadic and seasonal migratory behavior, 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 - 1.28
List of Elephant corridors

| Sl. No. | Name of the Corridor | Name of Division | Status of Notification | Corridor | | Major land use | Govt/Pvt. Revenue land/ Forest land | 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 | Reserve Forest | Frequent |
| 2 | Nilambur – Kovilakom – New Amarambalam (state corridor) | Nilambur (N) and (S) | No acquisition needed | 1.00 | 0.50 | Forest | Reserve Forest | Frequent |
| 3 | Peria at Pakranthalam (state corridor) | Wayanad (N) | Land to be acquired | 0.50 | 0.20 | Forest, fallow land and settlements | Reserve Forest | 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 | Reserve Forest | Occasional |
| 5 | Nilamboor - Appenkapu | Nilambur (N) | 22.8271 Ha land needed from private parties | 0.40 | 0.50 | Forest bounded land | Pvt. Property | Occasional |
| 6 | Muthumala - Nilambur | Nilambur (S) | acquisition not needed | 3.5 | 0.10 | Forest | Reserve Forest | Occasional |
| 7 | Begoor - Brahmagiri | Wayanad WL | acquisition not needed | 3.00 | 0.10 | Forest | Reserve Forest | Occasional |

Elephant Population Estimation

In 2023, 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 2386 with a density of 0.25 elephants per square kilometer using dung count method.

The estimated number of elephants from dung count method during 2023 along with the estimated elephant populations during previous estimation are given below.

Table - 1.29
Number of elephants from dung count method

| Elephant Reserve | 2007 | | 2010 | | 2012 | | 2017 | | 2023 | |
|------------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|------------|
| | No. | Sex-ratio* | No. | Sex-ratio* | No. | Sex-ratio* | No. | Sex-ratio* | No. | Sex-ratio* |
| Wayanad | 1240 | 1:1.95 | 1155 | 1:1.90 | 1483 | 1:2.24 | 5706 | 1:1.51 | 2386 | |
| Nilambur | 663 | 1:1.44 | 1044 | 1:1.30 | 647 | 1:1.15 | | | | |
| Anamudi | 2505 | 1:4.52 | 2220 | 1:2.10 | 2086 | 1:4.98 | | | | |
| Periyar | 1660 | 1:2.87 | 1758 | 1:1.3 | 1810 | 1:2.30 | | | | |
| TOTAL | 6068 | 1:2.96 | 6177 | 1:1.68 | 6026 | 1:2.71 | 5706 | 1:1.51 | 2386 | |

Source: Elephant Population Estimation 2012- Kerala

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

The estimated number of elephants from block count method during 2023 is 1920.

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 190 in 2018 to 213 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 - 1.30
Tiger population estimation for the last 6 years

| Year | 2002 | 2006 | 2010 | 2014 | 2018 | 2022 |
|--------|------|------|------|------|------|-----------|
| Number | 71 | 46 | 71 | 136 | 190 | 213(SE16) |

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 10 years are given below.

Table - 1.31
Nilgiri Tahr population estimation in EVNP (2014 to 2023)

| Year | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|------------|------|------|------|------|------|------|------|------|------|------|
| Population | 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 - 1.32
Nilgiri Tahr population estimation in Parambikulam Tiger Reserve & Silent Valley National Park in 2020

| Landscape | Division | Number of Nilgiritahr 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 - 1.33
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 | --- |

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 2842 mahouts. As of now, Kerala has 398 captive elephants, with 358 privately owned and 40 under department care. In 2023-24, 16 captive elephant deaths were recorded.

Table - 1.34
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 |
| 358 | 33 | 0 | 7 | 15 | 1 |

Table - 1.35
Division-wise number of departmental elephants

| Sl. No. | Division | Number of elephants |
|--------------|---------------------------------|---------------------|
| 1 | ERC, Kottoor (WL Division Tvpm) | 15 |
| 2 | Konni | 6 |
| 3 | Wayanad Wildlife | 11 |
| 4 | Palakkad | 2 |
| 5 | NSC Kalady | 6 |
| TOTAL | | 40 |

Table - 1.36
Details of departmental elephants

| Division | Sl. No | Name of Elephant | Micro-chip number | Age | Sex | Height (cm) |
|-------------------------------------|--------|------------------|-------------------|-----|--------|-------------|
| ERC, Kottoor (Wildlife, Tvpm) | 1 | Soman | 00065DB7BJ | 82 | 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 | 10 | Male | 237 |
| | 8 | Podichi | 00065ED152 | 9 | Female | 208 |
| | 9 | Hari Krishnan | Not implanted | 31 | Male | 292 |
| | 10 | Aranya | Not implanted | 3 | Female | 145 |
| | 11 | Poorna | 00065EB6C6 | 6 | Female | 186 |
| | 12 | Maya | 00065D7A6E | 6 | Female | 165 |
| | 13 | Manu | 00065EBF4D | 6 | Male | 185 |
| | 14 | Kannan | 00065E9E8C | 5 | Male | 152 |
| | 15 | Amina | Not implanted | 4 | Female | 150 |
| Konni | 16 | Eva | 00065DC7EQ | 23 | Female | 254 |
| | 17 | Krishna | 000658DD68 | 12 | Male | 175 |
| | 18 | Kochayyappan | Not implanted | 3 | Male | 150 |
| | 19 | Meena | 000658C223 | 34 | Female | 266 |
| | 20 | Neelakandan | 00065EA6E9 | 28 | Male | 290 |
| | 21 | Priyadarshini | 00065EA5AF | 41 | Female | 255 |
| Wayanad Wildlife | 22 | Kunju | 000658EF9E | 36 | Male | 294 |
| | 23 | Suryan | 00065DAEE3 | 30 | Male | 284 |
| | 24 | Pramukha | 00065DAF41 | 46 | Makhna | 276 |
| | 25 | Chandranath | 0006E4CA5E | 28 | Male | 272 |
| | 26 | Bharath | 00065EC8A5 | 33 | Male | 263 |
| | 27 | Vikram | Not implanted | 39 | Male | 258 |
| | 28 | Unnikrishnan | 000658B4D6 | 15 | Male | 238 |
| | 29 | Sundari | 00065D78F0 | 14 | Female | 238 |
| | 30 | Chandu | 00065ECBF4 | 8 | Male | 148 |
| | 31 | Surendran | 00065D7F6D | 27 | Male | 292 |
| | 32 | PM2 | Not implanted | 14 | Makhna | 222 |
| Palakkad | 33 | Agasthyan | 000658C214 | 16 | Male | 258 |
| | 34 | PT7 (Dhoni) | Not implanted | 22 | Male | 220 |

| Division | Sl. No | Name of Elephant | Micro-chip number | Age | Sex | Height (cm) |
|----------------------------|--------|------------------|-------------------|-----|--------|-------------|
| Abhayaranyam NSC Kalady | 35 | Hariprasad | 961001000003890 | 47 | Male | 271 |
| | 36 | Sunitha | 00065EAE98 | 53 | Female | 139 |
| | 37 | Asha | 000658E6DD | 23 | Female | 140 |
| | 38 | Parvathy | 00065EB28E | 22 | Female | 141 |
| | 39 | Anjana | 00065EA472 | 19 | Female | 142 |
| | 40 | Peelandy Chandru | 00065ECF0B | 44 | 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 - 1.37
District-wise mangrove details

| Sl 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 |

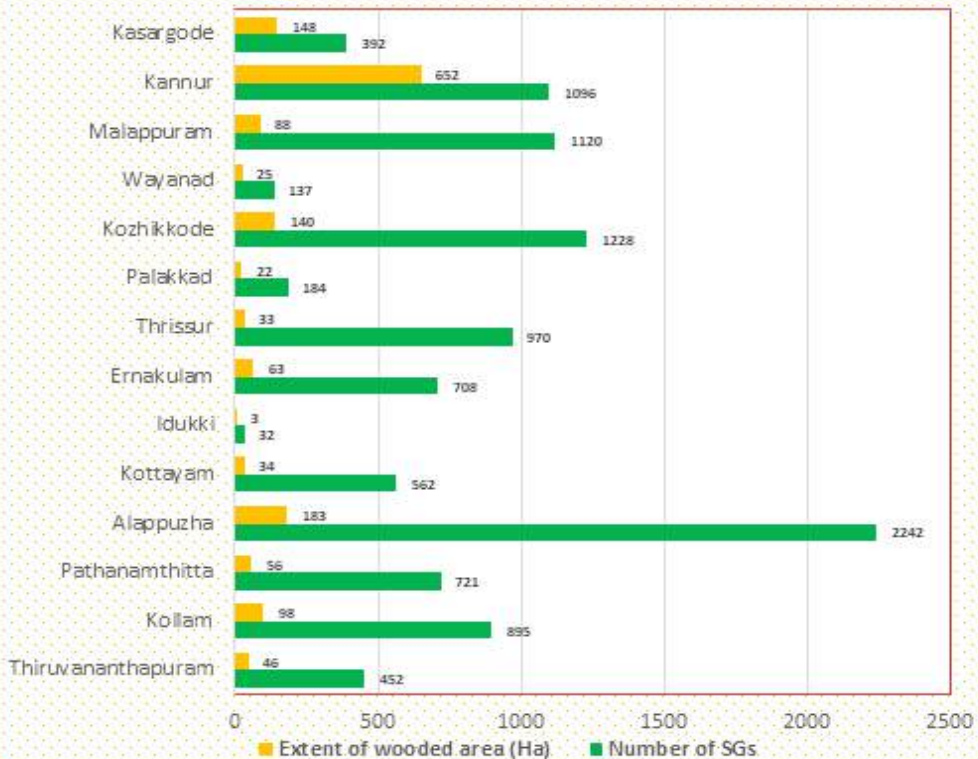
Sacred Groves

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 2023-24, 46 sacred groves were conserved with an allocation of Rs. 7,33,500. 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 - 1.38
District-wise sacred grove details

| Sl 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 |
| 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 |

Graph 1.8 Sacred Groves by District – Count and Extent



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 - 1.39
Details of Myristica swamp area

| Sl 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 - 1.40
Outturn of Major Forest Produce

| Sl. No. | Category | Unit | Quantity | |
|------------------|-------------------|------------------------|------------|----------|
| 1 | Industrial wood | cu.m | 23154.424 | |
| 2 | Sandal wood | kg | 153370.550 | |
| 3 | Plywood | cu.m | 262.785 | |
| 4 | Match wood | cu.m | 262.123 | |
| 5 | Bobbin wood | cu.m | 33.472 | |
| 6 | Pencil wood | cu.m | 13.867 | |
| 7 | Packing case wood | cu.m | 360.326 | |
| 8 | Pulp wood | MT | 16849.607 | |
| Other Categories | | | | |
| | a | Teak Poles | MT | 7751.900 |
| | b | Fire wood | MT | 3620.975 |
| | c | Firewood Miscellaneous | MT | 114.325 |
| | d | Billets | MT | 2215.588 |

Graph 1.9 Industrial Wood Production Trend (2014-15 To 2023-24)



Species-wise receipts of Major Forest Produce

Species-wise receipts of Major forest produce during 2023-24 is shown in below table.

Table - 1.41
Species-wise receipts of Major Forest Produce

| Sl. No. | Species | Unit | Quantity |
|------------------------|-------------------|------|-----------|
| Industrial wood | | | |
| 1 | Teak | cu.m | 19161.210 |
| 2 | Rose wood | cu.m | 105.574 |
| 3 | Mahogany | cu.m | 59.172 |
| 4 | Anjili | cu.m | 804.353 |
| 5 | Kambakom | cu.m | 25.559 |
| 6 | Thembavu | cu.m | 330.829 |
| 7 | Vengai | cu.m | 40.085 |
| 8 | Venteak | cu.m | 142.331 |
| 9 | Jack/ Plavu | cu.m | 49.759 |
| 10 | Manimaruthu | cu.m | 22.370 |
| 11 | Maruthu/Maruthi | cu.m | 1381.804 |
| 12 | Irul | cu.m | 447.776 |
| 13 | Mulluvengai | cu.m | 119.802 |
| 14 | Unnam/Chadachi | cu.m | 179.112 |
| 15 | Thanni | cu.m | 100.974 |
| 16 | Karimthakara | cu.m | 40.382 |
| 17 | Pathiri | cu.m | 0.937 |
| 18 | Poovam | cu.m | 48.611 |
| 19 | Pulivaka | cu.m | 5.620 |
| 20 | Vekkali | cu.m | 8.135 |
| 21 | Mullankaini | cu.m | 2.585 |
| 22 | Thali | cu.m | 1.759 |
| 23 | Albizia/Eyal Vaka | cu.m | 16.145 |
| 24 | Edana | cu.m | 1.760 |
| 25 | Velleetti | cu.m | 10.824 |
| 26 | Bhadraksham | cu.m | 0.241 |
| 27 | Arapuli | cu.m | 13.013 |
| 28 | Arayanjali | cu.m | 14.414 |
| 29 | Chorakkali | cu.m | 1.239 |
| 30 | Pezhu | cu.m | 1.607 |
| 31 | Therakam | cu.m | 0.932 |

| Sl. No. | Species | Unit | Quantity |
|----------------------------|-------------------------|------|------------------|
| 32 | Neervetti | cu.m | 1.172 |
| 33 | Porivatta | cu.m | 0.896 |
| 34 | Kara/Rudraksham | cu.m | 3.736 |
| 35 | Silveroak | cu.m | 9.706 |
| TOTAL | | | 23154.424 |
| 1 | Sandal wood | kg | 153370.550 |
| Plywood | | | |
| 1 | Kulamavu / Ooravu | cu.m | 16.523 |
| 2 | Mavu | cu.m | 6.620 |
| 3 | Redcedar/ Chandanavembu | cu.m | 15.124 |
| 4 | Poon/Punna/Punnappa | cu.m | 22.804 |
| 5 | Cheeni | cu.m | 115.643 |
| 6 | Kumbil | cu.m | 11.674 |
| 7 | Njaval / Njara | cu.m | 3.837 |
| 8 | Vatta | cu.m | 56.801 |
| 9 | Nanku | cu.m | 9.379 |
| 10 | Vellapine | cu.m | 0.465 |
| 11 | Cheru | cu.m | 3.915 |
| TOTAL | | | 262.785 |
| Matchwood | | | |
| 1 | Elavu/Poola | cu.m | 153.061 |
| 2 | Pala / Mukkampala | cu.m | 48.397 |
| 3 | Vaka | cu.m | 56.974 |
| 4 | Matti | cu.m | 3.691 |
| TOTAL | | | 262.123 |
| Bobbinwood | | | |
| 1 | Manjakadambu | cu.m | 6.396 |
| 2 | Akhil/Vellakil | cu.m | 7.390 |
| 3 | Kurangatti | cu.m | 19.686 |
| TOTAL | | | 33.472 |
| Pencil Wood Species | | | |
| 1 | Poochakadambu | cu.m | 0.663 |
| 2 | Mazhamaram | cu.m | 2.614 |

| Sl. No. | Species | Unit | Quantity |
|--------------------------|-------------------------|-------|------------------|
| 3 | Eyyoli | cu.m | 10.590 |
| TOTAL | | | 13.867 |
| Packing case wood | | | |
| 1 | Malaveppu | cu.m | 1.397 |
| 2 | Vetti | cu.m | 0.168 |
| 3 | Payyani | cu.m | 1.464 |
| 4 | Karingazha | cu.m | 10.364 |
| 5 | Uthi | cu.m | 1.166 |
| 6 | Aval | cu.m | 4.670 |
| 7 | Poripoovam | cu.m | 0.162 |
| 8 | Elippa | cu.m | 24.448 |
| 9 | Kanikonna | cu.m | 5.618 |
| 10 | Parakam | cu.m | 2.094 |
| 11 | Vallabham | cu.m | 1.336 |
| 12 | Parakam | cu.m | 2.094 |
| 13 | Malampunna | cu.m | 12.931 |
| 14 | Kadukka | cu.m | 2.756 |
| 15 | Pali | cu.m | 29.462 |
| 16 | Erankol | cu.m | 247.000 |
| 17 | Kariveetti | cu.m | 1.596 |
| 18 | Thellipine | cu.m | 11.600 |
| TOTAL | | | 360.326 |
| Pulpwood | | | |
| 1 | Eucalyptus | tonne | 96.212 |
| 2 | Acacia Auriculiformis | tonne | 15677.019 |
| 3 | Acacia Mangium | tonne | 20.025 |
| 4 | Bamboo | tonne | 563.640 |
| 5 | Reeds | tonne | 492.711 |
| TOTAL | | | 16849.607 |
| Other Categories | | | |
| 1 | Fire wood | tonne | 3620.975 |
| 2 | Fire wood Miscellaneous | tonne | 114.325 |
| 3 | Teak Poles | tonne | 7751.900 |
| 4 | Billets | tonne | 2215.588 |

Table-1.42
Circle-wise details of Major Forest Produce 2023-24 (value Rs. In lakhs)

| Sl 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 | 5414.025 | 4846.635 | 1088.169 | 974.129 | 4018.660 | 3597.504 | 7516.923 | 6729.149 | 1123.433 | 1005.697 | 0.000 | 0.000 | 19161.210 | 17153.115 |
| 2 | Other Timber | M ³ | 1767.307 | 246.277 | 1268.22 | 176.728 | 877.437 | 122.272 | 748.622 | 104.322 | 15.894 | 2.215 | 0.000 | 0.000 | 4677.48 | 651.814 |
| 3 | Teak Poles | M ³ | 1563.811 | 70.074 | 524.398 | 23.498 | 4559.300 | 204.302 | 639.091 | 28.638 | 465.300 | 20.850 | 0.000 | 0.000 | 7751.900 | 347.363 |
| | Total | | 8745.143 | 5162.986 | 2880.787 | 1174.355 | 9455.397 | 3924.078 | 8904.636 | 6862.109 | 1604.627 | 1028.762 | 0.000 | 0.000 | 31590.59 | 18152.292 |
| 1 | Fire Wood | MT | 915.425 | 82.388 | 793.262 | 71.394 | 965.528 | 86.898 | 473.37 | 42.603 | 473.39 | 42.605 | 0.000 | 0.000 | 3620.975 | 325.888 |
| 2 | Billets | MT | 910.737 | 91.074 | 245.681 | 24.568 | 96.120 | 9.612 | 963.050 | 96.305 | 0.000 | 0.000 | 0.000 | 0.000 | 2215.588 | 221.559 |
| 3 | Acacia | MT | 3328.79 | 565.894 | 11.827 | 2.011 | 12319.50 | 2094.315 | 0.000 | 0.000 | 16.898 | 2.873 | 0.000 | 0.000 | 15677.019 | 2665.093 |
| 4 | Manjium | MT | 0.140 | 0.011 | 3.966 | 0.301 | 5.592 | 0.425 | 0.000 | 0.000 | 10.327 | 0.785 | 0.000 | 0.000 | 20.025 | 1.522 |
| 5 | Eucalyptus | MT | 0.000 | 0.000 | 88.829 | 8.883 | 0.000 | 0.000 | 0.000 | 0.000 | 7.383 | 0.738 | 0.000 | 0.000 | 96.212 | 9.621 |
| 6 | Bamboo | MT | 1.250 | 0.083 | 498.200 | 32.881 | 0.000 | 0.000 | 63.190 | 4.171 | 1.000 | 0.066 | 0.000 | 0.000 | 563.640 | 37.201 |
| 7 | Reeds | MT | 7.810 | 0.344 | 0.000 | 0.000 | 322.901 | 14.208 | 0.000 | 0.000 | 0.000 | 0.000 | 162.00 | 7.128 | 492.711 | 21.680 |
| | Total | | 5164.152 | 739.794 | 1641.77 | 140.038 | 13709.641 | 2205.458 | 1499.61 | 143.079 | 508.998 | 47.067 | 162.00 | 7.128 | 22686.17 | 3282.564 |

Table-1.43
Timber statistics from timber sales divisions-2023-24

| 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) | | Amount Released (Rs) | Qty (kg/cum) | | Average price (Rs.) | Amount Released (Rs) |
| | | | | Qty (kg/cum) | Average price (Rs.) | Qty (kg/cum) | Average price (Rs.) | | | | | |
| Name of Species : Teak | | | | | | | | | | | | |
| 1 | TS, TVPM | 860.001 | 4839.720 | 3256.841 | 75918 | 247254130 | 52.221 | 11434 | 5971113 | 2390.659 | | |
| 2 | TS, PNLR | 390.658 | 3783.895 | 2491.755 | 79497 | 198085843 | 72.264 | 133580 | 9652995 | 1610.534 | | |
| 3 | TS, KTM | 78.801 | 650.505 | 334.381 | 240160 | 20813707 | 38.502 | 207832 | 4051829 | 356.055 | | |
| 4 | TS, PMBVR | 2844.926 | 1087.166 | 2134.446 | 76872 | 164079713 | 140.355 | 98838 | 13872424 | 1657.291 | | |
| 5 | TS, PKD | 7302.407 | 5276.365 | 6328 | 85770 | 542756663 | 62.000 | 82354 | 5105992 | 6188.772 | | |
| 6 | TS,KKD | 3743.680 | 1633.874 | 2042.087 | 63982 | 130656595 | 6.550 | 146079 | 956817 | 3328.917 | | |
| Name of Species : Rosewood | | | | | | | | | | | | |
| 1 | TS, PNLR | 9.445 | 23.879 | 33.324 | 89245 | 2260937 | 0.000 | 0.000 | 0.000 | 7.990 | | |
| 2 | TS, KTM | 32.651 | 90.975 | 33.048 | 99888 | 3301099 | 0.000 | 0.000 | 0.000 | 90.578 | | |
| 3 | TS, PMBVR | 2.170 | 23.323 | 12.366 | 78339 | 968746 | 0.000 | 0.000 | 0.000 | 13.127 | | |
| 4 | TS, PKD | 97.839 | 162.506 | 184.939 | 76303 | 14111548 | 0.000 | 0.000 | 0.000 | 75.406 | | |
| 5 | TS,KKD | 266.715 | 117.355 | 52.575 | 193331 | 10164395 | 0.000 | 0.000 | 0.000 | 331.495 | | |
| Name of Species : Miscellaneous | | | | | | | | | | | | |
| 1 | TS, TVPM | 402.140 | 1525.541 | 1437.490 | 11365 | 16337759 | 0.000 | 0.000 | 0.000 | 490.191 | | |
| 2 | TS, PNLR | 11.680 | 1398.832 | 951.430 | 19089 | 9434674 | 0.000 | 0.000 | 0.000 | 459.082 | | |
| 3 | TS, KTM | 104.565 | 317.762 | 328.019 | 31764 | 2535607 | 0.000 | 0.000 | 0.000 | 91.080 | | |
| 4 | TS, PMBVR | 64.280 | 1.935 | 61.814 | 14863 | 918702 | 0.000 | 0.000 | 0.000 | 4.401 | | |
| 5 | TS, PKD | 1954.128 | 891.050 | 1894.516 | 16230 | 30748502 | 0.000 | 0.000 | 0.000 | 950.662 | | |
| 6 | TS,KKD | 1527.635 | 100.155 | 1176.768 | 14437 | 16989369 | 0.000 | 0.000 | 0.000 | 451.022 | | |

Timber Depots

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

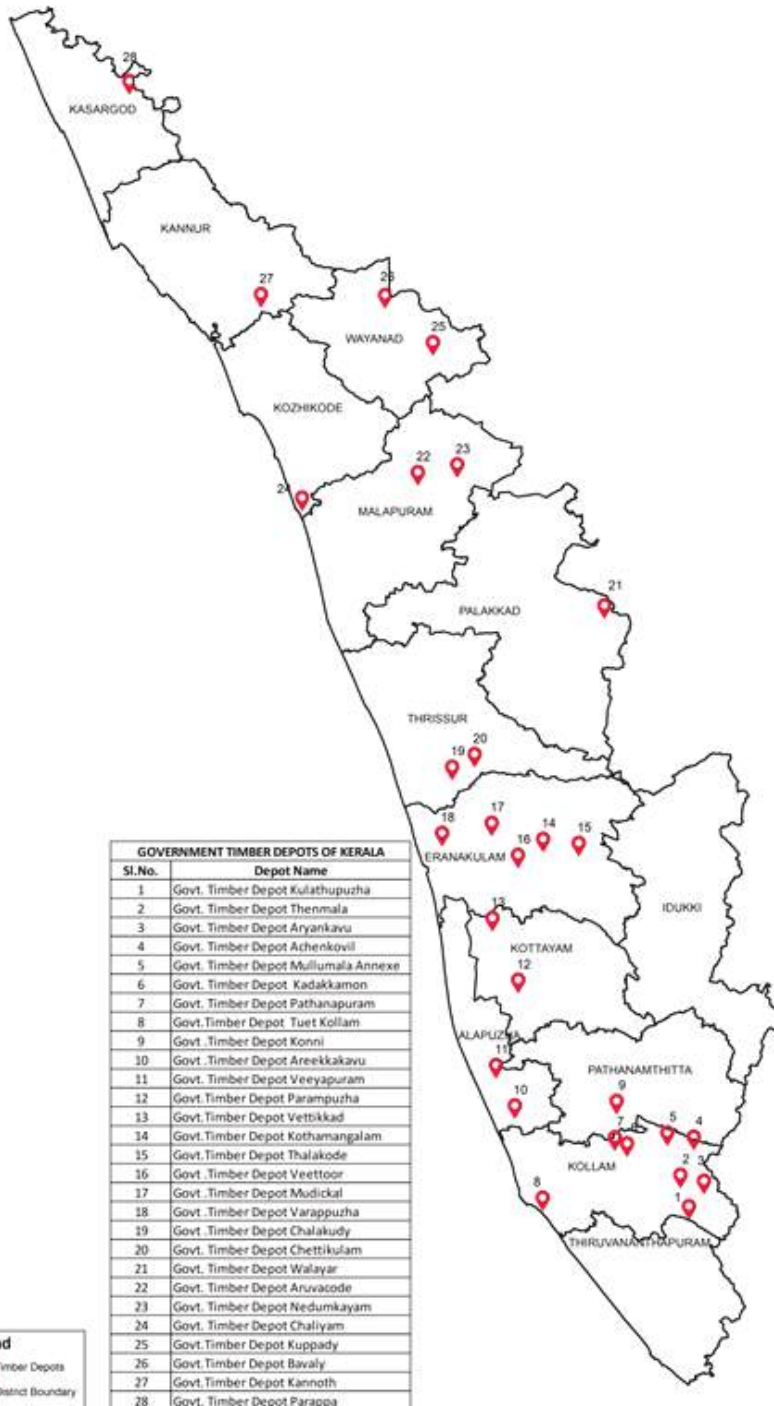
Table - 1.44
Circle-wise number of timber depots

| Sl. No. | Circle | Sales division | No. of depots |
|--------------|-------------------|--------------------|---------------|
| 1 | Southern Circle | Thiruvananthapuram | 5 |
| | | Punalur | 6 |
| 2 | High Range Circle | Kottayam | 4 |
| 3 | Central Circle | Perumbavur | 5 |
| 4 | Eastern Circle | Palakkad | 3 |
| 5 | Northern Circle | Kozhikode | 5 |
| TOTAL | | | 28 |

Table - 1.45
Circle-wise details of timber depots

| Sl.No. | Circle | Sales Division | Depots | |
|--------|-------------------|--------------------|--------|------------------|
| 1 | Southern Circle | 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 | 12 | Parampuzha |
| | | | 13 | Vettikkadu |
| | | | 14 | Thalakkode |
| | | | 15 | Kothamangalam |
| 3 | Central Circle | Perumbavoor | 16 | Veetoor |
| | | | 17 | Varapuzha |
| | | | 18 | Mudikkal |
| | | | 19 | Chalakkudy |
| 4 | Eastern Circle | Palakkad | 20 | Chettikulam |
| | | | 21 | Aruvakkode |
| | | | 22 | Nedumkayam |
| 5 | Northern Circle | Kozhikode | 23 | Walayar |
| | | | 24 | Chaliyam |
| | | | 25 | Kuppadi |
| | | | 26 | Baveli |
| | | | 27 | Kannothu |
| | | | 28 | Parappa |

GOVERNMENT TIMBER DEPOTS OF KERALA



Non-Wood Forest Produce (NWFP)

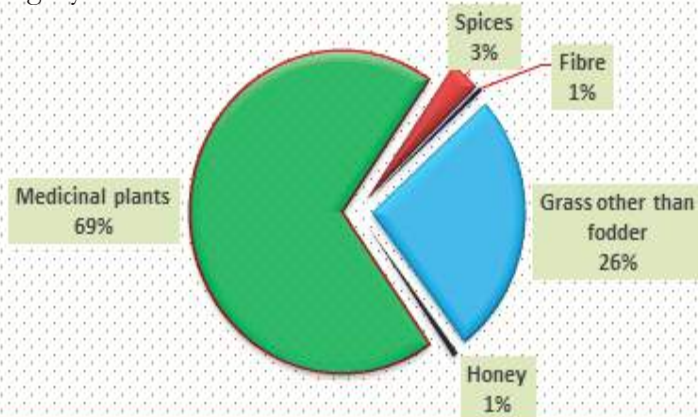
Kerala is known for its diverse Non-Wood Forest Produce (NWFP), such as medicinal plants, spices, fibre and honey, which are crucial for local livelihoods and contribute significantly to the state's economy. Total quantity of Non-Wood Forest Produce procured by Kerala State Federation of SC/ST Development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

Table - 1.46
Procurement of Non-Wood Forest Produce

| Sl. No. | Name | Quantity (kg) |
|---------|-------------------------|---------------|
| 1 | Medicinal plants | 222191.400 |
| 2 | Spices | 10161.000 |
| 3 | Fibre | 1400.000 |
| 4 | Grass other than fodder | 84600.000 |
| 5 | Honey | 1937.750 |

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

Graph 1.10 Category-wise Procurement of Non-Wood Forest Produce



Procurement of Non-Wood Forest Produce (NWFP)

Total quantity and value of minor forest produce of NWFP was 320.290 tonnes and Rs. 247.701 lakhs respectively.

Table - 1.47
Details on Non-Wood Forest Produce

| Sl. No. | Item | Quantity procured (kg) | Unit price (Amount in Rs.) | Value (Amount in Rs.) |
|---------|--------------------------------------|------------------------|----------------------------|-----------------------|
| 1 | Athithippali | 149.00 | 60.00 | 8940.00 |
| 2 | Adapathiyam | 64.00 | 1065.00 | 68160.00 |
| 3 | Broom grass (Choolpullu) | 65900.00 | 44.60 | 2939000.00 |
| 4 | Cardamom | 11.00 | 1900.00 | 20900.00 |
| 5 | Cheenikka I st | 47216.00 | 64.70 | 3054695.00 |
| 6 | Cheruthekku | 415.00 | 105.00 | 43575.00 |
| 7 | Cheruthen | 104.25 | 1077.46 | 112325.00 |
| 8 | Cheruvazhuthana | 20869.00 | 72.68 | 1516674.00 |
| 9 | Chunda | 1170.00 | 30.47 | 35650.00 |
| 10 | Chenchallyam I | 234.00 | 230.00 | 53820.00 |
| 11 | Chenchallyam II | 960.00 | 180.00 | 172800.00 |
| 12 | Earamkol | 18700.00 | 17.00 | 317900.00 |
| 13 | Iruveli | 1037.00 | 90.00 | 93330.00 |
| 14 | Kakkumkai-Parantakai | 65.00 | 40.00 | 2600.00 |
| 15 | Kalpasam | 915.00 | 480.00 | 439200.00 |
| 16 | Karimkurinji | 40069.00 | 60.68 | 2431562.00 |
| 17 | Kasturimanjal | 1217.00 | 78.36 | 95365.00 |
| 18 | Kandankova | 297.00 | 70.00 | 20790.00 |
| 19 | Kattukurumulakuvalli 1 st | 5983.00 | 52.66 | 315065.00 |
| 20 | Kattupadavalam Dry | 1951.00 | 272.61 | 531863.00 |
| 21 | KattuThippelly | 201.00 | 115.00 | 23115.00 |
| 22 | Kunthirikkam – 1 st | 998.00 | 256.90 | 256390.00 |
| 23 | Kunthirikkam – 2 nd | 695.00 | 214.53 | 149100.00 |
| 24 | Kunthirikkam – 3 rd | 528.75 | 150.74 | 79706.25 |
| 25 | Kurumthotti | 66995.00 | 103.35 | 6923835.00 |
| 26 | Kumizhinveru | 195.00 | 23.00 | 4485.00 |

| Sl. No. | Item | Quantity procured (kg) | Unit price (Amount in Rs.) | Value (Amount in Rs.) |
|--------------|------------------------------|------------------------|----------------------------|-----------------------|
| 27 | Kodivelly | 800.00 | 30.00 | 24000.00 |
| 28 | Incha | 1400.00 | 115.00 | 161000.00 |
| 29 | Pulinchikkai | 350.00 | 120.00 | 42000.00 |
| 30 | Moovila | 9338.00 | 125.84 | 1175062.00 |
| 31 | Orila | 20656.00 | 65.02 | 1343155.00 |
| 32 | Nannari / Naruncendi | 150.00 | 282.92 | 42438.00 |
| 33 | Pachotti | 1600.00 | 97.09 | 155350.00 |
| 34 | Pachottipatta | 370.00 | 92.84 | 34350.00 |
| 35 | Padakizhangu | 61.00 | 300.00 | 18300.00 |
| 36 | Pathiripoovu Small | 49.00 | 750.00 | 36750.00 |
| 37 | Pathiripoovu 1 st | 579.40 | 867.30 | 502511.00 |
| 38 | Pathiripoovu 2 nd | 27.25 | 800.00 | 21800.00 |
| 39 | Pathiripoovu 3 rd | 70.00 | 610.00 | 42700.00 |
| 40 | Pathiripoovu Podi | 7.00 | 200.00 | 1400.00 |
| 41 | Peenari | 2610.00 | 85.36 | 222800.00 |
| 42 | Putharichunda | 2256.00 | 42.79 | 96538.00 |
| 43 | Thelli I | 424.00 | 300.00 | 127200.00 |
| 44 | Thelli II | 770.00 | 250.00 | 192500.00 |
| 45 | Vanthen | 1833.50 | 446.89 | 819365.00 |
| TOTAL | | 320290.150 | | 24770064.25 |

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 | 31.03.2033 | Working Plan is current |
| 6 | Konni | 31.03.2025 | Working Plan is current |
| 7 | Kothamangalam | 31.03.2026 | Working Plan is current |
| 8 | Munnar | 31.03.2020 | 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. |

| Sl. No. | Division | Valid up to | Status |
|---------|------------------|-------------|---------------------------------------|
| 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 | New Working Plan is under processing |
| 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 |
| 21 | Kozhikkode | 31.03.2034 | Working Plan is current |
| 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 | New Working Plan is under processing. |
| 25 | Kasargod | 31.03.2023 | New Working Plan is under processing |

2.2 Boundary Demarcation & Details of Encroachment

Demarcation of Forest Boundaries

Total length of forest boundary is 16873.689 km. Out of this 11643.2549 km requires demarcation, and the remaining 5230.434 km is covered by natural boundary. The length of boundary demarcated as on 31.03.2024 is 10710.1974 km. The 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 (km) | Length of natural boundary (km) not requiring demarcation | Total Length of boundary (km) requiring demarcation | Total Length of boundary demarcated as on 31.03.2024 |
|------------------------------|--------------------|-------------------------------|---|---|--|
| SOUTHERN CIRCLE | | | | | |
| 1 | Thiruvananthapuram | 397.29 | 53.25 | 344.04 | 317.689 |
| 2 | Thenmala | 250.00 | 41.21 | 208.79 | 197.350 |
| 3 | Punalur | 843.55 | 483.00 | 360.55 | 360.550 |
| 4 | Achencoil | 221.44 | 85.52 | 135.92 | 84.339 |
| 5 | Ranni | 760.92 | 337.35 | 423.57 | 423.570 |
| 6 | Konni | 159.70 | 51.42 | 108.28 | 108.280 |
| SOUTHERN CIRCLE TOTAL | | 2632.90 | 1051.75 | 1581.15 | 1491.778 |

| Sl. No. | Division | Total length of boundary (km) | Length of natural boundary (km) not requiring demarcation | Total Length of boundary (km) requiring demarcation | Total Length of boundary demarcated as on 31.03.2024 |
|--------------------------------------|-----------------------|-------------------------------|---|---|--|
| HIGH RANGE CIRCLE | | | | | |
| 7 | Kottayam | 596.14 | 59.00 | 537.14 | 503.39 |
| 8 | Munnar | 1407.00 | 115.00 | 1292.00 | 1177.75 |
| 9 | Kothamangalam | 484.11 | 72.51 | 411.60 | 373.60 |
| 10 | Marayoor | 105.00 | 27.00 | 78.00 | 75.00 |
| 11 | Mankulam | 211.17 | 58.00 | 153.17 | 0.00 |
| HIGH RANGE CIRCLE TOTAL | | 2803.42 | 331.51 | 2471.91 | 2129.74 |
| CENTRAL CIRCLE | | | | | |
| 12 | Malayattoor | 720.31 | 409.30 | 311.01 | 311.01 |
| 13 | Vazhachal | 250.00 | 180.00 | 70.00 | 70.00 |
| 14 | Chalakkudy | 484.99 | 281.40 | 203.59 | 203.59 |
| 15 | Thrissur | 795.00 | 25.00 | 770.00 | 768.90 |
| CENTRAL CIRCLE TOTAL | | 2250.30 | 895.70 | 1354.60 | 1353.50 |
| EASTERN CIRCLE | | | | | |
| 16 | Nenmara | 887.85 | 171.70 | 716.15 | 642.00 |
| 17 | Palakkad | 764.99 | 158.19 | 606.80 | 582.39 |
| 18 | Mannarkkad | 893.00 | 286.00 | 607.00 | 512.95 |
| 19 | Nilambur (S) | 294.88 | 128.73 | 166.15 | 165.93 |
| 20 | Nilambur (N) | 721.00 | 289.05 | 431.95 | 370.30 |
| EASTERN CIRCLE TOTAL | | 3561.72 | 1033.67 | 2528.05 | 2273.57 |
| NORTHERN CIRCLE | | | | | |
| 21 | Kozhikode | 815.390 | 175.490 | 639.9000 | 618.2470 |
| 22 | Wayanadu (S) | 1102.799 | 387.134 | 715.6649 | 618.5954 |
| 23 | Wayanadu (N) | 343.550 | 103.950 | 239.6000 | 180.4980 |
| 24 | Kannur | 503.350 | 46.000 | 457.3500 | 457.3500 |
| 25 | Kasaragod | 630.990 | 24.400 | 606.5900 | 600.7440 |
| NORTHERN CIRCLE TOTAL | | 3396.079 | 736.974 | 2659.1049 | 2475.4344 |
| AGASTHYAVANAM BIOLOGICAL PARK | | | | | |
| 26 | Thiruvananthapuram WL | 220.10 | 66.20 | 153.90 | 148.75 |
| 27 | Shenduruney | 103.00 | 46.07 | 56.93 | 56.93 |
| ABP TOTAL | | 323.10 | 112.27 | 210.83 | 205.68 |

| Sl. No. | Division | Total length of boundary (km) | Length of natural boundary (km) not requiring demarcation | Total Length of boundary (km) requiring demarcation | Total Length of boundary demarcated as on 31.03.2024 |
|---|---------------|-------------------------------|---|---|--|
| FIELD DIRECTOR (PERIYAR TR) | | | | | |
| 28 | Periyar East | 207.50 | 50.00 | 157.50 | 153.635 |
| 29 | Periyar West | 129.67 | 52.00 | 77.67 | 77.670 |
| 30 | Idukki | 160.60 | 145.60 | 15.00 | 15.000 |
| 31 | Munnar WL | 342.00 | 41.50 | 300.50 | 279.200 |
| FIELD DIRECTOR (PERIYAR TR) TOTAL | | 839.77 | 289.1 | 550.67 | 525.505 |
| FIELD DIRECTOR (PARAMBIKULAM TR) | | | | | |
| 32 | Peechi | 161.90 | 151.07 | 10.83 | 6.83 |
| 33 | Parambikulam | 153.50 | 153.50 | 0.00 | 0.00 |
| 34 | Silent Valley | 198.23 | 121.92 | 76.31 | 62.01 |
| 35 | Wayanad WL | 474.00 | 300.60 | 173.40 | 159.75 |
| 36 | Aralam | 78.77 | 52.37 | 26.40 | 26.40 |
| FIELD DIRECTOR (PARAMBIKULAM TR) TOTAL | | 1066.40 | 779.46 | 286.94 | 254.99 |
| GRAND TOTAL | | 16873.689 | 5230.434 | 11643.2549 | 10710.1974 |

Encroachment on Forest Land

As on 31.03.2024, the extent of encroachment on forest land to be evicted is 4973. 6949 Ha.

Table 2.3
Details of encroachment on forest land

| Circle | District | Division | Extent of Encroachment (Ha) |
|--------------------------------|--------------------|--------------------|-----------------------------|
| Southern Circle | Pathanamthitta | Konni | 10.5898 |
| | | Ranni | 1.7404 |
| | Kollam | Thenmala | 1.9928 |
| | | Punalur | 0.9700 |
| | Thiruvananthapuram | Thiruvananthapuram | 0.59202 |
| SOUTHERN CIRCLE TOTAL | | | 15.8850 |
| High Range Circle | Ernakulam | Kothamangalam | 434.0366 |
| | Kottayam | Kottayam | 105.8837 |
| | Idukki | Munnar | 1093.5907 |
| | | Marayoor | 0.0300 |
| | | Mankulam | 358.4255 |
| HIGH RANGE CIRCLE TOTAL | | | 1991.9665 |

| Circle | District | Division | Extent of Encroachment (Ha) |
|---|------------|----------------|-----------------------------|
| Central Circle | Thrissur | Thrissur | 191.6903 |
| | | Chalakkudy | 0.2644 |
| | Ernakulam | Malayattoor | 127.6550 |
| CENTRAL CIRCLE TOTAL | | | 319.6097 |
| Eastern Circle | Malappuram | Nilambur North | 657.8708 |
| | | Nilambur South | 2.1200 |
| | Palakkad | Palakkad | 37.6850 |
| | | Mannarkkad | 635.1787 |
| | | Nenmara | 237.6512 |
| EASTERN CIRCLE TOTAL | | | 1570.5057 |
| Northern Circle | Kozhikode | Kozhikode | 75.4290 |
| | | Kozhikkode TS | 0.5165 |
| | Wayanad | Wayanad South | 705.0679 |
| | | Wayanad North | 230.5123 |
| | Kannur | Kannur | 40.5370 |
| | Kasargod | Kasargod | 5.4370 |
| NORTHERN CIRCLE TOTAL | | | 1057.5007 |
| Field Director (Periyar TR) | Idukki | Periyar East | 4.0060 |
| FIELD DIRECTOR (PERIYAR TR) TOTAL | | | 4.0060 |
| Field Director (Parambikulam TR) | Palakkad | Silent Valley | 11.5785 |
| | Kannur | Aralam | 2.0000 |
| | Wayanad | Wayanad WL | 0.6428 |
| FIELD DIRECTOR (PARAMBIKULAM TR) TOTAL | | | 14.2213 |
| GRAND TOTAL | | | 4973.6949 |

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 2023-24, a total of 3305.450 kilometers of fire lines, fire strips, and fire breaks were established and maintained. Additionally, 149239 fire watchers were engaged (measured in man-days) to ensure fire safety. Controlled burning and biomass removal were carried out across 1016 hectares. A total expenditure of Rs.2071.464 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 / maintain ned/ fire strip (km) | Length of fire break created/ maintained (km) | Control burning Area (Ha) | Biomass removal area (Ha) | No. of fire watchers engaged (mandays) | Expenditure(amount in lakh) |
|-----------------------------|--------------------|---|---|---------------------------|---------------------------|--|-----------------------------|
| TERRITORIAL DIVISION | | | | | | | |
| 1 | Thiruvananthapuram | 7.200 | - | 11.500 | - | 5572 | 47.565 |
| 2 | Thenmala | 20.000 | - | - | - | 2815 | 182.480 |
| 3 | Punalur | 49.770 | - | - | - | 7898 | 69.020 |
| 4 | Konni | 102.815 | - | - | - | 4892 | 52.495 |
| 5 | Achencovil | 17.900 | - | - | - | 1229 | 14.676 |
| 6 | Ranni | 185.000 | - | - | - | 7892 | 85.220 |
| 7 | Kottayam | 46.620 | - | - | - | 4245 | 53.331 |
| 8 | Munnar | 133.030 | 1.000 | - | - | 4245 | 66.596 |
| 9 | Marayoor | 64.800 | - | - | - | 182 | 13.612 |
| 10 | Kothamangalam | 162.420 | - | - | 226.000 | 7424 | 92.690 |
| 11 | Mankulam | 23.700 | - | - | - | 625 | 17.724 |
| 12 | Malayattoor | 129.900 | - | - | - | 7577 | 66.348 |
| 13 | Chalakydy | - | 48.000 | - | - | 2315 | 21.410 |
| 14 | Vazhachal | 143.320 | - | - | - | 2702 | 27.784 |
| 15 | Thrissur | - | - | - | 98.570 | 9440 | 103.760 |
| 16 | Nenmara | 67.200 | - | - | - | 4755 | 42.504 |
| 17 | Palakkad | 79.000 | - | - | 286.000 | 2237 | 26.380 |
| 18 | Mannarkad | 17.100 | - | - | - | 5434 | 54.710 |

| 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 (mandays) | Expenditure (amount in lakh) |
|--------------------------|-----------------------|--|--|---------------------------|---------------------------|--|------------------------------|
| 19 | Nilambur South | 50.300 | - | 33.100 | 113.400 | 2953 | 67.033 |
| 20 | Nilambur North | 92.650 | - | - | - | 4179 | 55.650 |
| 21 | Kozhikode | - | 26.980 | 4.011 | - | 4322 | 38.793 |
| 22 | Kannur | - | - | 158.671 | - | 4415 | 43.586 |
| 23 | Kasargod | - | 38.500 | - | 15.000 | 451 | 4.136 |
| 24 | Wayanad South | - | - | 0.400 | - | 7671 | 98.908 |
| 25 | Wayanad North | - | 192.785 | - | 192.785 | 5179 | 79.511 |
| Total | | 1392.725 | 307.265 | 207.682 | 931.755 | 110649 | 1425.922 |
| WILDLIFE DIVISION | | | | | | | |
| 26 | Thiruvananthapuram WL | 15.000 | - | - | - | 78 | 25.242 |
| 27 | Shenduruney | 86.000 | - | - | - | 1460 | 39.400 |
| 28 | Periyar East | 174.500 | - | - | - | 8372 | 76.185 |
| 29 | Periyar West | 185.000 | - | - | - | 3322 | 78.550 |
| 30 | Munnar WL | 224.000 | - | - | - | 13259 | 81.560 |
| 31 | Idukki WL | 74.800 | - | - | - | 1947 | 29.837 |
| 32 | Peechi WL | 94.000 | - | - | - | 4430 | 38.000 |
| 33 | Parambikulam TR | 34.500 | 89.860 | - | - | 3600 | 32.800 |
| 34 | Silent valley NP | 204.000 | - | - | - | 2628 | 91.164 |
| 35 | Wayanad WL | - | 285.900 | 316.150 | - | 6793 | 99.610 |
| 36 | Aralam WL | 37.200 | - | - | - | 670 | 20.410 |
| TOTAL | | 1129.000 | 375.760 | 316.150 | 0.000 | 46559 | 612.758 |
| GRAND TOTAL | | 2521.725 | 683.025 | 523.832 | 931.755 | 157208 | 2038.680 |

Fire Incidents

During 2023-24, a total of 347 forest fire incidents were reported, which affected 499.274 Ha of forest area and caused a financial loss of Rs.15,500 (Financial loss in 2 cases where offences were booked).

Table 2.5
Abstract of fire incidents

| Fire season | Number of incidents | Area affected by fire (Ha) |
|-------------|---------------------|----------------------------|
| 2023-24 | 347 | 499.274 |

Table 2.6
Abstract of fire incidents for the last 10 years

| Fire season | Number of incidents | Area affected by fire (Ha) |
|-------------|---------------------|----------------------------|
| 2014-2015 | 486 | 1756.000 |
| 2015-2016 | 564 | 2024.000 |
| 2016-2017 | 737 | 2989.680 |
| 2017-2018 | 330 | 1279.000 |
| 2018-2019 | 596 | 2034.810 |
| 2019-2020 | 381 | 784.340 |
| 2020-2021 | 167 | 450.910 |
| 2021-2022 | 124 | 308.630 |
| 2022-2023 | 377 | 839.285 |
| 2023-2024 | 347 | 499.274 |

Graph 2.1 Fire Incidents and Area Affected: 10-Year Trend Analysis

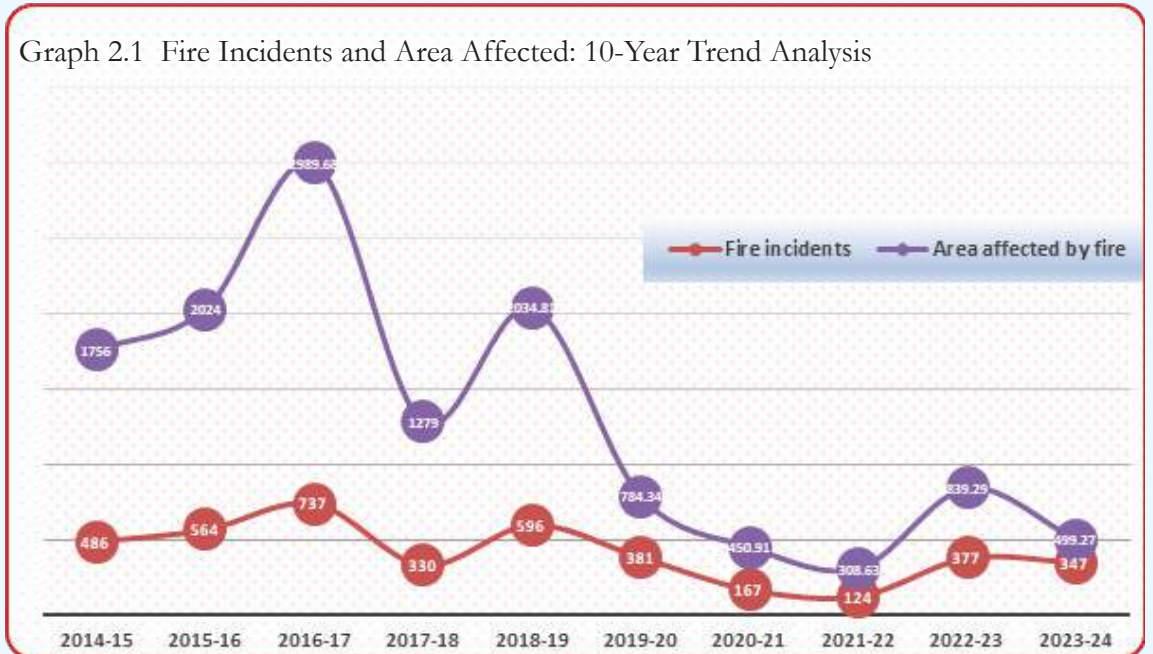


Table 2.7
Division-wise forest fire incidents

| Sl. No | Name of division | No. of incidents | Area affected by fire (Ha) |
|-----------------------------|-----------------------|------------------|----------------------------|
| TERRITORIAL DIVISION | | | |
| 1 | Thiruvananthapuram | 10 | 13.142 |
| 2 | Punalur | 11 | 10.010 |
| 3 | Thenmala | 10 | 10.465 |
| 4 | Konni | 19 | 25.700 |
| 5 | Ranni | 20 | 31.750 |
| 6 | Kottayam | 19 | 30.040 |
| 7 | Munnar | 38 | 56.810 |
| 8 | Marayoor | 6 | 10.400 |
| 9 | Kothamangalam | 26 | 24.486 |
| 10 | Malayattoor | 3 | 4.000 |
| 11 | Chalakydy | 10 | 8.770 |
| 12 | Thrissur | 11 | 36.909 |
| 13 | Nenmara | 12 | 12.308 |
| 14 | Palakkad | 15 | 21.560 |
| 15 | Mannarkad | 43 | 72.650 |
| 16 | Nilambur South | 21 | 26.950 |
| 17 | Nilambur North | 23 | 18.127 |
| 18 | Wayanad South | 4 | 3.006 |
| 19 | Wayanad North | 3 | 8.705 |
| 20 | Kozhikkod | 8 | 10.331 |
| 21 | Kasargode | 1 | 3.000 |
| TOTAL | | 313 | 439.119 |
| WILDLIFE DIVISION | | | |
| 22 | Thiruvananthapuram WL | 1 | 2.500 |
| 23 | Periyar East | 2 | 1.490 |
| 24 | Silentvalley | 3 | 13.000 |
| 25 | Idukki WL | 1 | 0.500 |
| 26 | Parambikulam | 2 | 6.500 |
| 27 | Peechi WL | 6 | 6.000 |
| 28 | Wayanad WL | 19 | 30.165 |
| TOTAL | | 34 | 60.155 |
| GRAND TOTAL | | 347 | 499.274 |

Plantations affected by forest fire

Table 2.8
Plantations affected by forest fire (area in Ha)

| Sl No | Divisions | Teak | Acacia auriculiformis | RDF | Eucalyptus | Manjium | Miscellaneous | Total |
|--------------|--------------------|--------------|-----------------------|-------------|-------------|-------------|---------------|--------------|
| 1 | Thiruvananthapuram | 0.00 | 4.90 | 0.00 | 0.00 | 0.00 | 1.50 | 6.40 |
| 2 | Punalur | 0.50 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 1.50 |
| 3 | Thenmala | 8.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.21 |
| 4 | Ranni | 0.50 | 0.00 | 0.00 | 0.00 | 5.00 | 0.00 | 5.50 |
| 5 | Kottayam | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 |
| 6 | Munnar | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.61 | 7.61 |
| 7 | Chalakkudy | 0.00 | 0.00 | 1.50 | 0.00 | 0.00 | 0.00 | 1.50 |
| 8 | Palakkad | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 |
| 9 | Nilambur North | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 |
| 10 | Nilambur South | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 | 3.70 | 5.80 |
| 11 | Wayanad North | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 |
| 12 | Wayanad South | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 |
| 13 | Wayanad WL | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.70 |
| TOTAL | | 17.78 | 4.90 | 1.50 | 1.00 | 5.00 | 12.81 | 42.99 |

2.4. Forest Offences

Table 2.9
Abstract of number of cases booked

| Cases | Upto 2023 | During 2024 | Total upto 2024 |
|-------------------------------|--------------|-------------|-----------------|
| Under Kerala Forest Act | 39597 | 248 | 39845 |
| Under Wildlife Protection Act | 4344 | 194 | 4538 |
| 61 A Cases | 2440 | 60 | 2500 |
| Other Acts | 5383 | 126 | 5509 |
| TOTAL | 51764 | 628 | 52392 |

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

| Sl. No. | Circle | Under KF Act upto 2023 | KF Act during 2024 | KF Act at the end of 2024 | Under WLP Act upto 2023 | WLP Act during 2024 | WLP Act at the end of 2024 | Other Acts upto 2023 | Other Acts during 2024 | Other Act at the end of 2024 | No. of 61A cases upto 2023 | 61 A cases during 2024 | 61 A cases at the end of 2024 |
|---------|---------------------------------|------------------------|--------------------|---------------------------|-------------------------|---------------------|----------------------------|----------------------|------------------------|------------------------------|----------------------------|------------------------|-------------------------------|
| 1 | Southern Circle | 3626 | 18 | 3644 | 729 | 33 | 762 | 295 | 41 | 336 | 153 | 2 | 155 |
| 2 | High Range Circle | 15904 | 69 | 15973 | 491 | 32 | 523 | 2988 | 11 | 2999 | 628 | 10 | 638 |
| 3 | Central Circle | 3491 | 45 | 3536 | 968 | 34 | 1002 | 367 | 10 | 377 | 187 | 7 | 194 |
| 4 | Eastern Circle | 10495 | 46 | 10541 | 828 | 41 | 869 | 934 | 16 | 950 | 490 | 9 | 499 |
| 5 | Northern Circle | 3740 | 28 | 3768 | 884 | 39 | 923 | 629 | 48 | 677 | 904 | 29 | 933 |
| 6 | Agasthyavanam Biological Park | 212 | 5 | 217 | 58 | 0 | 58 | 11 | 0 | 11 | 4 | 0 | 4 |
| 7 | Field Director (Periyar TR) | 1201 | 5 | 1206 | 128 | 3 | 131 | 82 | 0 | 82 | 26 | 2 | 28 |
| 8 | Field Director (Parambikuum TR) | 928 | 32 | 960 | 258 | 12 | 270 | 77 | 0 | 77 | 48 | 1 | 49 |
| | TOTAL | 39597 | 248 | 39845 | 4344 | 194 | 4538 | 5383 | 126 | 5509 | 2440 | 60 | 2500 |

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 2023-24

| Sl No | Case details | Qty (kg/ nos seized) | Vehicles | Accused | Range |
|-------|---|----------------------|----------|---------|--|
| 1 | A Sandboasnake,listed in Schedule 1 Of the Wildlife Protection Act,- Seized while attempting to sell | 6 no | 6 | 19 | Paruthippally, Pathanapuram, Anchal |
| 2 | Seized illegally collected sandalwood While attempting to sell | 307.8 Kg | 4 | 16 | Ottapalam, Konni, Paruthippally, Ottapalam, Paruthippally, Thoddupuzha |
| 3 | Caught While collecting and selling Elephant tusks,which are listed under Schedule 1 of the Wildlife Protection Act | 15 | 13 | 44 | Thamarassery, Kodanad, Thamarassery, Erumeli, Bengur, Kalikavu, Adimali, Attapadi, Neriamangalam, Palode |
| 4 | Star Tertoise listed in Schedule 1 of The Wildlife Protection Act, seized While attempting to sell | 2 nos | 1 | 3 | Palode |
| 5 | Seahorse,listed in Schedule 1 of the Wildlife Protection Act,seized while Attempting to sell | 96 nos | 0 | 1 | Olavakkode |
| 6 | Arrested for possession of sambar deer meat listed in Schedule 1 of the Wildlife Protection Act | 9 kg | 0 | 5 | Anchal, Aryankavu |
| 7 | Birds,listed in Wildliffe Protection Act, Seized while attempting to sell | 44 nos | 1 | 1 | Konni |
| 8 | Arrested for possession of Porcupine Meat listed in Schedule 1 of the Wildlife Protection Act | 6 kg | 2 | 4 | Anchal, Devikulam |

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 2023-24

| Sl. No. | Particulars | No. of cases |
|---------|--|--------------|
| 1 | Illicit felling of trees and smuggling of timber and other forest produce | 72 |
| 2 | Encroachment in Reserved Forest | 27 |
| 3 | Irregularities in execution of government works and misappropriation of government money | 32 |
| 4 | Matter related to irregularities in wild elephants and other animals | 7 |
| 5 | Cases of subordinates misbehaviour | 35 |
| 6 | Illicit transport of forest produce | 6 |
| 7 | Corrupt practices in auction | 1 |
| 8 | Other kinds of petitions | 66 |
| 9 | Violation of KPT Rules / Act | 9 |
| 10 | Violation of WL(P) Act | 15 |
| 11 | Illicit distillation | 4 |
| 12 | Atrocities against Tribals | 5 |
| 13 | Atrocities against animals | 10 |
| 14 | Illicit collection of rubble and sand | 2 |
| 15 | Ganja cultivation | 1 |
| 16 | Illicit felling storage and transport of timber from private lands | 14 |
| 17 | Petition against forest officials | 216 |
| 18 | Petition against VSS/EDC | 17 |
| 19 | Fire Occurance | 2 |
| 20 | Misuse of departmental vehicles | 1 |
| 21 | Smuggling of sand | 6 |
| 22 | Petition regarding captive elephant | 55 |
| 23 | Petition regarding crop damage | 5 |
| 24 | Illegal mining | 2 |

| Sl. No. | Particulars | No. of cases |
|---------|---|--------------|
| 25 | Petition regarding mismanagement | 2 |
| 26 | Illicit entry into forest | 1 |
| 27 | Irregularities in connection with wood based industries | 11 |
| | Total | 624 |

2.6 Employment Generation

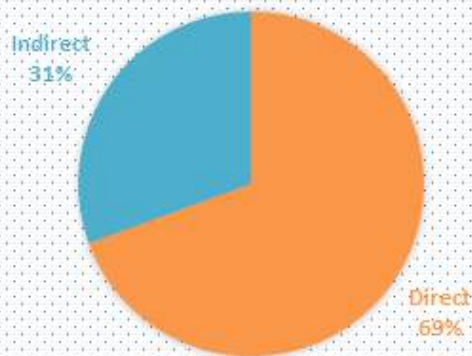
Circle-wise details of direct and indirect employment during 2023-24 is shown below.

Table 2.13
Employment generation-Direct and Indirect
(Man days)

| Sl. No. | Circle/Head quarter offices | 2023-24 | | Total |
|---------|---------------------------------|---------|----------|--------|
| | | Direct | Indirect | |
| 1 | Southern Circle | 50915 | 56193 | 107108 |
| 2 | High Range Circle | 32830 | 33051 | 65881 |
| 3 | Central Circle | 83411 | 16263 | 99674 |
| 4 | Eastern Circle | 67097 | 67125 | 134222 |
| 5 | Northern Circle | 113808 | 16834 | 130642 |
| 6 | Agasthyavanam Biological Park | 9838 | 3010 | 12848 |
| 7 | Field Director (Periyar TR) | 85799 | 8336 | 94135 |
| 8 | Field Director (Parambikuum TR) | 118306 | 25251 | 143557 |
| 9 | SF Suthern Region | 3520 | 233 | 3753 |
| 10 | SF Central Region | 10218 | 2450 | 12668 |
| 11 | SF Northern Region | 4584 | 493 | 5077 |
| 12 | Inspection & Evaluation, KYM | 286 | 2866 | 3152 |
| 13 | Inspection & Evaluation, KZD | 588 | 0 | 588 |
| 14 | Human Resource Development | 5619 | 29190 | 34809 |
| 15 | Wildlife | 873 | 0 | 873 |
| 16 | Vigilance | 325 | 0 | 325 |
| 17 | Administration | 231 | 0 | 231 |
| 18 | Social Foresrty | 960 | 0 | 960 |

| Sl. No. | Circle/Head quarter offices | 2023-24 | | Total |
|--------------|-----------------------------|---------------|---------------|---------------|
| | | Direct | Indirect | |
| 19 | Information Technology | 593 | 0 | 593 |
| 20 | Working Plan & Research | 2384 | 0 | 2384 |
| 21 | Estate Office | 600 | 0 | 600 |
| Total | | 592785 | 261295 | 854080 |

Graph 2.2 Proportion of Direct and Indirect Employment Generated under various schemes



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 10627 Human Wildlife Conflict incidents was reported in Kerala during 2023-24.

Table 3.1
Abstract of human-wildlife conflict incidents

| Incidents | Snake | Elephant | Wild Pig | Wild Gaur | Tiger | Leopard | Others | Total |
|-------------|-------|----------|----------|-----------|-------|---------|--------|-------|
| Human Death | 34 | 22 | 11 | 4 | 1 | 0 | 4 | 76 |

In 2023-24, 1603 people were injured by human-wildlife conflict, 807 livestock died and 8141 crops and property loss were occurred. The total number of human wildlife conflicts in 2023-24 was 10627. The number of people killed by bees/wasps in 2023-24 was 18.

Wild Animals Rescued

In 2023-24, 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
Circle-wise rescued birds and animals - Summary table

| Sl. No. | Name of Divisions | Birds | Animals | Total |
|------------------------|--------------------|------------|------------|------------|
| SOUTHERN CIRCLE | | | | |
| 1 | Thiruvananthapuram | 134 | 267 | 401 |
| 2 | Ranni | 33 | 78 | 111 |
| 3 | Punalur | 107 | 143 | 250 |
| 4 | Konni | 52 | 48 | 100 |
| Total | | 326 | 536 | 862 |

| Sl. No. | Name of Divisions | Birds | Animals | Total |
|-----------------------------------|-------------------|------------|-------------|-------------|
| HIGH RANGE CIRCLE | | | | |
| | | 8 | 14 | 22 |
| 1 | Kothamangalam | 25 | 100 | 125 |
| 2 | Munnar | 1 | 4 | 5 |
| 3 | Marayur | - | 1 | 1 |
| 4 | Kottayam | 12 | 52 | 64 |
| Total | | 46 | 157 | 217 |
| CENTRAL CIRCLE | | | | |
| 1 | Vazhachal | 13 | 63 | 76 |
| 2 | Chalakkudy | 75 | 247 | 322 |
| 3 | Malayattoor | 82 | 235 | 317 |
| 4 | Thrissur | 125 | 576 | 701 |
| 5 | SIP | 8 | 24 | 32 |
| Total | | 303 | 1145 | 1448 |
| EASTERN CIRCLE | | | | |
| 1 | Mannarkkad | 38 | 115 | 153 |
| 2 | Nilambur (N) | 49 | 146 | 195 |
| 3 | Nilambur (S) | 196 | 121 | 317 |
| 4 | Palakkad | 303 | 185 | 488 |
| 5 | Nenmara | 49 | 61 | 110 |
| Total | | 635 | 628 | 1263 |
| NORTHERN CIRCLE | | | | |
| 1 | Kozhikkode | 54 | 411 | 465 |
| 2 | Wayanad(N) | 7 | 25 | 32 |
| 3 | Wayanad(S) | 17 | 138 | 155 |
| 4 | Kannur | 43 | 184 | 227 |
| 5 | Kasargode | 50 | 100 | 150 |
| Total | | 171 | 858 | 1029 |
| FIELD DIRECTOR(PERİYAR TR) | | | | |
| 1 | Periyar (E) | 9 | 10 | 19 |
| 2 | Periyar (W) | - | 7 | 7 |
| 3 | Idukki | 5 | 2 | 7 |
| 4 | Munnar WL | 1 | - | 1 |
| Total | | 15 | 19 | 34 |

| Sl. No. | Name of Divisions | Birds | Animals | Total |
|--|-------------------|-------------|-------------|-------------|
| FIELD DIRECTOR(PARAMBIKULAM TR) | | | | |
| 1 | Wayanad (WL) | 3 | 250 | 253 |
| 2 | Peechi | - | 9 | 9 |
| Total | | 3 | 259 | 262 |
| Grand Total | | 1499 | 3616 | 5115 |

Table 3.3**Species-wise details of rescued wild animals**

| Sl.No. | Name of Animals | Number |
|--------|------------------------|--------|
| 1 | Peacock | 422 |
| 2 | Eagle / Hawk | 220 |
| 3 | Barn Owl / Owl | 515 |
| 4 | Parrot | 155 |
| 5 | Migrating Birds | 21 |
| 6 | Crane / Stork | 21 |
| 7 | Woodpecker | 3 |
| 8 | Grey Hornbill | 5 |
| 9 | Other Birds | 120 |
| 10 | Honey Bee | 17 |
| 11 | Monkey / NilgiriLangur | 362 |
| 12 | Wild Pig | 561 |
| 13 | Gaur | 32 |
| 14 | Asian Palm Civet | 1093 |
| 15 | Elephant | 33 |
| 16 | Jungle Cat | 55 |
| 17 | Porcupine | 306 |
| 18 | Fox/Jackal/Wild Dog | 215 |
| 19 | Toddy Cat | 259 |
| 20 | Sambar deer | 52 |
| 21 | Spotted deer | 184 |
| 22 | Barking deer | 42 |
| 23 | Mouse deer | 4 |
| 24 | Tortoise / Sea Turtle | 72 |
| 25 | Leopard | 6 |
| 26 | Malabar Giant Squirrel | 51 |
| 27 | Malabar Squirrel | 5 |
| 28 | Monitor lizard | 242 |

| Sl.No. | Name of Animals | Number |
|--------------|-----------------|-------------|
| 29 | Tiger | 2 |
| 30 | Crocodile | 1 |
| 31 | Wolf | 1 |
| 32 | Indian Pangolin | 10 |
| 33 | Mongoose | 14 |
| 34 | Other Animals | 14 |
| Total | | 5115 |

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 3.4
Details of snakes rescued by SARPA volunteers

| Sl. No. | Name of snake | Number |
|---------|-------------------------------|--------|
| 1 | Spectacled Cobra | 4949 |
| 2 | Indian Rock Python | 3319 |
| 3 | Rat Snake | 1894 |
| 4 | Russell's Viper | 694 |
| 5 | Montne Trinket Snake | 443 |
| 6 | Common Wolf Snake | 279 |
| 7 | Russel's Wolf Snake | 275 |
| 8 | Checkered Keel Back | 215 |
| 9 | Common Sandboa | 157 |
| 10 | Common Krait | 140 |
| 11 | King Cobra | 110 |
| 12 | Travancor Wolf Snake | 42 |
| 13 | Striped Keel Back | 21 |
| 14 | Hump-nosed pit viper | 37 |
| 15 | Common Kukri snake | 26 |
| 16 | Collared cat snake | 17 |
| 17 | Ornate flying snake | 31 |
| 18 | Common bronze back tree snake | 25 |

| Sl. No. | Name of snake | Number |
|--------------|---------------------------------|--------------|
| 19 | Red sandboa | 7 |
| 20 | Ashok's bronzeback | 11 |
| 21 | Whitaker's boa | 20 |
| 22 | Kerala mud snake | 7 |
| 23 | Southern bronze back tree snake | 6 |
| 24 | Beddome'skeelback | 5 |
| 25 | Malabar vine snake | 5 |
| 26 | Travancore cat snake | 9 |
| 27 | Beaked worm snake | 9 |
| 28 | Anamalai pit viper | 6 |
| 29 | Saw scaled viper | 6 |
| 30 | Malabar pit viper | 6 |
| 31 | Travancore kukri snake | 8 |
| 32 | Others | 2272 |
| TOTAL | | 15051 |

3.2 Measures to Reduce Human-Wildlife Conflict

The details of the major physical barriers constructed to mitigate human-wildlife conflict during 2023-24 are as follows:

Table 3.5
Physical barriers constructed to mitigate Human-Wildlife Conflict

| Circle | Solar Power fencing (km) | Elephant proof trench (km) | Elephant proof wall (km) | Solar Hanging Fence (km) |
|-------------------------------|--------------------------|----------------------------|--------------------------|--------------------------|
| Southern Circle | 37.190 | 0.680 | 0.000 | 0.000 |
| High Range Circle | 8.800 | 0.000 | 0.000 | 0.000 |
| Central Circle | 7.950 | 0.000 | 0.000 | 0.000 |
| Eastern Circle | 34.200 | 0.000 | 1.500 | 49.000 |
| Northern Circle | 27.300 | 0.000 | 0.000 | 35.620 |
| Agasthyavanam Biological Park | 0.000 | 0.950 | 0.000 | 0.930 |
| Field Director (Periyar TR) | 7.010 | 3.000 | 0.010 | 0.000 |

| Circle | Solar Power fencing (km) | Elephant proof trench (km) | Elephant proof wall (km) | Solar Hanging Fence (km) |
|----------------------------------|--------------------------|----------------------------|--------------------------|--------------------------|
| Field Director (Parambikulam TR) | 3.450 | 0.136 | 0.020 | 0.000 |
| TOTAL | 125.900 | 4.766 | 1.530 | 85.550 |

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 3.6
Details of Rapid Response Teams

| Sl. No | Name of RRT | Location of RRT | Officer in charge | Division | Contact Number |
|--------------------------|-------------|------------------------|-----------------------------|--------------------|----------------------------|
| SOUTHERN CIRCLE | | | | | |
| 1 | Konni | Konni | Section Forest Officer | Konni | 8547600601 |
| 2 | Ranni | Ranni | Deputy Range Forest Officer | Ranni | 8547600927 |
| 3 | Peppara | Paruthippally | Range Forest Officer | Thiruvananthapuram | 8547600960 |
| 4 | Punalur | Anchal, Punalur | Range Forest Officer | Punalur | 8547600725 |
| HIGH RANGE CIRCLE | | | | | |
| 5 | Munnar | Devikulam,- Munnar | Range Forest Officer | Munnar | 8547601351 |
| CENTRAL CIRCLE | | | | | |
| 6 | Chalakydy | Pariyaram, Malayattoor | Range Forest Officer | Chalakydy | 8547601812 |
| EASTERN CIRCLE | | | | | |
| 7 | Nilambur | Nilambur | Deputy Range Forest Officer | Nilambur North | 8547602200 |
| 8 | Mannarkkad | Mannarkkad | Deputy Range Forest Officer | Mannarkkad | 8547602315 0492-4222875 |
| 9 | Palakkad | Palakkad | Range Forest Officer | Palakkad | 8547602100 |
| 10 | Attapadi | Attapadi | Range Forest Officer | Mannarkkad | 8547602308 |

| Sl. No | Name of RRT | Location of RRT | Officer in charge | Division | Contact Number |
|---|-------------|--------------------------|-------------------------------|-------------------|----------------------------|
| NORTHERN CIRCLE | | | | | |
| 11 | Kozhikode | Thamarassery | Deputy Range Forest Officer | Kozhikode | 8547602798 |
| 12 | Kasargod | Pandi,Kasarkode | Section Forest Officer | Kasarkode | 8547602583 |
| 13 | Kalpetta | Kalpetta,Mep-padi | Range Forest Officer | Wayand North | 8547603486 |
| 14 | Kannur | Aralam,Kottiyoor | Deputy Range Forest Officer | Kannur | 8547602678 |
| FIELD DIRECTOR (PERIYAR TR) | | | | | |
| 15 | Peerumedu | Peerumedu | Deputy Director, Periyar West | Periyar West | 8547603123 04869-233710 |
| FIELD DIRECTOR (PARAMBIKULAM TR) | | | | | |
| 16 | Wayanad | Kuppadi,- Sulthanbathery | Deputy Range Forest Officer | Wayanad Wild-Life | 8547603486 04936-223500 |

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 3.7
Details of Jana Jagratha Samithi

| Sl. No. | Name of circles | Number of Jana Jagratha Samithi units |
|--------------|--------------------------------------|---------------------------------------|
| 1 | Southern Circle | 76 |
| 2 | High Range Circle | 37 |
| 3 | Central Circle | 26 |
| 4 | Eastern Circle | 41 |
| 5 | Northern Circle | 65 |
| 6 | Agasthyavanom Biological Park Circle | 7 |
| 7 | Field Director (Periyar TR) | 14 |
| 8 | Field Director (Parambikulam TR) | 12 |
| Total | | 278 |

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 2023-24, a total of Rs. 2179.8 lakh was disbursed to those impacted by wildlife-related incidents.

Graph 3.1 Trend of Compensation Disbursed for HWC Cases (2014-15 to 2023-24)

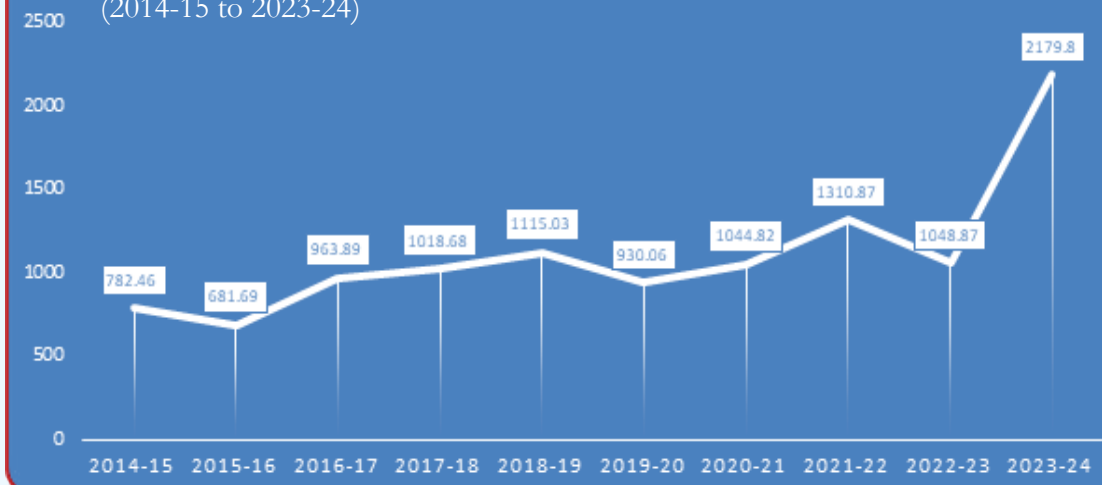


Table 3.8

Compensation paid to individuals impacted by Human-Wildlife Conflict

| Incidents | No. of applicants | Amount Paid(in lakhs) |
|-----------------------------|-------------------|-----------------------|
| Human death | 184 | 709.26 |
| Human injury | 1603 | 603.41 |
| Cattle loss | 807 | 230.11 |
| Crop damage & Property loss | 8141 | 637.02 |
| Grand Total | 10735 | 2179.8 |

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 693, as detailed in the table below.

Table 3.9
Circle-wise mortality statistics of key wildlife species

| Name of Circle | Name of Animal | | | | |
|---------------------------------|------------------|-----------|--------------------|------------|------------|
| | Asiatic Elephant | Tiger | Leopard or Panther | Others | Total |
| Southern Circle | 21 | 3 | 1 | 139 | 164 |
| High Range Circle | 12 | 1 | | 66 | 79 |
| Central Circle | 21 | | | 92 | 113 |
| Eastern Circle | 21 | | | 60 | 81 |
| Northern Circle | 5 | 2 | 5 | 126 | 138 |
| Agasthyavanam Biological Park | 5 | | | 12 | 17 |
| Field Director (Periyar TR) | 16 | 3 | | 47 | 66 |
| Field Director (Parambikuum TR) | 16 | 4 | 3 | 12 | 35 |
| Grand Total | 117 | 13 | 9 | 554 | 693 |

Graph 3.2 Circle-wise Wildlife Mortality 2023-24

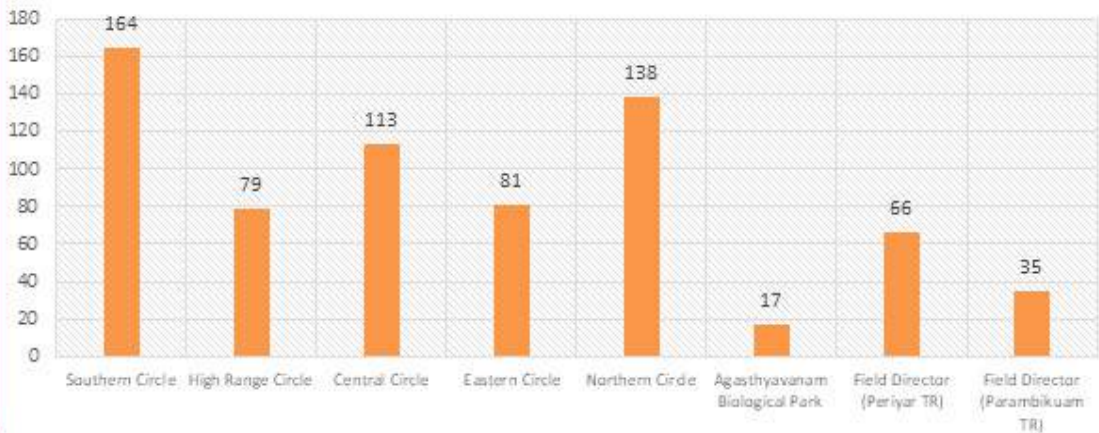


Table 3.10
Wild animal mortality species-wise

| Name of Division | Name of Animal | Number of Animals |
|------------------------|----------------------|-------------------|
| SOUTHERN CIRCLE | | |
| Achenkovil Division | Asiatic Elephant | 6 |
| | Gaur or Indian bison | 2 |
| | Small Indian Civet | 1 |
| | Wild Pig | 1 |

| Name of Division | Name of Animal | Number of Animals |
|-----------------------------|-------------------------------|-------------------|
| Konni Division | Asian palm civet | 4 |
| | Asiatic Elephant | 4 |
| | Bonnet macaque | 3 |
| | Common Barn Owl | 1 |
| | Gaur or Indian bison | 2 |
| | Indian Flap Shell Turtle | 4 |
| | Indian Peafowl | 15 |
| | Indian Porcupine | 1 |
| | Indo-Pacific Humpback Dolphin | 6 |
| | Jungle cat | 1 |
| | Malabar Red Muntjak | 1 |
| | Pythons | 3 |
| | Tiger | 2 |
| | Wild Pig | 44 |
| Punalur Division | Asiatic Elephant | 2 |
| | Indian Flap Shell Turtle | 1 |
| | Indian Peafowl | 1 |
| | Pythons | 1 |
| | Spotted Deer/Chital | 1 |
| | Travancore tortoise | 1 |
| | Wild Pig | 1 |
| Ranni Division | Asiatic Elephant | 7 |
| | Indian Peafowl | 1 |
| | Malabar Red Muntjak | 1 |
| | Pythons | 1 |
| | Sambar | 5 |
| | Tiger | 1 |
| | Wild Pig | 2 |
| Thiruvananthapuram Division | Asiatic Elephant | 2 |
| | Bonnet macaque | 2 |
| | Gaur or Indian bison | 7 |
| | Indian Peafowl | 7 |
| | Leatherback sea turtle | 1 |
| | Leopard or Panther | 1 |
| | Malabar Red Muntjak | 2 |
| | Sambar | 9 |
| | Sloth Bear | 1 |
| | Spotted Deer/Chital | 1 |
| | Whale shark | 1 |
| Wild Pig | 3 | |
| Total | | 164 |

| Name of Division | Name of Animal | Number of Animals |
|--------------------------|----------------------|-------------------|
| HIGH RANGE CIRCLE | | |
| Kothamangalam Division | Asiatic Elephant | 1 |
| | Indian Peafowl | 1 |
| | Wild Pig | 2 |
| Kottayam Division | Asiatic Elephant | 1 |
| | Bonnet macaque | 2 |
| | Gaur or Indian bison | 2 |
| | Indian Peafowl | 2 |
| | Jungle cat | 2 |
| | Malabar Red Muntjak | 1 |
| | Sambar | 2 |
| Wild Pig | 6 | |
| Mankulam Division | Asiatic Elephant | 1 |
| | Malabar Red Muntjak | 1 |
| Marayoor Division | Asiatic Elephant | 1 |
| | Bonnet macaque | 2 |
| | Gaur or Indian bison | 19 |
| | Indian Peafowl | 1 |
| | Sambar | 2 |
| | Spotted Deer/Chital | 7 |
| Munnar Division | Asiatic Elephant | 8 |
| | Gaur or Indian bison | 7 |
| | Indian Peafowl | 1 |
| | Indian Porcupine | 1 |
| | Malabar Red Muntjak | 1 |
| | Sambar | 3 |
| | Tiger | 1 |
| Wild Pig | 1 | |
| Total | | 79 |
| CENTRAL CIRCLE | | |
| Chalakkudy Division | Asiatic Elephant | 2 |
| | Gaur or Indian bison | 1 |
| | Indian Peafowl | 8 |
| | Indian Porcupine | 2 |
| | Nilgiri Langur | 1 |
| | Sambar | 9 |
| | Spotted Deer/Chital | 1 |
| | Whale shark | 1 |
| | Wild Pig | 2 |

| Name of Division | Name of Animal | Number of Animals |
|-----------------------|-------------------------------|-------------------|
| Malayattoor Division | Asian palm civet | 6 |
| | Asiatic Elephant | 9 |
| | Gaur or Indian bison | 3 |
| | Indian Cobras | 1 |
| | Indian Flap Shell Turtle | 4 |
| | Indian Peafowl | 3 |
| | Indo-Pacific Humpback Dolphin | 1 |
| | Jackal | 4 |
| | Malabar/Indian Giant Squirrel | 1 |
| | Olive Ridley Sea Turtle | 1 |
| | Pythons | 4 |
| | Sambar | 3 |
| | Small Indian Civet | 1 |
| | Spotted Deer/Chital | 3 |
| | Wild Pig | 2 |
| Thrissur Division | Asian palm civet | 1 |
| | Asiatic Elephant | 1 |
| | Bonnet macaque | 1 |
| | Indian Peafowl | 13 |
| | Indian Porcupine | 5 |
| | Malabar Red Muntjak | 1 |
| | Pythons | 2 |
| | Sambar | 2 |
| | Spotted Deer/Chital | 2 |
| | Wild Pig | 2 |
| Vazhachal Division | Asiatic Elephant | 9 |
| | Sloth Bear | 1 |
| Total | | 113 |
| EASTERN CIRCLE | | |
| Mannarkad Division | Asiatic Elephant | 6 |
| | Bonnet macaque | 1 |
| | Gaur or Indian bison | 1 |
| | Nilgiri Langur | 1 |
| | Sambar | 3 |
| | Spotted Deer/Chital | 5 |
| Nenmara Division | Asiatic Elephant | 5 |
| | Gaur or Indian bison | 1 |
| | Indian Peafowl | 1 |
| | Malabar Red Muntjak | 1 |

| Name of Division | Name of Animal | Number of Animals |
|---------------------------|-------------------------------|-------------------|
| Nenmara Division | Sambar | 3 |
| | Spotted Deer/Chital | 9 |
| | Travancore Flying Squirrel | 1 |
| | Wild Pig | 6 |
| Nilambur (North) Division | Asiatic Elephant | 3 |
| | Bonnet macaque | 1 |
| | Indian Peafowl | 6 |
| | Jackal | 1 |
| | Pythons | 1 |
| | Sambar | 1 |
| | Spotted Deer/Chital | 2 |
| Wild Pig | 1 | |
| Nilambur (South) Division | Asiatic Elephant | 5 |
| | Bonnet macaque | 1 |
| | Indian Peafowl | 1 |
| | Indian Porcupine | 1 |
| | King Cobra | 1 |
| Palakkad Division | Asiatic Elephant | 2 |
| | Gaur or Indian bison | 1 |
| | King Cobra | 1 |
| | Malabar Red Muntjak | 1 |
| | Pythons | 1 |
| | Russel's viper | 1 |
| | Sambar | 2 |
| | Spotted Deer/Chital | 1 |
| Wild Pig | 2 | |
| Total | | 81 |
| NORTHERN CIRCLE | | |
| Kannur Division | Asiatic Elephant | 3 |
| | Bonnet macaque | 3 |
| | Common Barn Owl | 1 |
| | Gaur or Indian bison | 2 |
| | Indian Peafowl | 4 |
| | Indian Porcupine | 1 |
| | Indo-Pacific Humpback Dolphin | 1 |
| | Jungle cat | 1 |
| | Leopard or Panther | 1 |
| | Malabar Red Muntjak | 2 |
| | Nilgiri Langur | 1 |
| | Sambar | 3 |

| Name of Division | Name of Animal | Number of Animals |
|-------------------------------|-------------------------------|-------------------|
| Kannur Division | Spotted Deer/Chital | 1 |
| | Tiger | 2 |
| | Wild Pig | 1 |
| Kasaragod Division | Bengal Monitor | 2 |
| | Bonnet macaque | 2 |
| | Bryde's Whale | 1 |
| | Finless Porpoise | 1 |
| | Gaur or Indian bison | 6 |
| | Himalayan Vulture | 1 |
| | Indian Cobras | 1 |
| | Indian Peafowl | 13 |
| | Indian Porcupine | 3 |
| | Indo-Pacific Humpback Dolphin | 2 |
| | King Cobra | 1 |
| | Pythons | 2 |
| | Wild Pig | 10 |
| | Kozhikkode Division | Bengal Fox |
| Bryde's Whale | | 1 |
| Finless Porpoise | | 1 |
| Gaur or Indian bison | | 1 |
| Indian Peafowl | | 1 |
| Indo-Pacific Humpback Dolphin | | 3 |
| Leopard or Panther | | 1 |
| Malabar Red Muntjak | | 1 |
| Pythons | | 1 |
| Sambar | | 1 |
| Spotted Deer/Chital | | 1 |
| Wild Pig | | 6 |
| Wayanad (North) Division | Asiatic Elephant | 2 |
| | Bonnet macaque | 1 |
| | Gaur or Indian bison | 2 |
| | Indian Chevrotain/Mouse Deer | 1 |
| | Jungle cat | 1 |
| | Leopard Cat | 2 |
| | Leopard or Panther | 1 |
| | Lion-tailed Macaque | 1 |
| | Pythons | 1 |
| | Sambar | 2 |
| Spotted Deer/Chital | 9 | |

| Name of Division | Name of Animal | Number of Animals |
|--|----------------------|-------------------|
| Wayanad (South) Division | Bonnet macaque | 4 |
| | King Cobra | 1 |
| | Leopard Cat | 2 |
| | Leopard or Panther | 2 |
| | Malabar Red Muntjak | 6 |
| | Sambar | 1 |
| | Sloth Bear | 1 |
| | Spotted Deer/Chital | 2 |
| Wild Pig | 5 | |
| Total | | 138 |
| AGASTHYAVANAM BIOLOGICAL PARK | | |
| Shendurney Wildlife Sanctuary Division | Asiatic Elephant | 4 |
| | Lion-tailed Macaque | 1 |
| Thiruvananthapuram Wildlife Division | Asiatic Elephant | 1 |
| | Gaur or Indian bison | 10 |
| | Sambar | 1 |
| Total | | 17 |
| FIELD DIRECTOR (PERIYAR TR) | | |
| Eravikulam National Park Division | Asiatic Elephant | 1 |
| | Gaur or Indian bison | 8 |
| | Nilgiri Tahr | 1 |
| Idukki Wildlife Sanctuary Division | Bonnet macaque | 1 |
| | Jungle cat | 1 |
| Periyar (East) Division | Asiatic Elephant | 12 |
| | Bonnet macaque | 1 |
| | Gaur or Indian bison | 20 |
| | Great Hornbill | 1 |
| | Indian Porcupine | 1 |
| | Nilgiri Langur | 1 |
| | Sambar | 10 |
| | Sloth Bear | 1 |
| Tiger | 3 | |
| Periyar (West) Division | Asiatic Elephant | 3 |
| | Gaur or Indian bison | 1 |
| Total | | 66 |
| FIELD DIRECTOR (PARAMBIKUAM TR) | | |
| Parambikulam Tiger Reserve Division | Asiatic Elephant | 6 |
| | Gaur or Indian bison | 1 |
| Peechi Wildlife Sanctuary Division | Asiatic Elephant | 3 |
| | Spotted Deer/Chital | 6 |

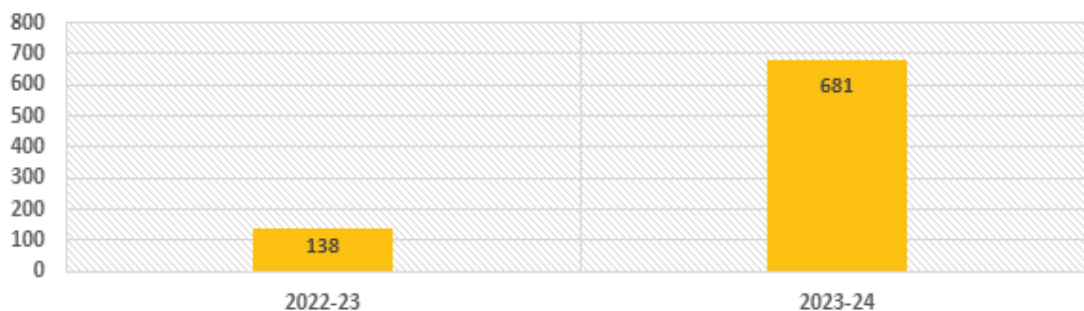
| Name of Division | Name of Animal | Number of Animals |
|--------------------------------------|------------------------|-------------------|
| Silent Valley National Park Division | Leopard Cat | 1 |
| | Leopard or Panther | 2 |
| Wayanad Wildlife Sanctuary Division | Asiatic Elephant | 7 |
| | Asiatic Wild Dog/Dhole | 1 |
| | Gaur or Indian bison | 1 |
| | Leopard Cat | 1 |
| | Leopard or Panther | 1 |
| | Sloth Bear | 1 |
| | Tiger | 4 |
| Total | | 35 |
| Grand Total | | 693 |

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, 681 wild pigs were killed during the year.

Table 3.11
Wild pig mortality (culling as per Govt.order) 2023-24

| Name of Circle | Culling of Wild pig as per Govt. Order |
|-------------------|--|
| Southern Circle | 67 |
| High Range Circle | 10 |
| Central Circle | 314 |
| Eastern Circle | 144 |
| Northern Circle | 146 |
| Total | 681 |

Graph 3.3 Wild pig culling (2022-23 vs 2023-24)



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 partnership institutions at the grassroots level, known as Vana Samrakshana Samithies (VSS) in territorial forest divisions and Eco-Development Committees (EDC) in wildlife divisions. In 2023-24, a total of 427 VSSs and 213 EDCs actively involved in managing and conserving 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 | Chalakydy | 13 | 4127.50 | 142 | 167 | 1598 |
| 15 | Thrissur | 22 | 3994.27 | 708 | 100 | 2455 |
| 16 | Palakkad | 13 | 2036.98 | 464 | 792 | 2009 |

| Sl. No. | Territorial Division | No. of VSS | Forest area under VSS(Ha) | No. of families | | |
|--------------|----------------------|------------|---------------------------|-----------------|--------------|--------------|
| | | | | SC | ST | Others |
| 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 2023-24, five 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 | Kottayam | 3 |
| 5 | Idukki | 12 |
| 6 | Ernakulam | 5 |
| 7 | Thrissur | 4 |
| 8 | Palakkad | 8 |
| 9 | Malappuram | 5 |
| 10 | Kozhikkode | 6 |
| 11 | Wayanad | 9 |
| 12 | Kannur | 5 |
| 13 | Kasargod | 1 |
| TOTAL | | 71 |

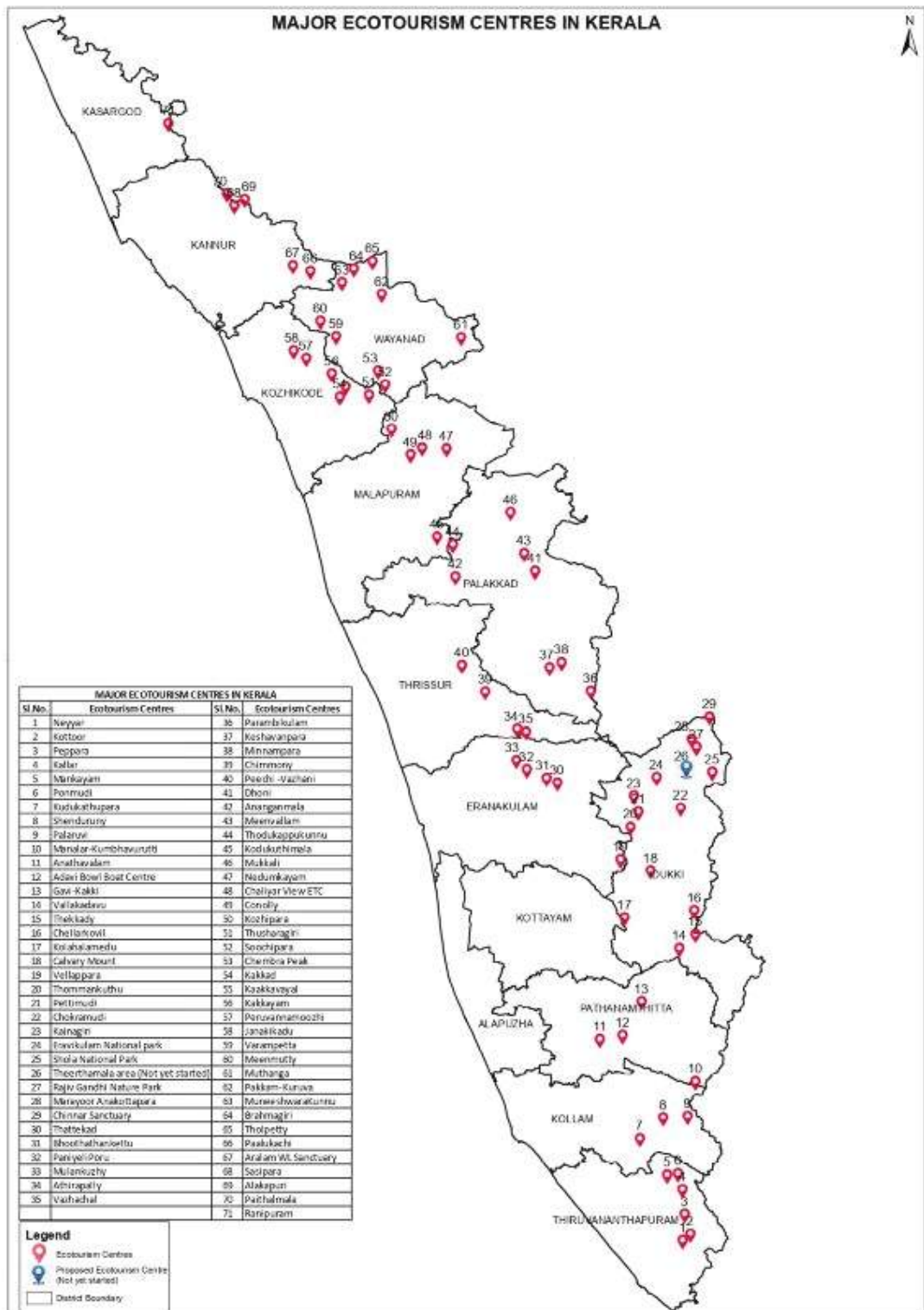


Table 4.4
Details of eco-tourism destinations in Kerala

| Sl. No. | Name of Destination & Yr of Establishment | Importance | How to reach | Facilities available | Entrance fee/Service charges | Contact |
|--------------------------------------|---|--|---------------------------------------|---|---|------------------------------|
| I THIRUVANANTHAPURAM DISTRICT | | | | | | |
| 1 | Kottoor (2010) | Sponsoring elephant feed, Bamboo rafting, Kattikkunnu 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 | 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 Kathirmudi Trekking - Rs.2500/5 for Indians | 8547602960 8547602969 |
| | | | | | Stay in the Cottage of Kottoor– Rs. 1600/4 Indians and 2500/4 Foreigners | |

| 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, Trekkings Boating in Neyyar lake, Agasthya ecotourism centre, K o m b a i - r a m cruise, 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.wild-lifeWarden,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, Manchadikkannam 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 (Trivan- drum-Nedumangad-Vithu- ra-Ponmudi) | IB (Water authority), Golden peak (KITDC), 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) |
| 5 | Mankayam (2005) | Mankayamwater falls and adjacent areas | By bus(Tyym- Nedumangad- Peringamala- Mangayam) | | 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) |

| Sl. No. | Name of Destination &Yr of Establishment | Importance | How to reach | Facilities available | Entrance fee/Service charges | Contact |
|----------------------------|--|---|--|--|---|---|
| 6 | Kallar (2005) | Meenmutty waterfalls in the evergreen forests in foot hills of Ponnudi | By bus- 29 km (Trivandrum-Nedumangad-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) |
| II. KOLLAM DISTRICT | | | | | | |
| 7 | Forest Museum (Kulathupuzha) (2023) | Children's park, Forest products, Information centre, | Trivandrum to Thenmala Road - 61 km (1 hr 40 minutes) | Snack bar, Guest house | 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/- | 8547677292 |
| 7 | ManalarKumbhavurutti (Achencovil) (2002) | Evergreen forest, Grass land, Trekking Shola forest, Water falls, Pilgrimage, Achencovil temple of Lord Ayyappa | 42 km-(Punalur Alimukku Mullumala Achen covil) 80 km-(Punalur- Thenmala Aryankavu) | Waterfalls, Trekking, Nature camps, Sight seeing | 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) | 0475 - 2342315 RFO, Achencovil 8547600501 |
| 8 | Palaruvi (Thenmala) (2002) | Water falls, Bourdilons plot – First stumped teak plantation of Kerala in 1891 Sight seeing Trekking | Punalur-36 km Arayankavu- 5 km Shenkottai- 20 km Kollam-80 km Trivandrum- 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 |

| Sl. No. | Name of Destination & Yr of Establishment | Importance | How to reach | Facilities available | Entrance fee/Service charges | Contact |
|-------------------------------------|---|---|--------------------------------|--|---|---|
| 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 (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) Twin Tower Kurumthotti Valavu& Bamboo Hut, Kalamkunnu – Rs. 8500/2 for Indians and Rs. 17000 /2 (24 hours) Jungle Retreat, Kalamkunnu – Rs. 3500/2 (One room) Rs. 10000/6 (Three room) | 8547602931 8547567935 |
| III. PATHANAMTHITTA DISTRICT | | | | | | |
| 11 | Konni Elephant Camp(2009) | Forest based eco-tourism development with focus on captive elephants, Elephant museum, Elephant bathing, Paper unit | Pathanamthitta - 12 km | Trekking, Rock climbing, Bird watching, Elephant ride, Elephant feeding, Vansheshop,Childrens park | Elephant kraal of Konni - Rs.50/- per adult, Rs. 20/- per child for Indian and Foreigners Elephant feeding (Anayoottu) 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 Bowl Boat Centre (2012) | Bowl boat riding &Tree Top Bamboo Hut, Adavi – Gavi Bus Tour | Konni-11 km | ---- | 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 hornbill, wood pecker and kingfishers are often sighted | Pathanamthitta – Vadaseri – Scethahodu – 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 |
| IV. KOTTAYAM DISTRICT | | | | | | |
| 14 | Chellarkovil (2004) | Panoramic view of Cumbum valley in Tamilnadu | Thekkady-17 km | Telescope Watch tower Sight seeing Bird watchingBotanicaland 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 | Kalvarimount (2004) | Panoramic view of Idukki arch dam reservoir and Idukki wildlife sanctuary | Thekkady-50 km (Along Kummily-Kattappana- Thodupuzha State highway) Pannavu - 15 km kuttikkannam-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) |
| V. IDUKKI DISTRICT | | | | | | |
| 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 Para (2003) | No.of dolmens (On the way Marayoor to Kanthalloor) | 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 (Kaimagiri) (2003) | Kaimagiri water falls & bathing. Semi evergreen and grassland vegetation. Trekking to Kannadipara | By road:- Munnar-23 kmKottayam-156 km Thiruvananthapuram-300 km, Aluva railway station -153 kmNeelamberry airport-153 km | Information centre cum eco shop | Waterfall visit and bathing- Rs.50/- per person Kannadipara trekking- Rs.300/- per 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 airport -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 / Thondiyaar – 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 |

| Sl. No. | Name of Destination & Yr of Establishment | Importance | How to reach | Facilities available | Entrance fee/Service charges | Contact |
|---------|---|--|--|--|--|--------------------------|
| 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, Rs. 335/- per foreigner 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, | Mathiketran Shola National Park- Munnar-34 km Theni rail- waystation-55 km Cochin airport-140 km Anamudi Shola National Park:- Marayoor- 40 km Aluva railwaysta- tion-150 km Cochin Airport-160 km Pampadam Shola National Park – Munnar 35 km | Amenity centre, Ethnic hut, Trekking, etc | Mathiketran 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 Anamudi Shola National Park:- Entrance fee- Rs. 30/- per Indian, Rs. 335/- per foreigner Methap Log house- Rs. 3000/- for 2 Indians, Rs. 4000/- for 2 foreigners Methap Stone house- Rs. 3000/- per 2 Indians, Rs. 4000/- per 2 foreigners, Trekking(3 hrs)- Rs. 300/- per Indian Rs. 700/- per Foreigner Pampadam 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 | 8547603199 8547603222 |

| Sl. No. | Name of Destination & Yr of Establishment | Importance | How to reach | Facilities available | Entrance fee/Service charges | Contact |
|---------|---|--|---|--|--|---|
| 22 | Thommankuthu (2004) | Ancient caves, Thomankoothu waterfalls-(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 andRs. 600/- for Foreigners | 8547601338 |
| 24 | Petymudi | Not functioning | | | Not functioning | |
| 25 | Theerthamala | Not functioning | | | Not functioning | |
| 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 hours) 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) Pambar log 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/- for 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 |
|-------------------------------|---|---|---|---|--|---|
| VI. ERNAKULAM DISTRICT | | | | | | |
| 28 | Kolahalamedu (Vagamon) | Wagamon pine forest, Grass Bridge, Pine Valley, Malimala Waterfalls, Hill Station, Grass land | Kottayam – 2 hr 9 minute Via Erattupetah – Wagamon 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-20km 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 | Paniyeliporu (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 | Bhooththankettu | Sight seeing Boating Salim Ali Bird Sanctuary | Ernakulam Junction 2 hr 1 min Via – Kuruppampady – Kottappady – Uppukandam – Malippara 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 |

| Sl. No. | Name of Destination & Yr of Establishment | Importance | How to reach | Facilities available | Entrance fee/Service charges | Contact |
|-------------------------------|---|---|--|---|---|---|
| 32 | Thattrekad (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 Thattrekad Bird Sanctuary - Rs. 150/- for adults and Rs. 70/- for children Frogon 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 Trail Trekking - Rs. 500/- for Indians and foreigners | 8547603174 8547603195 (Boating nit allowed during Dam opening) |
| 33 | Vellappara | Honeymoon Jungle Cottage, Lake view nest, Windy walk Trekking, Boating Vellappara | From Idukki 36 km | Night Jungle Camp, Resorts, Home stay | Honeymoon Jungle Cottage - Rs. 2000/2 Lake view Nest-Rs. 2000/- per room (Dbl room) - Lake view Nest - Rs. 3000/2 (Sngl room) Windy walk at Kollumban Trail Trekking - Rs. 300/- for Indians & Foreigners. Boating Vellappara - Rs. 125/- for Indians and foreigners | 8547603174 8547603195 0485-2588302 (Working all days) |
| VII. THRISSUR DISTRICT | | | | | | |
| 34 | Athirappilly (2000) | Water falls, Beautiful Vazhachal rapids, | Chalakkudy railway station-30 km Cochin international airport-55 km | IB & Dormitory, Nature camps, Nadukani Trekking, | 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 foreigners Parking 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, Vazhachal Trekking, | 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 |

| Sl. No. | Name of Destination & Yr of Establishment | Importance | How to reach | Facilities available | Entrance fee/Service charges | Contact |
|--------------------------------|---|---|---|--|---|--|
| 36 | Chimmony (2008) | Zone of Western Ghats, Medicinal plants diversity. | Thrisser 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 – | Asst. Wildlife Warden- 8547603454 8547603457 |
| 37 | Peechi - Vazhani | Rich biodiversity and diverse wildlife, 50 varieties orchids rare medicinal plants, teak and rose wood. | Thrisser East – 20 km - Thrisser Town – 22 km | Dam valley, Bison trekking, Elephant Saga Trekking, Watch Tower Trekking, | Choorathala Trekking- Rs.600/3 –for adults Turtle Ride- 400/4 for adults - Cycling – Rs. 200/- for adults 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 |
| VIII. PALAKKAD DISTRICT | | | | | | |
| 38 | Silent Valley Mukkali (2004) | National park, Thick evergreen forest | Palakkad railway station-60 km-(Palakkad to Mannarkad, on the way to Anakkatty, Mukkali stop.) Cochin international airport-165 km | Visit to wet evergreen forests, Trekking, Nature education | Panthamthodu Camp – Rs. 2500/1 Ponmala Trekking/ Karuvara Trekking/ Keerippara Trekking – Rs. 2000/5 for each trekking Sairandhri Jeep Safari – Rs. 9750/15 for Indians – Rs. 11025/15 for foreigners Rs. 3175/5 (Indian students) – Rs. 3275/5 (Foreign students) Rs. 3250/5 for Indians – Rs. 4775/5 for foreigners Rs. 3000/4 for Indians – Rs. 4220/4 for foreigners Rs. 2750/3 for Indians – Rs. 3665/3 for foreigners Rs. 2500/2 for Indians – Rs. 3110/2 for foreigners Keerippara camping – Rs. 4300/2 River Hut stay – Rs. 2500/2 Still Camera – Rs. 45/- Video Video Camera Rs. 335/- | 04924-253225 8589895652 (Monday not working) |

| Sl. No. | Name of Destination & Yr of Establishment | Importance | How to reach | Facilities available | Entrance fee /Service charges | Contact |
|---------|---|--|--|--|--|--|
| 39 | Parambikulam Tiger Reserve (2004) | Tiger reserve, Bio diversity hot spot, | Palakkad- 100 km Coimbatore - 100 km Thrissur-120 km | Vehicle safari, Trekking, Bird watching, Dam view point, Vanasree eco shop, Camping facilities-(Tented niche, Honey comb, Givet valley, Veettikunnu island nest, Tree top huts, Cheetal valley, Bison valley, Bear-hut,etc) Paid nature camps. | Entrance fee -Rs 30/- per Indian adult, Rs 335/- per foreigner Rs. 15/- for students and children A day in Parambikulam Rs. 970/10 Tented niche - For Indians 6900/- (week days), Rs. 7900/- (holidays) for 4 person for foreigners-Rs. 10900/- (week days), Rs. 12900/- (holidays) for 4 person Jungle Safari – Rs. 300/- per person Honey Comb - For Indians 5900/- (week days), Rs. 6900/- (holidays) for 4 person Veettikunnu Island nest :- For Indians-Rs. 9900/- (week days), Rs. 10900 for 5 (holidays), For foreigners-Rs. 11900/- (week days), Rs. 13900/- (holidays) for 5 persons Free top hut, Thunakadavu : For Indians -Rs. 5900/- (week days), Rs. 6900/- (holidays) for 4 persons. Rs. 700/4 for Indian children - Rs. 9900/- (week days) Rs. 11900/- (Holidays) 4 person for foreigners - Pug Mark Trekking – Rs. 720/- each Rs- 1220/- for foreigners Bear path Trelling – Rs. 300/- for week days Rs. 380/- for weekend days Rs. 500/- and Rs 580/- for foreigners respectively Peruvuri Island Nest – Rs. 6900/5 (week days) – Rs. 7900/5 (Holidays) for Indians – Rs. 10900/5 (week days) – Rs. 12900/5 (Holidays) for foreigners Light motor vehicle- Rs.85/-, Heavy vehicle- Rs.335/-, Camera- Rs.45/-, Video camera-Rs.335/-, | Information Centre, Anapady- 9442201690 9442201691 9442201685 |
| 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 |

| Sl. No. | Name of Destination &Yr of Establishment | Importance | How to reach | Facilities available | Entrance fee/Service charges | Contact |
|--------------------------------|--|--|--|--|--|--|
| 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 755899674 |
| 44 | Meenvallam (2004) | Water falls | Meenvallam-PKD 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 |
| IX. 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 |

| Sl. No. | Name of Destination & Yr of Establishment | Importance | How to reach | Facilities available | Entrance fee/Service charges | Contact |
|---------|---|--|--|---|--|---|
| 47 | Kodikuthimala (2003) | One of the coolest hill station in Malappuram district surrounded by streams, grass land and forest with incredible sun set view | 10 km from Perin- thalmana 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.150/Video 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 visit – 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/- Entry fee – Rs. 40/- for Indian adult - | 04931-220232 Carrying capacity 1500 Jankar for adult Rs. 40/- |
| 50 | Chaliyar View | | | | 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 |
|------------------------------|---|---|--------------------------------|---|---|---|
| X. 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 | Peruvanna-muzhy (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 vanam | Entry fee - Rs 40/- for adult, Rs 20/- per child, Rs. 100/- per foreigner Rs. 20/- for student | DFO, KKD 9447979073 8547602795 |

| Sl. No. | Name of Destination & Yr of Establishment | Importance | How to reach | Facilities available | Entrance fee/Service charges | Contact |
|-----------------------------|--|---|--|---|--|---|
| 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 |
| XI. 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 Foreigner Still 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 |

| Sl. No. | Name of Destination & Yr of Establishment | Importance | How to reach | Facilities available | Entrance fee/Service charges | Contact |
|---------|---|------------|-----------------------|--------------------------------------|---|--|
| 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- Rs.10/- 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-Mananthavady -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 – Meenmuttery water falls | Entry fee - Rs. 50/- for Indian adult Rs. 100/- foreigners. And Rs. 25/- for students Trekking – Meenmuttery – 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 | Meenmuttery Waterfalls, Makkiryad Banasuramala (2003) | Waterfalls, Childrens park | Mananthavady 4 th mile-Korome spot-Korome village office road - 2 km - 20 km from Mananthavady | Banasuramala Meenmuttery Water falls – Meenmuttery – 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 |
| XII. KANNUR DISTRICT | | | | | | |
| 66 | Paithalmala (Pura-thotty) (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 foreignersCamera- Rs. 150/- | 8547602621 8547602626 |

| Sl. No. | Name of Destination & Yr of Establishment | Importance | How to reach | Facilities available | Entrance fee/Service charges | Contact |
|--------------------------------|--|---|--|---|--|------------|
| 67 | Kanhirakolly (Alakapuri Water falls) (2006) | Waterfalls of 20 to 25m height | Kannur Rl.way station-75 km Kariipoor Air-port-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 |
| 68 | Aralam WLS | | | Aralam 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 | Sasippara View 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 |
| XIII. KASARGOD DISTRICT | | | | | | |
| 71 | Ranipuram (2006) | Scenic beauty of grass land and trek path | Kanhangad-45 km | DTPC Cottages toilet | Entry fee- Rs 50/- per Indian adult, Rs 20/- per Indian child and student. Rs 150/- per foreigner Still Camera&Video Camera – Rs. 50/- Parking – 2 Wheeler Rs.10/- 3 & 4 wheeler Rs. 30/- Medium vehicle Rs. 60/- Heavy vehicle Rs. 100/- | 8547602605 |

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

An amount of 2623.534 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 | Ponnudi | 498074 | 2625 | 20555 | 521254 | 26258645 |
| | | Paruthippally | Mankayam | 37510 | 15 | 2904 | 40429 | 1858701 |
| | | Kulathupuzha | Kallar | 111477 | 801 | 12532 | 124810 | 6010930 |
| 2 | Thenmala | Aryankavu | Forest Museum | 31520 | 10 | 12849 | 44379 | 1905451 |
| 3 | Ahencovil | Achencovil | Palaruvi | 240687 | 102 | 8277 | 249066 | 18567300 |
| 4 | Punalur | Anchal | Manalar-Kumbhavuruty | 164346 | 0 | 18273 | 182619 | 10785380 |
| 5 | Ranni | Goodrical | Kudukkathupara | 20874 | 1 | 1114 | 21989 | 784030 |
| 6 | Konni | Konni | Pachakkanam (Gavi) | 696 | 0 | 59 | 755 | 1428900 |
| | | Adavi | Eco Tourism | 199395 | 319 | 35190 | 234904 | 11657714 |
| | | Naduvaathumoozhy | Tree Top Huts | 920 | 6 | 101 | 1027 | 940000 |
| 7 | Kothamangalam | Kaliyar | Adavi& Bowl Boat Centre | 68995 | 269 | 10810 | 80074 | 10420325 |
| 8 | Munnar | Devikulam | Gavi Bus Tour | 696 | 0 | 59 | 755 | 1428900 |
| | | | Thommankuthu | 59736 | 194 | 46 | 59976 | 2309670 |
| | | | Chokramudi | 1939 | 883 | 0 | 2822 | 1305400 |

| Sl. No. | Division | Name of range | Location of eco-tourism centre | No. of Visitors | | | Income generated (in rupees) | |
|---------|----------------|---------------|--------------------------------|-----------------|------------|----------|------------------------------|----------|
| | | | | Native | Foreigners | Students | | Total |
| 9 | Kottayam | Erumeli | Erumeli | 1067736 | 0 | 0 | 1067736 | 11761370 |
| | | Kumily | Chellarcovil | 9873 | 146 | 1726 | 11745 | 226973 |
| 10 | Mankulam | Ayyappancoil | Kalvari mount | 231426 | 0 | 0 | 231426 | 6977850 |
| | | Mankulam | Kainagiri | 109016 | 2636 | 11444 | 123096 | 5974310 |
| 11 | Marayur Sandal | Marayur | Nakshathrakuthu&Anakulam | 46591 | 1752 | 7258 | 55601 | 2102376 |
| | | Kanthalloor | Rajiv Gandhi National Park | 20320 | 0 | 8566 | 28886 | 241880 |
| 12 | Vazhachal | Charpa | Anakottapara Park | 54633 | 84 | 20363 | 75080 | 626350 |
| | | | Athirappilly | 1046280 | 8606 | 226919 | 1281805 | 6730859 |
| 13 | Malayattoor | Kodanad | Vazhachal | 111913 | 264 | 15986 | 128163 | 672305 |
| | | Kalady | Paniyeliaporu VSS | 166988 | 169 | 20613 | 187770 | 9668650 |
| 14 | Mannarkkad | Thundathil | Mulamkuzhy VSS | 59096 | 368 | 9913 | 69377 | 3549655 |
| | | Agali | Bhoothathankettu | 43196 | 20 | 4101 | 47317 | 2050460 |
| 15 | Nilambur South | Karulai | Thodukappu | 24668 | 0 | 11223 | 35891 | 1054552 |
| | | Kallikavu | Nedumgayam | 54858 | 28 | 7949 | 62835 | 3191980 |
| 16 | Nilambur North | Edavanna | Kodikuthimala | 99783 | 119 | 3368 | 103270 | 4102380 |
| | | Nilambur | Conolly Plot, Aruvacode | 138971 | 0 | 5553 | 144524 | 4385150 |
| 17 | Palakkad | Ottappalam | Kozhipara | 93477 | 16 | 897 | 94390 | 3730472 |
| | | Olavakkode | Chandakkunnu | 56342 | 3 | 3056 | 59401 | 2487070 |
| 18 | Nemmara | Kollengode | Ananganmala | 29351 | 0 | 0 | 29351 | 1094625 |
| | | Nellyampathy | Meenvallam Waterfalls | 40890 | 0 | 0 | 40890 | 1016375 |
| | | | Dhoni Waterfalls | 14738 | 0 | 0 | 14738 | 1768560 |
| | | | Minnampara | 63557 | 44 | 1212 | 64813 | 4828840 |
| | | | Kesavanpara | 79650 | 27 | 2152 | 81829 | 1232720 |

| Sl. No. | Division | Name of range | Location of eco-tourism centre | No. of Visitors | | | | Income generated (in rupees) |
|--------------|---------------|----------------|--------------------------------|-----------------|--------------|---------------|----------------|------------------------------|
| | | | | Native | Foreigners | Students | Total | |
| 19 | Kozhikode | Thamarassery | Thusharagiri | 247292 | 1335 | 33805 | 282432 | 10704080 |
| | | | Kakkad | 20788 | 5 | 1095 | 21888 | 688955 |
| | | Peruvannamuzhi | Kakkavayal | 19830 | 0 | 4511 | 24341 | 662565 |
| | | | Janakikkad | 20354 | 4 | 4611 | 24969 | 679985 |
| 20 | Wayanad North | Kuttiady | Meenmutty - Makkayad | 26646 | 9 | 2303 | 28958 | 834375 |
| | | | Brahmagiri Trekking | 2556 | 110 | 356 | 3022 | 746501 |
| | | Mananthavady | Munceswarankunnu | 23142 | 28 | 1686 | 24856 | 616787 |
| | | | Meenmutty - Makkayad | 34958 | 0 | 2612 | 37570 | 930170 |
| 21 | Wayanad south | Kalpetta | Banasuramala - Meenmutty | 173065 | 248 | 3126 | 176439 | 11302551 |
| | | | Soochippara | 245035 | 494 | 8066 | 253595 | 16094722 |
| | | Meppady | Chembra | 49681 | 224 | 218 | 50123 | 15284218 |
| | | | Pakkom-Kuruva | 170815 | 392 | 37237 | 208444 | 16718812 |
| 22 | Kannur | Chedalathu | Paithalmala (Purathotty) | 33053 | 23 | 3242 | 36318 | 1961800 |
| | | | Alakapuri Waterfall | 10100 | 0 | 730 | 10830 | 519900 |
| | | Thaliparamba | Manjapullu | 8257 | 18 | 347 | 8622 | 493245 |
| | | | Sasipparaview point | 8638 | 1 | 492 | 9131 | 413660 |
| 23 | Kasargod | Kanhgand | Palukachi | 2154 | 3 | 154 | 2311 | 112880 |
| | | | Ranipuram | 70799 | 33 | 2166 | 72998 | 3619870 |
| TOTAL | | | | 6356416 | 22934 | 602527 | 6981877 | 262353394 |

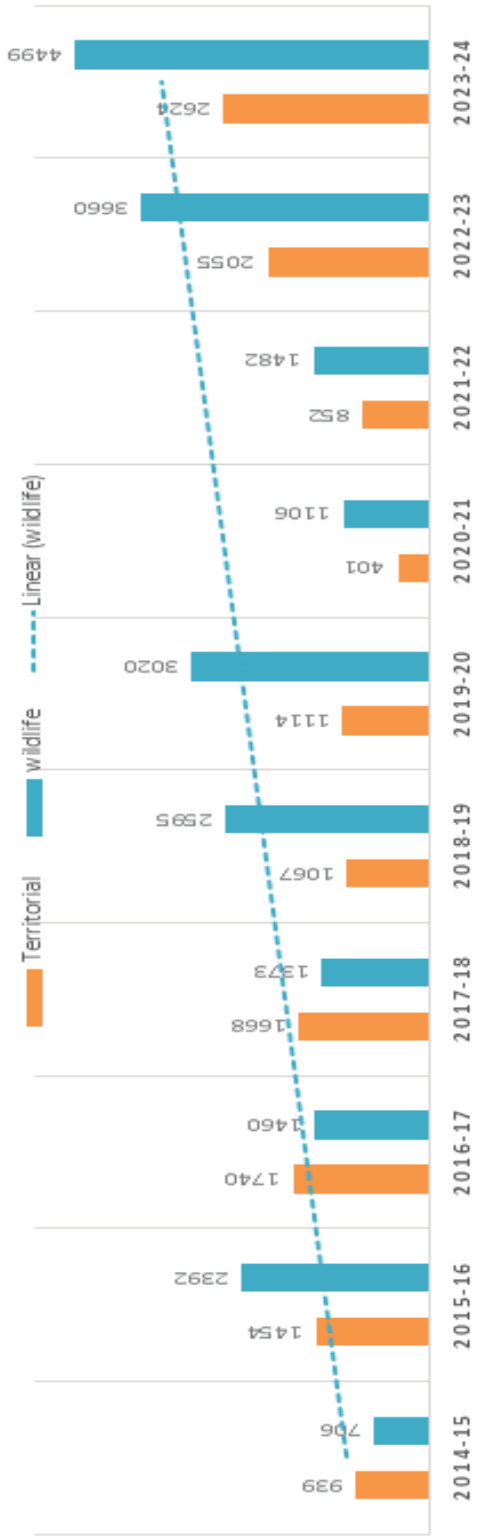
4.2.2. Visitors and Income generated from Eco-tourism activities in Wildlife Divisions

An amount of 4499.494 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 | 64336 | 2233 | 4603 | 71172 | 4077410 |
| 2 | Neyyar WLS | | | 29570 | 589 | 5972 | 36131 | 7001520 |
| 3 | Peppara WLS | | | 13278 | 56 | 465 | 13799 | 1620860 |
| 4 | Shenduruney WLS | Kollam | Shenduruney WL | 63975 | 6 | 1175 | 65156 | 8025825 |
| 5 | Thattakad bird sanctuary | Ernakulam | Idukki WLS | 68915 | 666 | 10172 | 79753 | 4095817 |
| 6 | Idukki WLS | Idukki | | 12439 | 34 | 2260 | 14733 | 2056385 |
| 7 | Malabar Sanctuary | Kozhikode | Kozhikode | 72522 | 27 | 3420 | 75969 | 2228310 |
| 8 | Wayanad WLS | Wayanad | Tholpetty EDC | 116375 | 1266 | 5082 | 122723 | 11782385 |
| | | | Muthanga EDC | 93315 | 884 | 13960 | 108159 | 43750521 |
| 9 | Parambikulam Tiger Reserve | Palakkad | Parambikkulam | 84296 | 190 | 7378 | 91864 | 75083776 |
| 10 | Periyar East Tiger Reserve | Idukki | Thekkady in PTR | 582057 | 37113 | 6690 | 625860 | 153800391 |
| | | | Vallakkadavu PTR | 14418 | 1188 | 53 | 15659 | 7582010 |
| 11 | Silent Valley NP | Palakkad | Mukkali | 27446 | 67 | 888 | 28401 | 11318065 |
| 12 | Eravikulam NP | Idukki | Munnar Wildlife | 514903 | 12724 | 86798 | 614425 | 101073707 |
| 13 | Chinnar WLS | | | 17531 | 975 | 0 | 18506 | 4161939 |
| 14 | Pampadum shola NP | Thrissur | Peechi-Vazhani | 9196 | 275 | 0 | 9471 | 4018450 |
| 15 | Chimmony WLS | | | 107920 | 78 | 2029 | 110027 | 7846164 |
| 16 | Aralam WLS | Kannur | Choolannur | 918 | 0 | 164 | 1082 | 57300 |
| | | | Aralam | 6144 | 35 | 1814 | 7993 | 368515 |
| TOTAL | | | | 1899554 | 58406 | 152923 | 2110883 | 449949350 |

Graph 4.1 Eco-tourism Income Trends in Territorial and Wildlife divisions (2014–15 to 2023-24)



4.3. 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 | Malayattoor | Panayeliporu |
| 25 | | Malayattoor |
| 26 | | Mobile Vanasree unit |
| 27 | Chalakydy | Chalakydy |
| 28 | Vazhachal | Athirappally |
| 29 | | Vazhachal |
| 30 | Palakkad | Malampuzha |
| 31 | | Ananganmala |
| 32 | Mannarkkad | Anakkatti |
| 33 | | Kanjirapuzha |
| 34 | | Thodukappukunnu |
| 35 | Nenmara | Pothundi |
| 36 | Nilambur North | Aruvakode |

| Sl. No. | Division | Location |
|--------------------|-----------------------------|--|
| 37 | Nilambur South | Kodikuthimala |
| 38 | | Nedumkayam |
| 39 | North Wayanad | Mananthavady |
| 40 | | Parathodam |
| 41 | South Wayanad | Banasura |
| 42 | | Chembra |
| 43 | Kozhikkode | Thusharagiri |
| 44 | | Peruvannamoozhy |
| 45 | Kannur | Nedumpoyil |
| 46 | Kasargode | Ranipuram |
| 47 | Thiruvananthapuram WL | Ecoshop, Neyyar |
| 48 | | Ecoshop, Kottoor |
| 49 | | Vanasree, Peppara (Holidays & Special Days only) |
| 50 | Schendurony Wildlife | Vanasree Schendurney |
| 51 | | Vanasree Rosemala |
| 52 | Periyar East | Pugmark Shop Boat Landing |
| 53 | | Pugmark Shop Information Centre |
| 54 | | Pugmark Shop Vallakkadavu |
| 55 | Periyar West | Pugmark Shop Pampa (Seasonal) |
| 56 | Idukki Wildlife | Thattekkad |
| 57 | | Vellappara (1) |
| 58 | | Vellappara (2) |
| 59 | Munnar Wildlife | Top Station, Shola NP |
| 60 | | Eravikulam, Eravikulam NP |
| 61 | | Lakkam, Eravikulam NP |
| 62 | | Karimutty, Chinnar WLS |
| 63 | | Chinnar, Chinnar WLS |
| 64 | Parambikulam, Wildlife | Parambikulam |
| 65 | | Anappady |
| 66 | Wayanad Wildlife | Muthanga |
| 67 | | Tholpetty |
| 68 | | Begur |
| 69 | Peechi Wildlife | Peechi |
| 70 | | Chimmony |
| 71 | Silent Valley National Park | Mukkali Town |
| 72 | | Vanasree Information Centre |
| 73 | Aralam WL | Aralam Vanasree |
| 74 | SF, Alappuzha | Kommadi |
| Total Sales | | 89746694 |

4.4. 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 2023-24 is provided below.

Table 4.8
Division/ Range wise details of Tribal Co-operative Societies

| Sl. No. | Division | Range | Name of society |
|---------|---------------|----------------------------------|--|
| 1 | Thenmala | Aryankavu | Aryankavu Girijan Co-op. Society, Aryankavu |
| 2 | Punalur | Anchal | Vanchiyodu SC/ST Society Ltd.No.Q1032, Venkolla.P.O, Madathara |
| 3 | Ranni | Ranni | Chollanavayal Girijan Service Co-op. society Ltd. No. Q 759 Adichippuzha |
| 4 | | Vadasserikkara | Perunthenaruvi Girijan Service Co-op. Society , Vechoochira |
| 5 | | Goodrical | Seethathode – Chittar Tribal Co-operative Society |
| 6 | Mankulam | Mankulam, Anakulam | Adimali Girijan Service Society |
| 7 | Munnar | Adimaly, Neriyanamangalam | Scheduled Tribe Service Co-operative Society Ltd. No. 3887 |
| 8 | | Devikulam, Munnar | Devikulam Scheduled Tribe Co-operative Society No. 112 |
| 9 | Kottayam | Nagarampara | Vazhathope ST Service Co-op. Society, Idukki |
| 10 | Kothamangalam | Thodupuzha, Mullaringad, Kaliyar | Tribal Service Co-op. Society, Vazhathope, Idukki |
| 11 | Thrissur | Pattikkad/Vadakkanchery/Machad | Thalappilly Taluk Girijan service co-op. society Ltd No. R-673 |
| 12 | Palakkad | Olavakkode, Walayar | Malampuzha Pattika Varga Co-op. Society |
| 13 | Mannarkkad | Agali | Sholayar Girijan Co-op. Society |
| 14 | | | Kottathara Tribal Co-op Society |
| 15 | | | Attappadi, Mannarkkad |
| 16 | Nemmara | Nelliyampathi | Malampuzha Girijan Co-operative Society |
| 17 | | Kollengode | Malampuzha.Pattikavarga Sevana Sahakarana Sangam Ltd |

| Sl. No. | Division | Range | Name of society |
|---------|----------------|----------------------------------|--|
| 18 | Nilambur North | Edavanna, Nilambur, Vazhikkadavu | Nilambur SC/ST Co-op. Society, Ramankuth |
| 19 | Nilambur South | Kalikavu, Karulai | Nilambur Tribal Co-op. society (No. M-114) |
| 20 | Wayanad South | Chedleth | Pulpally ST Co-op. Society |
| 21 | | | Sulthan Bathery ST Co-op. Society |
| 22 | | Meppady, Kalpetta | Meppady ST Co-op. Society |
| 23 | Wayanad North | Begur | Thirunelly Tribal Co-op. Society, Appapara, Thirunelly. P.O. |
| 24 | | Periya | Thavinhal Tribal Society, Thalapuzha |
| 25 | Kozhikkode | Kuttiady, Thamarassery | Vilangad ST Service Co-op. Society |
| 26 | Kannur | Kottiyoor | Nedumpoyil ST Service Co-op. Society, Nedumpoyil |
| 27 | Kasaragod | Kanhangad | ST Service Co-op. Society, Panathady |
| 28 | Silent Valley | SVNP range, Bhavani range | Kurumba Tribal Co-op. Society, Attappady |
| 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
31-03-2024

| Sl. No. | Name of post | Sanctioned Strength | Present Strength |
|---------|---|---------------------|------------------|
| 1 | Principal Chief Conservator of Forests* | 3 | 2 |
| 2 | Addl. Principal Chief Conservator of Forests* | 6 | 6 |
| 3 | Chief Conservator of Forests# | 11 | 4 |
| 4 | Conservator of Forests# | 13 | 4 |
| 5 | Dy. Conservator of Forest (IFS Cadre)# | 36 | 24 |
| 6 | Forest Tribunal (Judicial Staff) | 1 | 1 |
| 7 | Joint Secretary (Law) | 1 | 1 |
| 8 | Senior Finance Officer | 1 | 1 |
| 9 | Senior Administrative Officer | 1 | 1 |
| 10 | Deputy Director (Statistics) | 1 | 1 |
| 11 | Deputy Director (Wildlife Education) | 3 | 3 |
| 12 | Asst. Conservator of Forests / Deputy Conservator of Forests (NC) | 101 | 101 |
| 13 | Senior Administrative Assistant | 9 | 9 |
| 14 | Administrative Assistant | 12 | 12 |
| 15 | Personal Assistant | 3 | 3 |

| Sl. No. | Name of post | Sanctioned Strength | Present Strength |
|---------|--|---------------------|------------------|
| 16 | Senior Superintendent | 34 | 34 |
| 17 | Range Forest Officer | 205 | 205 |
| 18 | Deputy Range Forest Officer | 168 | 168 |
| 19 | Public Relation Officer | 1 | 1 |
| 20 | Assistant Forest Public Relation Officer | 3 | 1 |
| 21 | Junior Superintendent | 71 | 71 |
| 22 | Head Accountant | 74 | 74 |
| 23 | Research Assistant (Statistics) | 3 | 3 |
| 24 | Wildlife Assistant | 10 | 8 |
| 25 | Senior Clerk | 443 | 443 |
| 26 | Clerk | 444 | 439 |
| 27 | Statistical Assistant Grade. I & I I | 34 | 34 |
| 28 | Faircopy Superintendent | 8 | 8 |
| 29 | Selection Grade Typist | 33 | 33 |
| 30 | Senior Grade Typist | 33 | 33 |
| 31 | Typist Clerk | 1 | 1 |
| 32 | UD Typist | 34 | 34 |
| 33 | LD Typist | 34 | 34 |
| 34 | Confidential Assistant | 39 | 38 |
| 35 | Legal Assistant | 1 | 1 |
| 36 | Section Officer (Law) | 1 | 1 |
| 37 | Chief Forest Veterinary Officer | 1 | 0 |
| 38 | Asst. Forest Veterinary Officer | 17 | 12 |
| 39 | Forest Veterinary Officer | 1 | 1 |
| 40 | Veterinary Doctor | 1 | 1 |
| 41 | Documentation Officer | 1 | 0 |

| Sl. No. | Name of post | Sanctioned Strength | Present Strength |
|---------|-----------------------------|---------------------|------------------|
| 42 | Asst. Director (Survey) | 1 | 1 |
| 43 | Survey Superintendent | 2 | 2 |
| 44 | Head Surveyor | 2 | 1 |
| 45 | Surveyor Grade I & II | 45 | 36 |
| 46 | Bench Clerk (on deputation) | 1 | 1 |
| 47 | Section Forest Officer | 938 | 938 |
| 48 | Beat Forest Officer | 3126 | 2913 |
| 49 | Sheristadar cum Secretary | 1 | 1 |
| 50 | Head Draftsman | 2 | 2 |
| 51 | Draftsman | 39 | 35 |
| 52 | Circle Inspector of Police | 1 | 1 |
| 53 | Sub Inspector of Police | 4 | 0 |
| 54 | Senior Civil Police Officer | 3 | 1 |
| 55 | Civil Police Officer | 25 | 14 |
| 56 | Librarian | 1 | 1 |
| 57 | Project Operator | 1 | 0 |
| 58 | Pharmacist | 1 | 1 |
| 59 | Dispensary Attender | 1 | 0 |
| 60 | Nursing Assistant | 1 | 0 |
| 61 | Binder | 2 | 2 |
| 62 | PT Instructor | 6 | 2 |
| 63 | Record cum Store Keeper | 3 | 0 |
| 64 | Museum Assistant | 1 | 0 |
| 65 | Office Attendant | 420 | 386 |
| 66 | Sweeper cum Peon | 1 | 1 |
| 67 | Attender | 18 | 18 |
| 68 | Driver | 262 | 241 |

| Sl. No. | Name of post | Sanctioned Strength | Present Strength |
|--------------|--------------------------------------|---------------------|------------------|
| 69 | Photographer cum Artist | 1 | 1 |
| 70 | Gardener cum marker | 1 | 1 |
| 71 | Gardener | 1 | 1 |
| 72 | Cleaner | 2 | 0 |
| 73 | Muduvan Watcher | 8 | 6 |
| 74 | Night Watcher | 25 | 25 |
| 75 | RF Watcher / Depot Watcher | 194 | 157 |
| 76 | Forest Watcher (Special Recruitment) | 700 | 527 |
| 77 | Watcher cum Cook | 1 | 0 |
| 78 | Rest House Watcher | 1 | 0 |
| 79 | Scavenger / Sanitary Worker | 1 | 1 |
| 80 | Cook / Asst. Cook | 1 | 1 |
| 81 | Boat Driver | 11 | 4 |
| 82 | Boat Zrang | 1 | 0 |
| 83 | Boat Watcher | 2 | 0 |
| 84 | Boat Cleaner / Cleaner | 2 | 2 |
| 85 | Lascar | 1 | 0 |
| 86 | Survey Lascar | 4 | 3 |
| 87 | Mahouts & Kavadi | 27 | 7 |
| 88 | Waterman cum Gardener | 1 | 1 |
| 89 | Timber Supervisor | 1 | 0 |
| 90 | Bus Cleaner | 1 | 1 |
| 91 | Part Time Contingent Employees | 303 | 300 |
| TOTAL | | 8095 | 7487 |

*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 Forests posts are handled by Senior Dy. Conservator of Forests. The vacant posts of Deputy Conservators of Forests are filled under rule (9).

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 2023-24, 1444 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 | 810 |
| 2 | Section forest Officers training at Arippa&Walayar | 76 |
| 3 | Section forest Officer/ Beat Forest Officers training at Walayar | 73 |
| 4 | Deputy Range Forest Officer training at Arippa | 28 |
| 5 | Range Forest Officers training at Arippa and PTP Nagar | 121 |
| 6 | Range Forest Officer/ Deputy Range Forest Officer training at Walayar | 28 |
| 7 | Assistant forest Conservator/Deputy Forest Conservator training at Walayar | 33 |
| 8 | Junior Superintendent training at Walayar | 23 |
| 9 | Clerk training at Walayar | 37 |
| 10 | VSS/EDC Secretary training at Walayar | 37 |
| 11 | Head Accountant training at Walayar | 22 |
| 12 | Forest Driver training at Arippa&Walayar | 55 |
| 13 | KFDC Field Officer training at Walayar | 2 |
| 14 | Swimming training for Range Forest Officer trainees and others at Arippa | 99 |
| Total | | 1444 |

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, implemented by the department in 1988, was designed on the model of Police Stations. This shift from the beat section system aimed to improve forest protection by offering greater collective strength and security to the forest protective staff. Number of forest stations and check posts as on 31.03.2024 is 125 and 64 respectively.

Table 6.1
Division/ range-wise details of forest stations

| Sl. No. | Division | Range | Forest Stations | |
|------------------------|------------|-----------------|-----------------|--------------------|
| SOUTHERN CIRCLE | | | | |
| 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* |
| | | Mannarappara | 10 | Padom* |
| | | | 11 | Chempala* |
| 5 | Ranni | Ranni | 12 | Mannarappara |
| | | | 13 | Karikum* |
| | | | 14 | Kanamala |
| | | Vadasserikkara | 15 | Rajampara* |
| | | | 16 | Chittar |
| | | | 17 | Gurunathanmannu |
| | | Goodrikkal | 18 | Thannithodu* |
| | | | 19 | Plappally* |
| | | | 20 | Kochukoickal* |
| | | | 21 | Pachakkanam |

| Sl. No. | Division | Range | Forest Stations | |
|--------------------------|---------------|----------------|-----------------|-----------------|
| HIGH RANGE CIRCLE | | | | |
| 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 | | | | |
| 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 | Mukkampuzha |
| | | Kollathirumedu | 49 | Kollathirumedu* |
| | | Sholayar | 50 | Malakkappara* |
| | | | 51 | Sholayar |
| | | Athirappally | 52 | Athirappally* |
| 53 | Ezhattumugham | | | |
| 12 | Chalakydy | Pariyaram | 54 | Konnakuzhy |
| | | | 55 | Chaippankuzhy |
| | | Vellikulangara | 56 | Mupliyam* |

| Sl. No. | Division | Range | Forest Stations | |
|-----------------------|------------------|--------------|-----------------|-------------------|
| 13 | Malayattoor | Kodanadu | 57 | Perumthodu* |
| | | | 58 | Erumukham* |
| | | | 59 | Mekkappala* |
| | | Kalady | 60 | Karakkadu |
| | | | 61 | Kanimangalam |
| | | | 62 | Evergreen* |
| | | Thundathil | 63 | Bhoothathankettu |
| | | | 64 | Karimpani |
| | | | 65 | Edamalayar* |
| | | | 66 | Vadattuppara* |
| Kuttampuzha | 67 | Pooyamkutty | | |
| | 68 | Anakulam* | | |
| Edamalayar | 69 | Ennakal* | | |
| | 70 | Perumuzhy | | |
| EASTERN CIRCLE | | | | |
| 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* | | | |
| 16 | Nilambur (South) | Karulai | 81 | Singappara* |
| | | | 82 | Padukka* |
| | | Kalikavu | 83 | Nedumkayam |
| | | | 84 | Chakkikuzhi* |
| | | | 85 | Karuvarakundu |
| 17 | Nilambur (North) | Edavanna | 86 | Akampadam* |
| | | | 87 | Edacode* |
| | | | 88 | Kodumpuzha |
| | | Nilambur | 89 | Vaniyampuzha* |
| | | | 90 | Kanjirapuzha* |
| | | Vazhikkadavu | 91 | Nellikuthu |
| 92 | Pothukal* | | | |

| Sl. No. | Division | Range | Forest Stations | |
|---|------------------------|-----------------|-----------------|-----------------|
| NORTHERN CIRCLE | | | | |
| 18 | Wayanad (North) | Mananthavady | 93 | Makkiyad* |
| | | Begur | 94 | Thirunelly* |
| | | | 95 | Thalapuzha* |
| | | | 96 | Kunhome* |
| | | Periya | 97 | Varayal* |
| Wayanad (South) | Meppadi | | 98 | Mundakkai |
| | | 99 | Vythiri* | |
| | Chedleth | 100 | Irulam* | |
| | | 101 | Pulpally* | |
| 20 | Kozhikkode | Peruvannamoozhi | 102 | Kakkayam |
| | | | 103 | Peruvannamoozhy |
| FIELD DIRECTOR(PERIYAR TR) | | | | |
| 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 |
| FIELD DIRECTOR(PARAMBIKKULAM TR) | | | | |
| 24 | Silent Valley | Bhavani | 112 | Anavai |
| | | | 113 | Thudukki |
| 25 | Peechi | Peechi | 114 | Olakara* |
| | | | 115 | Peechi |
| | | | 116 | Vaniampara* |
| | | Chimmini | 117 | Chimmini |
| 118 | Kavala | | | |
| 26 | Wayanad WL | Kurichiat | 119 | Vandikkadavu |
| | | | 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

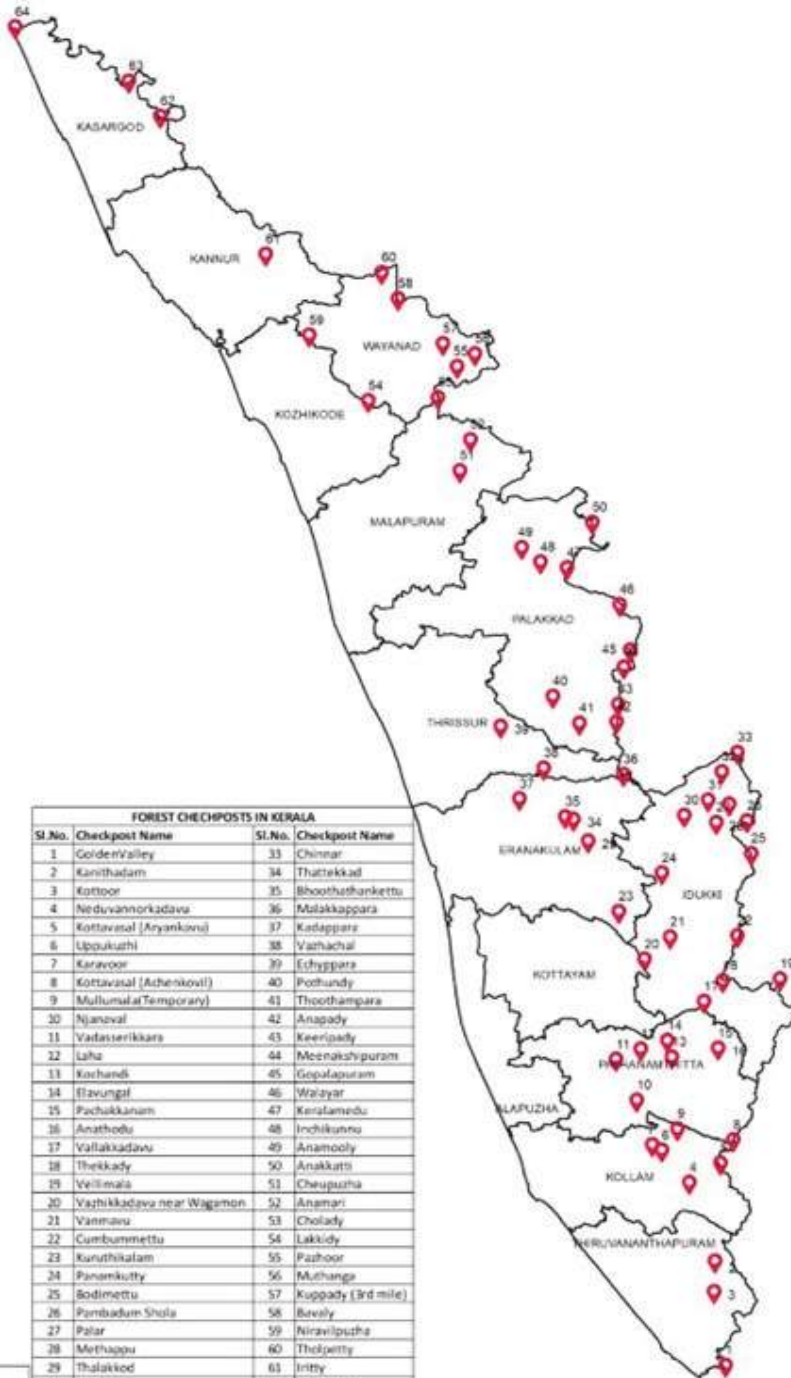
Table-6.2
Division/Range-wise details of check-posts

| Sl. No. | Division | Range | Check-posts |
|--------------------------|--------------------|----------------|---|
| SOUTHERN CIRCLE | | | |
| 1 | Thiruvananthapuram | Palode | 1 Goldenvalley |
| 2 | Thenmala | Thenmala | 2 Neduvannurkadavu |
| | | Aryankavu | 3 Kottavasal(Aryankavu)* |
| 3 | Punalur | Pathanapuram | 4 Karavoor |
| | | | 5 Uppukuzhi |
| 4 | Achenkovil | Achenkovil | 6 Kottavasal (Achenkovil)* |
| 5 | Konni | Naduvathumuzhy | 7 Njanaval |
| | | Naduvathumuzhy | 8 Padam |
| | | Mannarappara | 9 Mullumala (Temporary) |
| 6 | Ranni | Goodrical | 10 Kochandi |
| | | | 11 Elavungal |
| | | Vadasserikkara | 12 Vadasserikkara |
| | | Ranni | 13 Laha (Rajampara) |
| HIGH RANGE CIRCLE | | | |
| 7 | Kottayam | Kumili | 14 Cumbummettu* |
| | | Erumeli | 15 Vazhikadavu |
| 8 | Kothamangalam | Thodupuzha | 16 Guruthikalam |
| 9 | Munnar | Neriyamangalam | 17 Thalakkodu |
| | | | 18 Panamkutty |
| | | Devikulam | 19 Bodimettu |
| | | | 20 Palar |
| 10 | Marayur | Marayur | 21 Chattamunnar |
| CENTRAL CIRCLE | | | |
| 11 | Vazhachal | Charpa | 22 Charpa |
| | | Sholayar | 23 Sholayar |
| 12 | Malayattoor | Kalady | 24 Kadappara / Evergreen Forest Checkpost |
| | | Kuttampuzha | 25 Thattekadu |
| | | Thundathil | 26 Boothathankettu |
| EASTERN CIRCLE | | | |
| 13 | Nenmara | Nellyampathy | 27 Pothundi |
| | | Kollenkode | 28 Gopalapuram* |
| | | | 29 Meenakshipuram* |

| Sl. No. | Division | Range | Check-posts | |
|---|-----------------------|---------------|-------------|-------------------------------|
| 14 | Mannarkkad | Agali | 30 | Anakkatty* |
| | | | 31 | Inchikunnu |
| | | | 32 | Keralamedu Picket Station |
| | | Mannarkkadu | 33 | Anamooly |
| 15 | Palakkad | Walayar | 34 | Walayar* |
| 16 | Nilambur North | Vazhikkadavu | 35 | Anamari* |
| 17 | Nilambur South | Karulai | 36 | Cherupuzha |
| NORTHERN CIRCLE | | | | |
| 18 | Kannur | Kottiyor | 37 | Madathil |
| 19 | Kasargode | Kanjangad | 38 | Panathur* |
| | | Kasargode | 39 | Thalappady* |
| | | | 40 | Kottayadi* |
| 20 | Wayanad (North) | Periya | 41 | Valamthode |
| 21 | Wayanad (South) | Meppadi | 42 | Cholady* |
| | | Kalpetta | 43 | Lakkidi |
| AGASTHYAVANAM BIOLOGICAL PARK | | | | |
| 22 | Thiruvananthapuram WL | Peppara | 44 | Peppara Wildlife Sanctuary |
| | | Kottoor | 45 | ABP Range Kottoor |
| 23 | Shendurney WL | Shendurney | 46 | Rosemala |
| | | Shendurney | 47 | Kattilappara |
| FIELD DIRECTOR (PERIYAR TR) | | | | |
| 24 | Periyar East | Thekkady | 48 | Thekkady |
| | | Vallakkadavu | 49 | Gavi |
| | | | 50 | Vallakkadavu |
| 51 | Manalar | | | |
| 25 | Munnar WL | Eravikulam NP | 52 | 5 th Mile Rajamala |
| | | Chinnar WLS | 53 | Chinnar* |
| | | | 54 | Karimutty |
| | | Shola NP | 55 | Pambadum Shola |
| | | | 56 | Methappu |
| 57 | Perumala | | | |
| FIELD DIRECTOR (PARAMBIKULAM TR) | | | | |
| 26 | Wayanadu WL | Muthanga | 58 | Muthanga* |
| | | | 59 | Pazhoor* |
| | | Tholpetty | 60 | Tholpetty* |
| | | | 61 | Bavali* |
| 27 | Parambikulam | Sungam | 62 | Anappadi* |
| | | | 63 | Keerappadi* |

* - Interstate Check-post

FOREST CHECKPOSTS IN KERALA



| FOREST CHECKPOSTS IN KERALA | | | |
|-----------------------------|---------------------------|--------|--------------------|
| Sl.No. | Checkpoint Name | Sl.No. | Checkpoint Name |
| 1 | GoldenValley | 33 | Chinnar |
| 2 | Kanithadam | 34 | Thattakkad |
| 3 | Kottoor | 35 | Bhoothathankettu |
| 4 | Neduvannorkadava | 36 | Mulakkappara |
| 5 | Kottavinal (Aryankovil) | 37 | Kadappara |
| 6 | Uppukuzhi | 38 | Vathachal |
| 7 | Karavoer | 39 | Echyppara |
| 8 | Kottavinal (Athenkovi) | 40 | Pothundy |
| 9 | Mullumal Temporary | 41 | Thoothampara |
| 10 | Njanval | 42 | Anapady |
| 11 | Vattasserikkara | 43 | Keeripady |
| 12 | Laha | 44 | Meenakshipuram |
| 13 | Korhandi | 45 | Gopalapuram |
| 14 | Elavungal | 46 | Waziyar |
| 15 | Pachakkaniam | 47 | Keralamendu |
| 16 | Anathodu | 48 | Inchikunnu |
| 17 | Vallakkadavu | 49 | Anamooly |
| 18 | Thekkady | 50 | Anakkattu |
| 19 | Veilimala | 51 | Cheppuzha |
| 20 | Vajhikkadavu near Wagamon | 52 | Anamari |
| 21 | Vanamoru | 53 | Cholady |
| 22 | Cumbummettu | 54 | Lakkidy |
| 23 | Kunthikaliam | 55 | Pazhoor |
| 24 | Panamkuttu | 56 | Muthanga |
| 25 | Bodimettu | 57 | Kuppady (3rd mile) |
| 26 | Pambadam Shola | 58 | Bewaly |
| 27 | Palar | 59 | Nirvilpuzha |
| 28 | Methagpu | 60 | Tholpetty |
| 29 | Thalakkod | 61 | Iritty |
| 30 | Rajamala | 62 | Panathoor |
| 31 | Chattamunnar | 63 | Kottiyadi |
| 32 | Karimuttu | 64 | Thalappady |

Legend

- Checkposts
- District Boundary

6.3 Roads

The type wise details of roads maintained by the department as on 31.03.2024 are given below.

Table 6.3
Details of roads

| Sl. No. | Type of Road | Length (km) |
|--------------|---------------------------|-----------------|
| 1 | Black Topped | 591.773 |
| 2 | Metalled | 779.895 |
| 3 | Cement Concrete | 132.083 |
| 4 | Earthen Road (Unsurfaced) | 3579.527 |
| TOTAL | | 5083.278 |
| 1 | Motorable | 4316.643 |
| 2 | Non-motorable | 766.635 |

6.4 Buildings

As on 31.03.2024, 3614 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 | 63 |
| III | Quarters | |
| | a) Type VI | 20 |
| | b) Type V | 15 |
| | c) Type IV | 76 |
| | d) Type III | 214 |
| | e) Type II | 667 |
| | f) Type I | 343 |
| | g) Other Quarters | 214 |
| IV | Dormitory | 114 |
| V | Community Hall | 46 |
| VI | Forest Stations & Associated Buildings | 162 |
| VII | Other Buildings | 1340 |
| TOTAL | | 3614 |

6.5 Vehicles

Kerala Forest Department possesses 770 numbers of different types of vehicles. Of this, 586 are in running conditions. The details as on 31.03.2024 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 | 12 | 14 |
| 2 | Ambulance | 3 | 0 | 3 |
| 3 | ATV | 1 | 0 | 1 |
| 4 | Boat | 22 | 8 | 30 |
| 5 | Mahindra Bolero/Mahindra Xylo/XUV/Scorpio/Invader/Marazzo/Toyota Qualis | 123 | 18 | 141 |
| 6 | Bus/Minibus | 26 | 3 | 29 |
| 7 | E Rikshaw | 0 | 1 | 1 |
| 8 | Ford Fiesta | 1 | 0 | 1 |
| 9 | Force Gurkha Explorer | 20 | 1 | 21 |
| 10 | Lorry / Mini Lorry | 2 | 0 | 2 |
| 11 | Mahindra Jeep/Thar | 185 | 44 | 229 |
| 12 | Mahindra Verito | 3 | 0 | 3 |
| 13 | Maruthi Gypsy | 0 | 1 | 1 |
| 14 | Maruthi SX4 / Ciaz | 15 | 0 | 15 |
| 15 | Motor cycle | 61 | 89 | 150 |
| 16 | Scorpio Getaway/Mahindra Bolero Camper | 58 | 2 | 60 |
| 17 | Tata Safari | 4 | 0 | 4 |
| 18 | Tata Indigo/Indica/ Manza/Nexon/Tata Sumo | 4 | 3 | 7 |
| 19 | Tata Winger | 3 | 0 | 3 |
| 20 | ToyotoInnova | 35 | 0 | 35 |
| 21 | Yodha Pick-up | 17 | 2 | 19 |
| 22 | Fire Responder | 1 | 0 | 1 |
| TOTAL | | 586 | 184 | 770 |

Vehicles purchased / disposed

The number of vehicles purchased and disposed of during the year is 5 and 11 respectively. An amount of Rs.15.85 lakh has been received by the disposal of old vehicle. The details are given below.

Table 6.6
Details of vehicles purchased/disposed

| Sl No. | Type of Vehicle | Budget/ Scheme | Number of vehicles purchased | Amount (in Rupees) |
|--------------|------------------|-----------------------------|------------------------------|--------------------|
| 1 | Isuzu Cab | EMF | 1 | 1157112 |
| 2 | Bolero Neo N10 | EMF | 1 | 1094933 |
| 3 | Bolero Camper | MLA Fund | 1 | 1052569 |
| 4 | Isuzu Cab 2 WD | MP Fund | 1 | 1500000 |
| 5 | Mahindra Scorpio | FDA | 1 | 1810540 |
| Total | | | 5 | 6615154 |
| Sl No. | Type of Vehicle | Number of Vehicles disposed | | Amount (in lakhs) |
| 1 | Mahindra Jeep | 5 | | 15.85 |
| 2 | Bullet | 1 | | |
| 3 | Bolero | 3 | | |
| 4 | Mahindra Invader | 1 | | |
| 5 | Swaraj Mazda | 1 | | |
| Total | | | 11 | 15.85 |

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 31.03.2024 are given below.

Table 6.7
Details of arms and ammunitions

| Sl. No. | Circle | Arms | | | Total | Ammunitions | | |
|--------------|-----------------------------------|------------|------------|-----------------|------------|-------------|-------------|-------------------|
| | | Rifle | Revolver | Pump Action Gun | | Cartridge | Bullet | Cartridge for PAG |
| 1 | Southern Circle | 31 | 11 | 12 | 54 | 724 | 296 | 295 |
| 2 | High Range Circle | 49 | 14 | 10 | 73 | 658 | 520 | 339 |
| 3 | Central Circle | 49 | 10 | 5 | 64 | 900 | 187 | 146 |
| 4 | Eastern Circle | 52 | 8 | 12 | 72 | 1214 | 236 | 26 |
| 5 | Northern Circle | 31 | 6 | 4 | 41 | 865 | 185 | 2665 |
| 6 | Agasthyavanam Biological Park | 12 | 5 | 2 | 19 | 123 | 918 | 82 |
| 7 | Field Director (Periyar TR) | 91 | 19 | 70 | 180 | 783 | 607 | 1251 |
| 8 | Field Director (Parambikulam TR) | 72 | 15 | 22 | 109 | 1928 | 651 | 944 |
| 9 | Inspection & Evaluation, Kottayam | 15 | 6 | 0 | 21 | 146 | 152 | 0 |
| 10 | Inspection & Evaluation, Kozhikod | 16 | 8 | 0 | 24 | 261 | 208 | 0 |
| 11 | Human Resource Development | 2 | 2 | 1 | 5 | 16 | 11 | 8 |
| TOTAL | | 420 | 104 | 138 | 662 | 7618 | 3971 | 5756 |

Chapter – VII

PROMOTION OF TREES OUTSIDE FORESTS AND OUTREACH PROGRAMMES

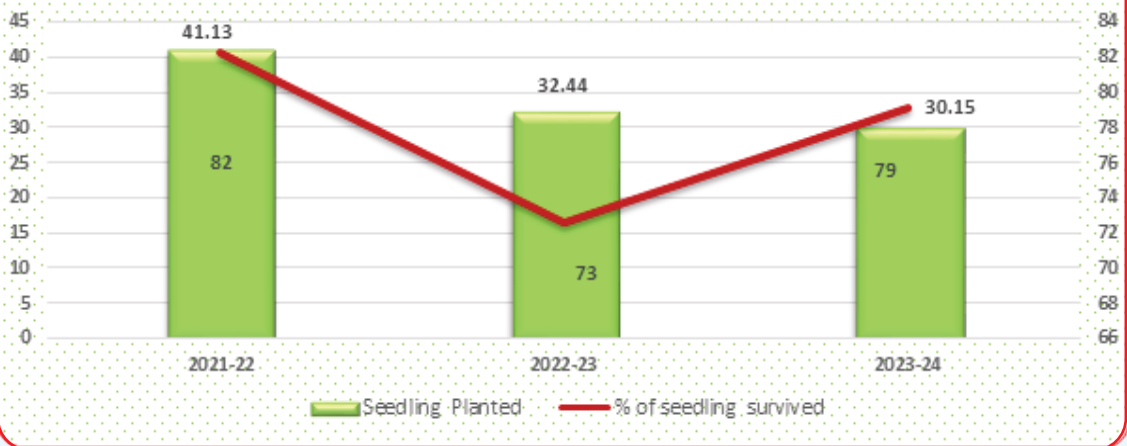
7.1 Vriksha Samridhi Scheme

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 2023-24 LS GD raised and planted 30.15 lakh seedlings. Forest department rendered only technical support for raising and planting of seedlings. District wise number of seedlings raised and survived during 2023-24 is shown below.

Table 7.1
Details of seedlings planted and survived under Vriksha Samridhi Scheme during 2023-24

| Sl. No. | Name of District | No. of seedlings planted (in lakh) | No. of seedlings survived (in lakh) | Survival Percentage |
|--------------------|--------------------|------------------------------------|-------------------------------------|---------------------|
| 1 | Thiruvananthapuram | 2.64 | 2.04 | 77.26 |
| 2 | Kollam | 1.99 | 1.61 | 80.92 |
| 3 | Pathanamthitta | 1.58 | 1.24 | 78.47 |
| 4 | Alappuzha | 9.50 | 8.20 | 86.36 |
| 5 | Kottayam | 1.14 | 0.56 | 48.87 |
| 6 | Ernakulam | 1.01 | 0.76 | 75.09 |
| 7 | Idukki | 0.39 | 0.36 | 92.63 |
| 8 | Thrissur | 1.40 | 1.10 | 78.64 |
| 9 | Palakkad | 1.55 | 1.50 | 96.55 |
| 10 | Malappuram | 1.87 | 1.72 | 92.00 |
| 11 | Wayanad | 2.43 | 1.30 | 53.42 |
| 12 | Kozhikkode | 1.05 | 0.83 | 78.78 |
| 13 | Kannur | 2.40 | 1.77 | 73.75 |
| 14 | Kasargode | 1.20 | 0.87 | 72.62 |
| GRAND TOTAL | | 30.15 | 23.86 | 79.13 |

Graph 7.1 Seedlings Planted (in lakhs) and Survival Percentage under Vriksha Samruddhi Scheme (2021-22 to 2023-24)



7.2 Prime Minister's 'Van DhanYojana'

The Van DhanVikasKendras (VDVKs) under the Van DhanVikasYojana, 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 Rs.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 Rs 2.12 Crore. These VDVKs aim to empower forest-dependent communities through the value addition and marketing of NWFP. The total outlay of the scheme is Rs. 402.25 lakhs. Of the Rs 201.125 lakh received as the first installment, the remaining Rs 83.162 lakh has been spent for the implementation of the scheme for the year 2023-24.

7.3 Pradhan Mantri Janjati Adivasi Nyaya Maha Abhiyan (PM JANMAN)

Among the tribal groups, the PVTG (Particularly Vulnerable Inbal Groups) are the most vulnerable. Therefore, more funds are required for the development of PVTG groups. In this context, the Central Government has identified about 75 vulnerable tribal groups across the country at various stages. Of these, 5 groups from Kerala, namely; Kadar, Kurumbar, Koragar, Cholanaikkan, and Kattunaikkan, have been included in the said list. These groups are very small in number in proportion to the population. The project to form PVTGVDVKs through the VDVK scheme for the empowerment of the above said sections is being implemented with the financial assistance from the TRIFED. Out of the sanctioned outlay of Rs.21.65 lakh, TRIFED has released Rs.10.825 lakh as the first installment. Currently, five PVTGVDVKs have been formed in Kerala in Wayanad and Palakkad districts

7.4 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 Rs.556.65 lakhs released to the SFDA,

an amount of Rs. 556.65 lakhs has been utilized and U.C as on 31.03.2023 has been submitted to TRIFED. APO for Rs.607.56 lakh has been submitted to Government of India and approval is pending.

7.5 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 Rs. 1507.54 lakhs, an amount of Rs. 1055.27 lakh was released and Rs. 540.96 lakhs has been utilized as on 31.03.2024. The works are in different stages of completion.

7.6 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’. 52 schools in 14 Districts have been selected for the scheme till date. GoI had approved the project for Rs. 47.00 lakh and released Rs. 32.90 lakh as first instalment Rs. 65800 per site. The amount has been spent by 14 Social Forestry FDAs for the scheme activities.

7.7 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 2023-24, a total of 6 Nagaravanams were established as part of this initiative. Details are given below.

| Sl. No | Name of District | Place | Name of institution |
|--------|--------------------|-------------------|--|
| 1 | Thiruvananthapuram | Menamkulam | Armed Women Police Battalion, Menamkulam |
| 2 | Pathanamthitta | Parakkodu block | Kerala Armed Police Camp, Adoor |
| | | Pulikkeezhu block | Believers Medical College, Thiruvalla |
| | | Thiruvalla | Railway Station Area |
| 3 | Ernakulam | Aluva | Aluva Municipal Area |
| 4 | Thrissur | Vellanikkara | Agriculture University |

7.8 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 44 numbers of Vidhyavanams during the 2023-24 period.

7.9 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 2023-24 a total of 104 Forestry Clubs were started.

7.10 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, Kunnivaka, 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 2023-24, Rs.4.061 lakh has been utilised for the financial assistance under incentivisation of private forestry.

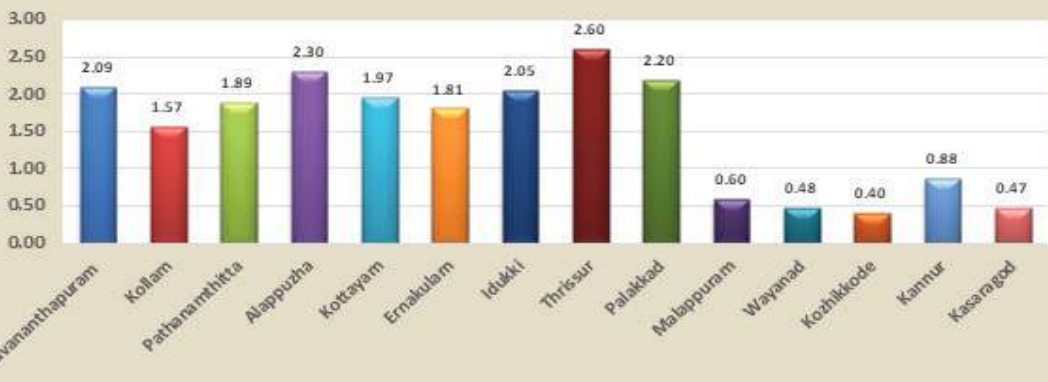
7.11 Distribution/Planting of Seedlings during 2023-24

During the year 21.31 lakh seedlings 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 planted during 2023-24 is shown below.

Table 7.2
District wise number of seedlings raised / distributed during 2023-24

| Sl. No. | Name of District | No. of seedlings raised | No. of seedlings distributed |
|--------------|--------------------|-------------------------|------------------------------|
| 1 | Thiruvananthapuram | 209160 | 208755 |
| 2 | Kollam | 157109 | 157109 |
| 3 | Pathanamthitta | 189000 | 189000 |
| 4 | Alappuzha | 230000 | 230000 |
| 5 | Kottayam | 197042 | 197042 |
| 6 | Ernakulam | 181021 | 181021 |
| 7 | Idukki | 205000 | 205000 |
| 8 | Thrissur | 260111 | 260111 |
| 9 | Palakkad | 220000 | 220000 |
| 10 | Malappuram | 60000 | 60000 |
| 11 | Wayanad | 47500 | 47500 |
| 12 | Kozhikkode | 40462 | 40462 |
| 13 | Kannur | 88000 | 88000 |
| 14 | Kasaragod | 47000 | 47000 |
| TOTAL | | 2131405 | 2131000 |

Graph 7.2 District wise number of seedlings raised / distributed during 2023-24



7.12 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 GO(Rt) no. 485/16/F&WLD dated 24.12.2016. The Assistant Conser-

vator 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 2023-24, 51 numbers of sacred groves have been selected for financial assistance throughout the state.

7.13 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. 15 persons received Vanamithra Award during 2023-24.

7.14 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 2023-24, the State Level Committee convened meetings on 22.07.2023, 07.11.2023, and 26.03.2024. In the meeting held on 22.07.2023, the Committee granted in-principle approval for 34 applications for transfer of ownership and 10 applications for inter-district transfer. In the meeting on 07.11.2023, in-principle approval was accorded for 43 applications for transfer of ownership and 7 applications for inter-district transfer. Similarly, in the meeting held on 26.03.2024, in-principle approval was granted for 46 applications for transfer of ownership and 9 applications for inter-district transfer. Authorized officers were instructed to take necessary steps to issue licences. It was also decided to develop software for the online submission of licence applications for Wood-Based Industrial units to streamline and expedite the licensing process.

Also, an amendment order has issued on 03.11.2023 as per G.O.(P) No.21/2023/F&WLD 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 203.15 lakh rupees 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 and amount has been distributed to divisions for various activities. During the financial year 2023-24, ₹ 210.319 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

During the financial year, the forestry sector received a combined allocation of Rs. 759.22crores, comprising Rs. 211.197crores under Plan and Rs. 548.02crores under Non-Plan provisions. Against this allocation, the sector achieved a total expenditure of Rs. 707.88crores, with Rs. 188.41crores utilized under Plan schemes and Rs. 519.47crores under Non-Plan schemes. The financial outlay was directed towards strengthening forest protection measures, improving core infrastructure essential for field operations, and advancing conservation initiatives aimed at safeguarding biodiversity and sustaining ecosystem services. This pattern of expenditure reflects the State's continued commitment to enhancing forest resilience, supporting frontline staff, and ensuring long-term ecological stability. The chapter covers details of the Plan and Non-Plan allotments and expenditure for the forestry sector.

Table 8.1
Financial Progress in Plan & Non plan schemes during the last five years
(Rs. in crores)

| Year | Plan | | | Non-Plan | | Total | | | % of achievement against Release |
|---------|--------------|-----------|---------------|--------------|---------------|--------------|-----------|---------------|----------------------------------|
| | Allo- cation | Re- lease | Achieve- ment | Alloca- tion | Achieve- ment | Alloca- tion | Re- lease | Achieve- ment | |
| 2023-24 | 305.230 | 211.197 | 188.410 | 548.020 | 519.470 | 853.250 | 759.220 | 707.880 | 93.24 |
| 2022-23 | 281.210 | 181.841 | 174.360 | 573.620 | 524.790 | 854.830 | 755.460 | 699.150 | 92.55 |
| 2021-22 | 252.220 | 205.614 | 204.310 | 549.440 | 565.550 | 801.660 | 755.050 | 769.860 | 101.96 |
| 2020-21 | 269.460 | 249.475 | 247.610 | 441.990 | 375.720 | 711.450 | 691.470 | 623.330 | 90.15 |
| 2019-20 | 256.010 | 216.170 | 160.270 | 408.990 | 390.910 | 665.000 | 625.160 | 551.180 | 88.17 |

Sector wise Outlay and Expenditure

The plan expenditure under the forestry sector during 2023-24 was ₹ 188.41crore, which is 61.73% of the total plan outlay. Out of this, state sector accounted an expenditure of ₹ 162.80 crore and central sector accounted an expenditure of ₹ 25.61 crore.

Table 8.2**Sector wise outlay and expenditure (Rs. in crores) during 2022-23 and 2023-24**

| Schemes | 2022- 23 | | 2023-24 | |
|---------------------|----------------|----------------|----------------|----------------|
| | Outlay | Expenditure | Outlay | Expenditure |
| State Sector | 226.010 | 158.900 | 242.570 | 162.800 |
| Central Sector | 55.200 | 15.460 | 62.660 | 25.610 |
| Total (Plan) | 281.210 | 174.360 | 305.230 | 188.410 |
| Non Plan | 573.620 | 524.790 | 548.020 | 519.470 |
| Grand Total | 854.830 | 699.150 | 853.250 | 707.880 |

8.2 Financial Progress under Plan and Non-plan Schemes**Plan Schemes**

During 2023-24, ₹18840.836 lakh was utilized against the release ₹ 21119.715 lakh and the budget provision is ₹30523.62 lakh. Details of budget provision, release and expenditure of the state and the central scheme is detailed below.

Table 8.3**Abstract of sector-wise budget provision, release and expenditure as on 31.03.2024 (Rs. in lakhs)**

| Sl. No | Category | Revised Budget Outlay | Release | Expenditure | % of Expenditure on Release amt | % of Expenditure on Revised Outlay |
|---------------------------|---------------------------------|-----------------------|------------------|------------------|---------------------------------|------------------------------------|
| 1 | 100% State Scheme | 20067.000 | 16618.360 | 14470.516 | 87.08 | 72.11 |
| 2 | 40% State share of CSS 60:40 | 4089.980 | 1940.360 | 1809.325 | 93.25 | 44.24 |
| 3 | 25% State share of CSS 75:25 | 100.000 | - | - | - | - |
| I | Total State share including CSS | 24256.980 | 18558.720 | 16279.841 | 87.72 | 67.11 |
| 1 | 60% Central Share | 5966.640 | 2560.995 | 2560.995 | 100.00 | 42.92 |
| 2 | 75% Central Share | 300.000 | - | - | - | - |
| II | Total Central Share | 6266.640 | 2560.995 | 2560.995 | 100.00 | 40.87 |
| Grand Total (I+II) | | 30523.620 | 21119.715 | 18840.836 | 89.21 | 61.73 |

Table 8.4
Details of budget headwise allotment and expenditure as on 31.03.2024 (Rs. in lakhs)

| Sl. No. | Name of Scheme / Head of Account | Revised Budget Outlay | | | Release during the year | | | Amount Spent | % of achievement against Release | % 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 | 2475.980 | - | 2475.980 | 2273.188 | 91.81 | 87.43 |
| 2 | Forest Protection (Survey of Forest Boundaries & Forest Protection) (4406-01-101-99) | 2800.000 | - | 2800.000 | 1820.560 | - | 1820.560 | 1608.731 | 88.36 | 57.45 |
| 3 | Regeneration of Denuded Forest (2406-01-101-94) | 300.000 | - | 300.000 | 225.480 | - | 225.480 | 187.101 | 82.98 | 62.37 |
| 4 | Non-wood Forest Produce Including Promotion of Medicinal Plants (2406-01-101-80) | 200.000 | - | 200.000 | 143.860 | - | 143.860 | 127.834 | 88.86 | 63.92 |
| | Sub Total (I) | 5900.000 | - | 5900.000 | 4665.880 | - | 4665.880 | 4196.855 | 89.95 | 71.13 |
| II Improving Productivity of Plantations | | | | | | | | | | |
| 1 | Hard Wood Species (4406-01-105-87) (01) | 500.000 | - | 500.000 | 364.100 | - | 364.100 | 330.999 | 90.91 | 66.20 |
| 2 | Industrial Raw Materials (4406-01-105-87) (02) | 200.000 | - | 200.000 | 144.740 | - | 144.740 | 130.720 | 90.31 | 65.36 |
| | Sub Total (II) | 700.000 | - | 700.000 | 508.840 | - | 508.840 | 461.719 | 90.74 | 65.96 |

| Sl. No. | Name of Scheme / Head of Account | Revised Budget Outlay | | | Release during the year | | | Amount Spent | % of achievement against Release | % of achievement against Revised Budget Outlay |
|------------|---|-----------------------|---------------|----------------|-------------------------|---------------|----------------|----------------|----------------------------------|--|
| | | State Share | Central Share | Total | State Share | Central Share | Total | | | |
| III | Infrastructure Development | | | | | | | | | |
| 1 | Roads (4406-01-070-99) | 400.000 | - | 400.000 | 260.000 | - | 260.000 | 245.236 | 94.32 | 61.31 |
| 2 | Building (4406-01-070-97) | 400.000 | - | 400.000 | 260.000 | - | 260.000 | 246.680 | 94.91 | 61.67 |
| | Sub Total | 800.000 | - | 800.000 | 519.902 | - | 519.902 | 491.916 | 94.62 | 61.49 |
| IV | Eco-Tourism (4406-01-800-91) | 700.000 | - | 700.000 | 455.000 | - | 455.000 | 430.804 | 94.68 | 61.54 |
| V | Human Resource Development (2406-01-003-97) | 350.000 | - | 350.000 | 350.000 | - | 350.000 | 348.665 | 99.62 | 99.62 |
| VI | Resource Planning & Research (2406-01-004-92) | 150.000 | - | 150.000 | 102.045 | - | 102.045 | 100.465 | 98.45 | 66.98 |
| VII | Forest Management Information System & GIS (2406-01-800-57) | 150.000 | - | 150.000 | 97.500 | - | 97.500 | 97.459 | 99.96 | 64.97 |
| VIII | Extension Community Forestry & Agro Forestry (2406-01-101-78) | 1000.000 | - | 1000.000 | 650.000 | - | 650.000 | 616.752 | 94.88 | 61.68 |
| IX | Works with assistance from RIDF (4406-01-800-90) | 5157.00 | - | 5157.000 | 4725.875 | - | 4725.875 | 3616.892 | 76.54 | 70.14 |
| X | Measures to reduce Man Animal conflict (2406-01-800-56) | 3085.000 | - | 3085.000 | 3085.000 | - | 3085.000 | 2914.892 | 94.49 | 94.49 |

| Sl. No. | Name of Scheme / Head of Account | Revised Budget Outlay | | | Release during the year | | | Amount Spent | % of achievement against Release | % of achievement against Revised Budget Outlay |
|----------|---|-----------------------|----------------|------------------|-------------------------|---------------|------------------|------------------|----------------------------------|--|
| | | State Share | Central Share | Total | State Share | Central Share | Total | | | |
| XI | Zoological Park at Puthur, Thrissur (2406-02-110-48) | 600.000 | - | 600.000 | 348.000 | - | 348.000 | 176.797 | 50.80 | 29.47 |
| XII | Elephant Rehabilitation Centre at Kappukkad near Kottoor (2406-02-110-29) | 100.000 | - | 100.000 | 65.000 | - | 65.000 | 62.490 | 96.14 | 62.49 |
| XIII | Conservation of Biodiversity (2406-02-110-68) | 1000.000 | - | 1000.000 | 788.800 | - | 788.800 | 719.129 | 91.17 | 71.91 |
| XIV | Eco Development Programme (2406-02-110-56) | 375.000 | - | 375.000 | 256.425 | - | 256.425 | 235.681 | 91.91 | 62.85 |
| | SUB TOTAL (A) | 20067.000 | - | 20067.000 | 16618.365 | - | 16618.365 | 14470.516 | 87.08 | 72.11 |
| B | SCHEMES HAVING 60:40 SHARES BETWEEN CENTRE 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 | - | 15.090 | 15.090 | 15.090 | 100.00 | 27.19 |
| | Neyyar Wildlife Sanctuary (2406-02-110-28) (02) | 37.000 | - | 37.000 | 9.752 | - | 9.752 | 9.752 | 100.00 | 26.36 |
| | Sub Total | 37.000 | 55.500 | 92.500 | 9.752 | 15.090 | 24.842 | 24.842 | 100.00 | 26.86 |
| 2 | Wayanad Wildlife Sanctuary (2406-02-110-27) (01) | - | 120.000 | 120.000 | - | 27.321 | 27.321 | 27.321 | 100.00 | 22.77 |
| | Wayanad Wildlife Sanctuary (2406-02-110-27) (02) | 80.000 | - | 80.000 | 18.214 | - | 18.214 | 18.214 | 100.00 | 22.77 |
| | Sub Total | 80.000 | 120.000 | 200.000 | 18.214 | 27.321 | 45.535 | 45.535 | 100.00 | 22.77 |

| Sl. No. | Name of Scheme / Head of Account | Revised Budget Outlay | | | Release during the year | | | Amount Spent | % of achievement against Release | % 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 | - | 17,669 | 17,669 | 100.00 | 29.45 | |
| | Idukki Wildlife Sanctuary (2406-02-110-26) (02) | 40,000 | - | 40,000 | 11,779 | - | 11,779 | 100.00 | 29.45 | |
| | Sub Total | 40,000 | 60,000 | 100,000 | 11,779 | 17,669 | 29,448 | 100.00 | 29.45 | |
| 4 | Peechi, Vazhani (2406-02-110-25) (01) | - | 60,000 | 60,000 | - | 15,479 | 15,479 | 100.00 | 25.80 | |
| | Peechi, Vazhani (2406-02-110-25) (02) | 40,000 | - | 40,000 | 10,319 | - | 10,319 | 100.00 | 25.80 | |
| | Sub Total | 40,000 | 60,000 | 100,000 | 10,319 | 15,479 | 25,798 | 100.00 | 25.80 | |
| 5 | Peppara Wildlife Sanctuary (2406-02-110-24) (01) | - | 48,000 | 48,000 | - | 9,300 | 9,300 | 100.00 | 19.38 | |
| | Peppara Wildlife Sanctuary (2406-02-110-24) (02) | 32,000 | - | 32,000 | 5,574 | - | 5,574 | 100.00 | 17.42 | |
| | Sub Total | 32,000 | 48,000 | 80,000 | 5,574 | 9,300 | 14,874 | 100.00 | 18.59 | |
| 6 | Shendurney Wildlife Sanctuary (2406-02-110-23) (01) | - | 60,000 | 60,000 | - | 13,215 | 13,215 | 100.00 | 22.03 | |
| | Shendurney Wildlife Sanctuary (2406-02-110-23) (02) | 40,000 | - | 40,000 | 8,761 | - | 8,761 | 100.00 | 21.90 | |
| | Sub Total | 40,000 | 60,000 | 100,000 | 8,761 | 13,215 | 21,976 | 100.00 | 21.98 | |

| Sl. No. | Name of Scheme / Head of Account | Revised Budget Outlay | | | Release during the year | | | Amount Spent | % of achievement against Release | % of achievement against Revised Budget Outlay |
|---------|---|-----------------------|---------------|---------------|-------------------------|---------------|---------------|---------------|----------------------------------|--|
| | | State Share | Central Share | Total | State Share | Central Share | Total | | | |
| 7 | Chimimoney Wildlife Sanctuary (2406-02-110-22) (01) | - | 52.500 | 52.500 | - | 13.661 | 13.661 | 13.661 | 100.00 | 26.02 |
| | Chimimoney Wildlife Sanctuary (2406-02-110-22) (02) | 35.000 | - | 35.000 | 7.431 | - | 7.431 | 7.431 | 100.00 | 21.23 |
| | Sub Total | 35.000 | 52.500 | 87.500 | 7.431 | 13.661 | 21.092 | 21.092 | 100.00 | 24.10 |
| 8 | Aralam Wildlife Sanctuary (2406-02-110-21) (01) | - | 52.500 | 52.500 | - | 12.255 | 12.255 | 12.255 | 100.00 | 23.34 |
| | Aralam Wildlife Sanctuary (2406-02-110-21) (02) | 35.000 | - | 35.000 | 8.093 | - | 8.093 | 8.093 | 100.00 | 23.12 |
| | Sub Total | 35.000 | 52.500 | 87.500 | 8.093 | 12.255 | 20.348 | 20.348 | 100.00 | 23.25 |
| 9 | Chinnar Wildlife Sanctuary (2406-02-110-20) (01) | - | 39.000 | 39.000 | - | 11.349 | 11.349 | 11.349 | 100.00 | 29.10 |
| | Chinnar Wildlife Sanctuary (2406-02-110-20) (02) | 26.000 | - | 26.000 | 7.566 | - | 7.566 | 7.566 | 100.00 | 29.10 |
| | Sub Total | 26.000 | 39.000 | 65.000 | 7.566 | 11.349 | 18.915 | 18.915 | 100.00 | 29.10 |
| 10 | Thattakkad Birds Sanctuary (2406-02-110-19) (01) | - | 34.500 | 34.500 | - | 13.751 | 13.751 | 13.751 | 100.00 | 39.86 |
| | Thattakkad Birds Sanctuary (2406-02-110-19) (02) | 23.000 | - | 23.000 | 9.167 | - | 9.167 | 9.167 | 100.00 | 39.86 |
| | Sub Total | 23.000 | 34.500 | 57.500 | 9.167 | 13.751 | 22.918 | 22.918 | 100.00 | 39.86 |

| Sl. No. | Name of Scheme / Head of Account | Revised Budget Outlay | | | Release during the year | | | Amount Spent | % of achievement against Release | % 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 | - | 2.910 | 2.910 | 2.910 | 100.00 | 24.25 |
| | Mangalavanam Birds Sanctuary (2406-02-110-18) (02) | 8.000 | - | 8.000 | 1.940 | - | 1.940 | 1.940 | 100.00 | 24.25 |
| | Sub Total | 8.000 | 12.000 | 20.000 | 1.940 | 2.910 | 4.850 | 4.850 | 100.00 | 24.25 |
| 12 | Kurinjimala Sanctuary (2406-02-110-17) (01) | - | 18.000 | 18.000 | - | 5.493 | 5.493 | 5.493 | 100.00 | 30.52 |
| | Kurinjimala Sanctuary (2406-02-110-17) (02) | 12.000 | - | 12.000 | 3.662 | - | 3.662 | 3.662 | 100.00 | 30.52 |
| | Sub Total | 12.000 | 18.000 | 30.000 | 3.662 | 5.493 | 9.155 | 9.155 | 100.00 | 30.52 |
| 13 | Choolannur Peacock Sanctuary (2406-02-110-16) (01) | - | 15.000 | 15.000 | - | 4.080 | 4.080 | 4.080 | 100.00 | 27.20 |
| | Choolannur Peacock Sanctuary (2406-02-110-16) (02) | 10.000 | - | 10.000 | 2.720 | - | 2.720 | 2.720 | 100.00 | 27.20 |
| | Sub Total | 10.000 | 15.000 | 25.000 | 2.720 | 4.080 | 6.800 | 6.800 | 100.00 | 27.20 |
| 14 | Malabar Sanctuary (2406-02-110-15) (01) | - | 25.500 | 25.500 | - | 6.033 | 6.033 | 6.033 | 100.00 | 23.66 |
| | Malabar Sanctuary (2406-02-110-15) (02) | 17.000 | - | 17.000 | 4.012 | - | 4.012 | 4.012 | 100.00 | 23.60 |
| | Sub Total | 17.000 | 25.500 | 42.500 | 4.012 | 6.033 | 10.045 | 10.045 | 100.00 | 23.64 |

| Sl. No. | Name of Scheme / Head of Account | Revised Budget Outlay | | | Release during the year | | | Amount Spent | % of achievement against Release | % 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 | 7.125 | 7.125 | 7.125 | 100.00 | 25.00 |
| | Kottiyoor Wildlife Sanctuary (2406-02-110-14) (02) | 19.000 | - | 19.000 | 4.280 | - | 4.280 | 4.280 | 100.00 | 22.53 |
| | Sub Total | 19.000 | 28.500 | 47.500 | 4.280 | 7.125 | 11.405 | 11.405 | 100.00 | 24.01 |
| 16 | Karimpuzha Wildlife Sanctuary (2406-02-110-13) (01) | - | 33.000 | 33.000 | 0.000 | 8.543 | 8.543 | 8.543 | 100.00 | 25.89 |
| | Karimpuzha Wildlife Sanctuary (2406-02-110-13) (02) | 22.000 | - | 22.000 | 4.815 | - | 4.815 | 4.815 | 100.00 | 21.89 |
| | Sub Total | 22.000 | 33.000 | 55.000 | 4.815 | 8.543 | 13.358 | 13.358 | 100.00 | 24.29 |
| | Sub Total of WL Sanctuaries | 476.000 | 714.000 | 1190.000 | 118.085 | 183.274 | 301.359 | 301.359 | 100.00 | 25.32 |
| ii | Management of National Parks | | | | | | | | | |
| 1 | Eravikulam National Park (2406-02-110-79) (01) | - | 75.000 | 75.000 | 0.000 | 18.171 | 18.171 | 18.171 | 100.00 | 24.23 |
| | Eravikulam National Park (2406-02-110-79) (02) | 50.000 | - | 50.000 | 12.114 | - | 12.114 | 12.114 | 100.00 | 24.23 |
| | Sub Total | 50.000 | 75.000 | 125.000 | 12.114 | 18.171 | 30.285 | 30.285 | 100.00 | 24.23 |
| 2 | Silent Valley National Park (2406-02-110-78) (01) | - | 84.000 | 84.000 | 0.000 | 15.090 | 15.090 | 15.053 | 99.75 | 17.92 |
| | Silent Valley National Park (2406-02-110-78) (02) | 56.000 | - | 56.000 | 10.060 | - | 10.060 | 10.060 | 100.00 | 17.96 |
| | Sub Total | 56.000 | 84.000 | 140.000 | 10.060 | 15.090 | 25.150 | 25.113 | 99.85 | 17.94 |

| Sl. No. | Name of Scheme / Head of Account | Revised Budget Outlay | | | Release during the year | | | Amount Spent | % of achievement against Release | % of achievement against Revised Budget Outlay |
|---------|---|-----------------------|----------------|----------------|-------------------------|---------------|---------------|---------------|----------------------------------|--|
| | | State Share | Central Share | Total | State Share | Central Share | Total | | | |
| 3 | Anamudi National Park (2406-02-110-77) (01) | - | 33,000 | 33,000 | - | 8,355 | 8,355 | 8,355 | 100.00 | 25.32 |
| | Anamudi National Park (2406-02-110-77) (02) | 22,000 | - | 22,000 | 5,570 | - | 5,570 | 5,570 | 100.00 | 25.32 |
| | Sub Total | 22,000 | 33,000 | 55,000 | 5,570 | 8,355 | 13,925 | 13,925 | 100.00 | 25.32 |
| 4 | Mathikettanmala National Park (2406-02-110-76) (01) | - | 33,000 | 33,000 | - | 8,664 | 8,664 | 8,664 | 100.00 | 26.25 |
| | Mathikettanmala National Park (2406-02-110-76) (02) | 22,000 | - | 22,000 | 5,776 | - | 5,776 | 5,776 | 100.00 | 26.25 |
| | Sub Total | 22,000 | 33,000 | 55,000 | 5,776 | 8,664 | 14,440 | 14,440 | 100.00 | 26.25 |
| 5 | Pampadumshola National Park (2406-02-110-75) (01) | - | 33,000 | 33,000 | - | 8,679 | 8,679 | 8,679 | 100.00 | 26.30 |
| | Pampadumshola National Park (2406-02-110-75) (02) | 22,000 | - | 22,000 | 5,786 | - | 5,786 | 5,786 | 100.00 | 26.30 |
| | Sub Total | 22,000 | 33,000 | 55,000 | 5,786 | 8,679 | 14,465 | 14,465 | 100.00 | 26.30 |
| | Sub Total of National Parks | 172,000 | 258,000 | 430,000 | 39,306 | 58,959 | 98,265 | 98,228 | 99.96 | 22.84 |

| Sl. No. | Name of Scheme / Head of Account | Revised Budget Outlay | | | Release during the year | | | Amount Spent | % of achievement against Release | % 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 | 4,695 | 4,695 | 4,695 | 100.00 | 26.08 |
| | 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 | 3,130 | - | 3,130 | 3,130 | 100.00 | 26.08 |
| | Sub Total | 12,000 | 18,000 | 30,000 | 3,130 | 4,695 | 7,825 | 7,825 | 100.00 | 26.08 |
| iv | Project Tiger (60:40 between Central and State) | | | | | | | | | |
| 1 | Periyar Tiger Reserve (2406-02-110-74) (01) | - | 546,490 | 546,490 | 0,000 | 305,573 | 305,573 | 305,573 | 100.00 | 55.92 |
| | Periyar Tiger Reserve (2406-02-110-74) (02) | 360,280 | - | 360,280 | 254,974 | - | 254,974 | 254,974 | 100.00 | 70.77 |
| | Sub Total | 360,280 | 546,490 | 906,770 | 254,974 | 305,573 | 560,547 | 560,547 | 100.00 | 61.82 |

| Sl. No. | Name of Scheme / Head of Account | Revised Budget Outlay | | | Release during the year | | | Amount Spent | % of achievement against Revised Budget Outlay | % of achievement against Release |
|---------|--|-----------------------|-----------------|-----------------|-------------------------|----------------|-----------------|-----------------|--|----------------------------------|
| | | State Share | Central Share | Total | State Share | Central Share | Total | | | |
| 2 | Parambikulam Tiger Reserve (2406-02-110-73) (01) | - | 414.950 | 414.950 | - | 260.619 | 260.619 | 260.619 | 100.00 | 62.81 |
| | Parambikulam Tiger Reserve (2406-02-110-73) (02) | 272.560 | - | 272.560 | 220.088 | - | 220.088 | 220.088 | 100.00 | 80.75 |
| | Sub Total | 272.560 | 414.950 | 687.510 | 220.088 | 260.619 | 480.707 | 480.707 | 100.00 | 69.92 |
| | Periyar Tiger Reserve (TSP) (2406-02-796-96) (01) | - | 23.510 | 23.510 | - | 23.510 | 23.510 | 23.510 | 100.00 | - |
| | Periyar Tiger Reserve (TSP) (2406-02-796-96) (02) | 19.720 | - | 19.720 | 19.720 | - | 19.720 | 19.720 | 100.00 | - |
| | Sub Total | 19.720 | 23.510 | 43.230 | 19.720 | 23.510 | 43.230 | 43.230 | 100.00 | |
| | Parambikulam Tiger Reserve (TSP) (2406-02-796-94) (01) | - | 20.050 | 20.050 | - | 20.050 | 20.050 | 20.050 | 100.00 | - |
| | Parambikulam Tiger Reserve (2406-02-796-94) (02) | 17.440 | - | 17.440 | 17.440 | - | 17.440 | 17.440 | 100.00 | - |
| | Sub Total | 17.440 | 20.050 | 37.490 | 17.440 | 20.050 | 37.490 | 37.490 | 100.00 | - |
| | Sub Total of Project Tiger | 670.000 | 1005.000 | 1675.000 | 512.222 | 609.752 | 1121.974 | 1121.974 | 100.00 | 66.98 |

| Sl. No. | Name of Scheme / Head of Account | Revised Budget Outlay | | | Release during the year | | | Amount Spent | % of achievement against Release | % of achievement against Revised Budget Outlay |
|---------|--|-----------------------|----------------|-----------------|-------------------------|----------------|----------------|----------------|----------------------------------|--|
| | | State Share | Central Share | Total | State Share | Central Share | Total | | | |
| v | Project Elephant (2406-02-110-35)(01) | - | 780.000 | 780.000 | - | 342.912 | 342.912 | 342.912 | 100.00 | 43.96 |
| | Project Elephant (2406-02-110-35)(02) | 520.000 | - | 520.000 | 222.292 | - | 222.292 | 222.292 | 100.00 | 42.75 |
| | Subtotal of Project Elephant | 520.000 | 780.000 | 1300.000 | 222.292 | 342.912 | 565.204 | 565.204 | 100.00 | 43.48 |
| vi | Recovery Programme for NilgiriTahr | | | | | | | | | |
| 1 | Recovery Programme for NilgiriTahr (2406-02-110-12(01) # | - | 39.000 | 39.000 | - | 9.750 | 9.750 | 9.750 | 100.00 | 25.00 |
| | Recovery Programme for NilgiriTahr (2406-02-110-12(02) | 26.000 | - | 26.000 | 6.500 | - | 6.500 | 6.500 | 100.00 | 25.00 |
| | Sub Total | 26.000 | 39.000 | 65.000 | 6.500 | 9.750 | 16.250 | 16.250 | 100.000 | 25.00 |
| 1 | Recovery Programme for Vulture (2406-02-110-11(01) # | - | 33.000 | 33.000 | - | 8.309 | 8.309 | 8.309 | 100.00 | 25.18 |
| | Recovery Programme Vulture (2406-02-110-11(02) # | 22.000 | - | 22.000 | 5.542 | - | 5.542 | 5.542 | 100.00 | 25.19 |
| | Sub Total | 22.000 | 33.000 | 55.000 | 5.542 | 8.309 | 13.851 | 13.851 | 100.00 | 25.18 |

| Sl. No. | Name of Scheme / Head of Account | Revised Budget Outlay | | | Release during the year | | | Amount Spent | % of achievement against Release | % of achievement against Revised Budget Outlay |
|----------|--|-----------------------|----------------|-----------------|-------------------------|----------------|----------------|----------------|----------------------------------|--|
| | | State Share | Central Share | Total | State Share | Central Share | Total | | | |
| 2 | National Mission for Green India | - | - | - | - | - | - | - | - | |
| i | National Afforestation Programme - National Mission for Green India (60:40 between Centre and State) | - | 600.000 | 600.000 | - | - | - | - | - | |
| | (2406-01-102-86) (01) | | | | | | | | | |
| | National Afforestation Programme - National Mission for Green India (60:40 between Centre and State) | 400.000 | - | 400.000 | - | - | 0.000 | - | - | |
| | (2406-01-102-86) (02) | | | | | | | | | |
| | Sub Total | 400.000 | 600.000 | 1000.000 | - | - | - | - | - | |
| 3 | FPMS CSS 60% | | | | | | | | | |
| i | Forest Fire Prevention & Management Scheme (2406-01-101-77) (01) (FPMS) | - | 471.600 | 471.600 | - | 471.600 | 471.600 | 471.600 | 100.00 | 100.00 |
| | Forest Fire Prevention & Management Scheme (2406-01-101-77) (02) (FPMS) | 314.410 | - | 314.410 | 314.410 | - | 314.410 | 314.410 | 100.00 | 100.00 |
| | Sub Total | 314.410 | 471.600 | 786.010 | 314.410 | 471.600 | 786.010 | 786.010 | 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 | % of achievement against Revised Budget Outlay |
|----------|---|-----------------------|----------------|-----------------|-------------------------|----------------|-----------------|---------------|----------------------------------|--|
| | | State Share | Central Share | Total | State Share | Central Share | Total | | | |
| ii | Forest Fire Prevention & Management Scheme TSP (2406-01-796-98) (01) ** | - | 156.040 | 156.040 | - | 156.040 | 156.040 | 100.00 | 100.00 | |
| | Forest Fire Prevention & Management Scheme TSP (2406-01-796-98) (02) ** | 104.020 | - | 104.020 | 104.020 | - | 104.020 | 100.00 | 100.00 | |
| | Sub Total | 104.020 | 156.040 | 260.060 | 104.020 | 156.040 | 260.060 | 100.00 | 100.00 | |
| | Sub Total of FPMS | 418.430 | 627.640 | 1046.070 | 418.430 | 627.640 | 1046.070 | 100.00 | 100.00 | |
| 4 | Conservation of Natural Resources & Ecosystems | | | | | | | | | |
| i | Nilgiri Biosphere Reserve (2406-02-110-34) (01) | - | 270.000 | 270.000 | - | - | - | - | - | |
| | Nilgiri Biosphere Reserve (2406-02-110-34) (02) | 180.000 | - | 180.000 | - | - | - | - | - | |
| | Sub Total | 180.000 | 270.000 | 450.000 | - | 0.000 | - | - | - | |
| ii | Agasthyamala Biosphere Reserve (2406-02-110-33) (01) | - | 180.000 | 180.000 | - | 59.656 | 59.656 | 100.00 | 33.14 | |
| | Agasthyamala Biosphere Reserve (2406-02-110-33) (02) | 120.000 | - | 120.000 | 39.768 | - | 39.768 | 100.00 | 33.14 | |
| | Sub Total | 120.000 | 180.000 | 300.000 | 39.768 | 59.656 | 99.424 | 100.00 | 33.14 | |

| Sl. No. | Name of Scheme / Head of Account | Revised Budget Outlay | | | Release during the year | | | Amount Spent | % of achievement against Release | % of achievement against Revised Budget Outlay |
|---------|--|-----------------------|----------------|-----------------|-------------------------|----------------|-----------------|----------------|----------------------------------|--|
| | | State Share | Central Share | Total | State Share | Central Share | Total | | | |
| iii | Wetland Conservation (2406-02-110-32) (01) | - | 242.000 | 242.000 | - | - | - | - | - | |
| | Wetland Conservation (2406-02-110-32) (02) | 161.000 | - | 161.000 | - | - | - | - | - | |
| | Sub Total | 161.000 | 242.000 | 403.000 | - | - | - | - | - | |
| iv | National costal mission (conservation and management of mangroves in vembanaid and kannur region) (2406-02-110-10) (01) | - | - | - | - | - | - | - | - | |
| | National costal mission (conservation and management of mangroves in vembanaid and kannur region) (2406-02-110-10) (02) | 14.550 | - | 14.550 | 14.550 | - | 14.550 | 12.550 | 86.25 | |
| | Sub Total | 14.550 | - | 14.550 | 14.550 | - | 14.550 | 12.550 | 86.25 | |
| v | Integrated Development of Wildlife Habitats to Wayanad Wildlife Sanctuary for Voluntary Relocation of Settlements from Protected Areas (2406-02-110-31) (01) | - | 600.000 | 600.000 | - | 553.500 | 553.500 | 553.500 | 100.00 | |
| | Integrated Development of Wildlife Habitats to Wayanad Wildlife Sanctuary for Voluntary Relocation of Settlements from Protected Areas (2406-02-110-31) (02) | 498.000 | - | 498.000 | 498.000 | - | 498.000 | 369.000 | 74.10 | |
| | Sub Total | 498.000 | 600.000 | 1098.000 | 498.000 | 553.500 | 1051.500 | 922.500 | 84.02 | |

| Sl. No. | Name of Scheme / Head of Account | Revised Budget Outlay | | | Release during the year | | | Amount Spent | % of achievement against Release | % of achievement against Revised Budget Outlay |
|----------|---|-----------------------|-----------------|------------------|-------------------------|-----------------|------------------|------------------|----------------------------------|--|
| | | State Share | Central Share | Total | State Share | Central Share | Total | | | |
| vi | Integrated Development of Wildlife Habitats - Protection of wildlife outside Protected Areas. (2406-02-110-52) (01) | - | 600.00 | 600.000 | - | 102.551 | 102.551 | 102.551 | 100.00 | 17.09 |
| | Integrated Development of Wildlife Habitats - Protection of wildlife outside Protected Areas. (2406-02-110-52) (02) | 400.000 | - | 400.000 | 62.534 | - | 62.534 | 62.534 | 100.00 | 15.63 |
| | Sub Total | 400.000 | 600.000 | 1000.000 | 62.534 | 102.551 | 165.085 | 165.085 | 100.00 | 16.51 |
| | Subtotal of Nature Resources & Ecosystems | 1373.550 | 1892.000 | 3265.550 | 614.852 | 715.707 | 1330.559 | 1199.559 | 90.15 | 36.73 |
| | SUB TOTAL (B) | 4089.980 | 5966.640 | 10056.620 | 1940.359 | 2560.998 | 4501.357 | 4370.320 | 97.09 | 43.46 |
| C | SCHEMES HAVING 75:25 SHARES BETWEEN CENTRE AND STATE | | | | | | | | | |
| | Minimum Support Price For Minor Forest Produce 2406-01-105-89 (01) | - | 300.000 | 300.000 | - | - | - | - | - | - |
| | Minimum Support Price For Minor Forest Produce 2406-01-105-89 (02) | 100.000 | - | 100.000 | - | - | - | - | - | - |
| 1 | SUB TOTAL (C) | 100.000 | 300.000 | 400.000 | - | - | - | - | - | - |
| | GRAND TOTAL (A+B+C) | 24256.980 | 6266.640 | 30523.620 | 18558.724 | 2560.995 | 21119.719 | 18840.836 | 89.21 | 61.73 |

Non-Plan Schemes

An expenditure of ₹ 51947.038 lakh was incurred against the budget provision of ₹ 54802.180 lakh during 2023-24. Details on budget head-wise allotment and expenditure are shown below.

Table 8.5
Financial progress report for the year 2023-24 (Non-plan schemes)

| Sl No. | Scheme & Head of Account | 2023-24 (Rs. in Lakhs) | |
|--|---|-------------------------|------------------|
| | | Outlay | Expenditure |
| I Direction & Administration (2406-01-001) | | | |
| 1 | Office of the Chief Conservator of Forests (2406-01-001-99) | 2481.120 | 2479.751 |
| 2 | Office of the Conservator of Forests (2406-01-001-98) Circle Office | 988.760 | 967.665 |
| 3 | Working Plan & Research Circle (2406-01-001-97) | 94.060 | 77.628 |
| 4 | Vigilance & Evaluation Wing (2406-01-001-96) | 2110.130 | 2129.912 |
| 5 | District Offices (2406-01-001-95) | 16549.600 | 16061.905 |
| 6 | Statistical Cell (2406-01-001-94) | 8.670 | 9.451 |
| 7 | Timber Sales Division (2406-01-001-93) | 865.840 | 848.094 |
| 8 | (2406-01-001-91) | 60.350 | 65.524 |
| 9 | (2406-01-001-90) | 355.380 | 238.253 |
| Sub Total | | 23513.910 | 22878.183 |
| II Education & Training (2406-01-003) | | | |
| 1 | Education and Training (2406-01-003-99) | 470.330 | 214.051 |
| Sub Total | | 470.330 | 214.051 |
| III Forest Research (2406-01-004) | | | |
| 1 | Forest Research & Training (2406-01-004-99) | 94.950 | 92.521 |
| 2 | Payment out of the KFDF for Forest Research (2406-01-004-95) | 517.120 | 129.423 |
| Sub Total | | 612.070 | 221.944 |
| IV Survey and Utilization of Forest Resources (2406-01-005) | | | |
| 1 | Forest Resources Survey (2406-01-005-99) | 62.380 | 55.181 |
| 2 | Survey of Forest Boundaries (2406-01-005-98) | 302.760 | 263.616 |
| 3 | (2406-01-005-97) | 12.730 | 0 |
| Sub Total | | 377.870 | 318.797 |
| V Statistics (2406-01-013) | | | |
| 1 | Planning & Statistical Cell (2406-01-013-99) | 220.420 | 230.365 |
| Sub Total | | 220.420 | 230.365 |
| VI Transportation & Buildings (2406-01-070) | | | |
| 1 | Roads & Bridges (2406-01-070-99) | 38.000 | 23.680 |
| 2 | Buildings (2406-01-070-98) | 71.350 | 43.014 |
| Sub Total | | 109.350 | 66.694 |

| Sl No. | Scheme & Head of Account | 2023-24 (Rs. in Lakhs) | |
|---|--|-------------------------|------------------|
| | | Outlay | Expenditure |
| VII Forest Conservation Development & Regeneration (2406-01-101) | | | |
| 1 | Forest Consolidation & Acquisition of Private Forests (2406-01-101-99) | 5161.630 | 5579.269 |
| 2 | Working Plans, Evaluation Survey, etc. (2406-01-101-98) | 1.800 | 1.099 |
| 3 | Silvicultural Works (2406-01-101-97) | 8.000 | 5.200 |
| 4 | Fire Protection Work (2406-01-101-96) | 11.080 | 10.476 |
| 5 | Compensatory Afforestation (2406-01-101-92) | 5.000 | 3.175 |
| 6 | Amount met out of KFDF for Planting Softwood Trees (2406-01-101-91) | 775.670 | 682.959 |
| 7 | Transfer to the fund for TEAK under the Kerala Forest Revolving Fund for Teak and Pulpwood Rules,1999 (2406-01-101-90)-Teak | 1065.530 | 690.092 |
| 8 | Transfer to the fund for PULPWOOD under the Kerala Forest Revolving Fund for Teak and Pulpwood Rules,1999 (2406-01-101-89)pulpwood | 1.270 | 0.825 |
| 9 | Forest Protection (2406-01-101-81) | 6105.330 | 6344.349 |
| Sub Total | | 13135.310 | 13317.443 |
| VIII Social & Farm Forestry (2406-01-102) | | | |
| 1 | Plantation of fast growing species (2406-01-102-99) | 420.870 | 432.597 |
| 2 | Ecology Development World Bank Assisted Social Forestry (2406-01-102-98) | 3409.070 | 3364.439 |
| 3 | Ecology Development World Bank Assisted Social Forestry, Phase-II (2406-01-102-92) | 143.350 | 175.535 |
| Sub Total | | 3973.290 | 3972.571 |
| IX Forest Produce (2406-01-105) | | | |
| 1 | Timber & Other Produce removed by Govt. Agencies (2406-01-105-99) | 3600.000 | 2296.058 |
| 2 | Firewood & Charcoal removed by Govt. Agencies (2406-01-105-98) | 1.500 | 0.128 |
| 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) | 0.050 | 0.000 |
| 5 | Confiscated Forest Produce, Drift wood, etc. (2406-01-105-95) | 0.500 | 0.099 |
| 6 | Livestock (2406-01-105-94) | 948.540 | 805.267 |

| Sl No. | Scheme & Head of Account | 2023-24 (Rs. in Lakhs) | |
|--|--|-------------------------|------------------|
| | | Outlay | Expenditure |
| 7 | Miscellaneous Advance Suspense (2406-01-105-93) | 0.010 | 0.000 |
| 8 | Teakwood (2406-01-105-92) | 1501.070 | 1468.974 |
| 9 | Softwood (2406-01-105-91) | 118.990 | 112.627 |
| Sub Total | | 6170.740 | 4683.153 |
| X Other Expenditure (2406-01-800) | | | |
| 1 | Relief to Victims Affected by the Attack of Wild Animals (2406-01-800-92) | 1370.000 | 1361.355 |
| 2 | Rewards to Informants of forest offences (2406-01-800-91) | 0.450 | 0.400 |
| Sub Total | | 1370.450 | 1361.755 |
| XI Wildlife Preservation (2406-02-110) | | | |
| 1 | Wildlife Preservation (2406-02-110-99) | 3082.190 | 2895.903 |
| 2 | Periyar Tiger Reserve Project (2406-02-110-93) | 351.000 | 336.175 |
| 3 | Eco-Development Global Environmental Facilities (2406-02-110-69) | 106.780 | 110.390 |
| 4 | Conservation of Bio-diversity (2406-02-110-68) | 689.930 | 768.439 |
| Sub Total | | 4229.900 | 4110.907 |
| XII LAC ADS (4406-01-101) | | | |
| 1 | Projects under Legislative Assembly Constituency Asset Development Scheme (4406-01-101-97) | 118.520 | 98.302 |
| Sub Total | | 118.520 | 98.302 |
| 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) | | | |
| Sub Total | | 500.010 | 472.873 |
| GRAND TOTAL | | 54802.180 | 51947.038 |

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 2023-24, the revenue from the forestry sector amounted to ₹ 261.04 crore, with a major portion coming from timber sales. Specifically, revenue from timber sales alone totaled ₹ 234.52 crore, accounting for 89.84% of the total forest revenue.

Table 8.6
Revenue from timber and other forest produce during the last 3 years

| Sl No. | Head of Account | 2021-22 Rs in lakhs | 2022-23 Rs in lakhs | 2023-24 Rs in lakhs |
|---|--|------------------------|------------------------|------------------------|
| 0406-01-101 Sale of Timber and other Forest produce. | | | | |
| 1 | 99 Timber | 17932.50 | 26197.48 | 23451.50 |
| 2 | 98 Firewood and Charcoal | 85.85 | 70.60 | 33.81 |
| 3 | 97 Receipts from sale of forest produce coming under the Kerala private forest (Vesting and Assignment) Act. | 0.02 | -1.91 | 0.00 |
| 4 | 96 Receipts from Forest Development Tax | 1027.07 | 1356.15 | 1216.19 |
| 5 | 95 Receipts under Kerala Forest Produce | 12.79 | 66.19 | 49.62 |
| 6 | 94 Other Items | 99.49 | 93.39 | 87.31 |
| Total (101) | | 19157.72 | 27781.90 | 24838.43 |
| 0406-01-800 Other Receipts | | | | |
| 1 | 99 Interests on Arrear of Forest Revenue | 61.71 | 84.53 | 75.48 |
| 2 | 98 Receipts from Wildlife Department | 87.18 | 233.09 | 267.33 |
| 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 | 0.04 | 0.3 | 0.40 |
| 5 | 95 Other Items | 660.22 | 856.70 | 833.84 |
| 6 | 94 Livestock | 0.06 | 0.33 | 0.0 |
| 7 | 91 Receipts on account of Lapsed and Confiscated Deposits | 0.30 | 3.87 | 0.50 |
| 8 | 90 Forest Land Lease rent | 88.61 | 96.11 | 192.19 |
| 9 | 89, Receipts from AranyamMasika | | 4.05 | 0.73 |
| Total (800) | | 898.12 | 1278.71 | 1370.47 |
| Grand Total | | 20055.84 | 29060.61 | 26208.9 |
| Refunds (0406-01-900-00) | | 0.00 | 0.00 | 104.487 |
| Net Revenue | | 20055.84 | 29060.61 | 26104.41 |

Graph 8.1 Trend Analysis of Total Revenue & Timber Revenue (2016-17 To 2023-24)



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. Details for the year 2023-24 is given below

Table 9.1

Navakiranam Voluntary Relocation Programme: Financial and Physical Progress

| Name of Scheme | Year | Amount (Rs. In Crore) | Family units relocated (Nos) | Area involved (Ha) |
|----------------|---------|-----------------------|------------------------------|--------------------|
| RKDP | 2023-24 | 35.325 | 235.500 | 43.7945 |
| KIIFB | 2023-24 | 6.825 | 45.500 | 12.3125 |
| Total | | 42.15 | 281 | 56.107 |

The scheme helps in the voluntary relocation of families located inside and around forests to mitigate human wildlife conflict, recurring natural disaster and poor reach of developmental programmes. Under the scheme, an amount of ₹15 lakhs is provided to an eligible family. As on 31.03.2024, 782 families have benefitted under the program and an amount of ₹ 96.675 crore has been utilized. As a result 155.5006 ha occupied land has been consolidated for conservation. Details as on 31.03.2024 is given below.

| Scheme | Units | Area (Ha) | Amount (Rs. In Crores) |
|--|-----------------|-----------------|------------------------|
| RKDP | 483.5000 | 68.0168 | 72.525 |
| KIIFB | 161.0000 | 36.6137 | 24.150 |
| Total | 644.5000 | 104.6305 | 96.675 |
| Units yet to be given second instalment (RKDP&KIIFB) | 137.5000 | 50.8701 | - |
| Grand total | 782.0000 | 155.5006 | 96.675 |

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.

Government of India had approved ₹ 3,690.00 lakhs under Centrally Sponsored Scheme – Integrated Development of Wildlife Habitats – Wayanad Wildlife Sanctuary – Voluntary Relocation of 246 eligible families during Financial Year 2023-24 in Kerala and released ₹ 553.50 lakhs (25% of central share) as the first instalment of the Central Share. Of this, a total of ₹ 922.50 lakhs (Central Share ₹ 553.50 lakhs + State Share ₹ 369.00 lakhs) was distributed to Wayanad District Collector as first instalment under BH: 2406-02-110-31-Integrated Development of Wildlife Habitats to Wayanad Wildlife Sanctuary for Voluntary Relocation of Settlements from Protected Areas. As per Utilization Certificate dated 04-07-2024 of District Collector,Wayanad the amount of ₹ 922.50 lakhs utilized fully for the FY 2023-24.

Chapter – X

OTHER MAJOR EVENTS AND ACHIEVEMENTS

10.1. State Forest Sports Meet

The 28th State Forest Sports Meet, held from November 15 to November 17, 2023, at the Municipal Stadium in Pala, Kottayam, was inaugurated by the Minister of Forests and Wildlife on 16th November 2023. The Eastern Circle emerged victorious, retaining the crown with an impressive medal tally of 152, including 55 gold, 54 silver, and 43 bronze medals. The Northern Circle secured the first runner-up position with 135 medals, comprising 40 gold, 31 silver, and 33 bronze. The Northern Circle secured the second runner-up position with 122 medals, comprising 40 gold, 31 silver, and 51 bronze. The Southern circle secured the second runner-up position with 113 medals comprising 52 gold, 32 silver, and 29 bronze.



10.2 Awards for Meritorious Service

The Kerala Chief Minister's Forest Medal Rules 2001 were amended in the year 2023 with Kerala Chief Minister's Forest Medal Rules 2023 (G.O.(MS) No. 28/2023/F&WLD dated 18-12-2023). The number of forest medals were increased from 20 to 26.

In 2023, 25 officers from various cadres within the department were honored with the Chief Minister's Forest Medal for their outstanding services as follows.

Table 10.1
Winners of Chief Minister's Forest Medal

| Sl.No. | Name | Designation | Name of Office |
|--------|-------------------------|-----------------------------|---|
| 1 | Sri. Nithin Lal | Range Forest Officer | Chinnar Wildlife Sanctuary, Munnar Wildlife Division, High Range Circle, Kottayam |
| 2 | Sri. Manoj K. | Deputy Range Forest Officer | Mannarkad Range, Mannarkad Division, Eastern Circle, Palakkad |
| 3 | Sri. Sreekumar P.S | Section Forest Officer | Social Forestry Range Alappuzha, Social Forestry Division, Alappuzha, Southern Circle, Kollam |
| 4 | Sri. Muthukumar K.S | Section Forest Officer | Munnar Wildlife Sanctuary, Munnar Wildlife Division, High Range Circle, Kottayam |
| 5 | Sri. Rejimon P.R | Section Forest Officer | Kodanad Range, Malayattoor Division, Central Circle, Thrissur |
| 6 | Sri. N. Panchan | Section Forest Officer | Social Forestry Range, Agali, Social Forestry Division, Palakkad, Eastern Circle, Palakkad |
| 7 | Sri. Ratheesh Kumar K.K | Section Forest Officer | Begur Range, North Wayanad Division, Northern Circle, Kannur |
| 8 | Sri. Biju L.T | Beat Forest Officer | Aryankavu Range, Thenmala Division, Southern Circle, Kollam |
| 9 | Smt. Vidyakumari R | Beat Forest Officer | Ranni Range, Ranni Division, Southern Circle, Kollam |
| 10 | Sri. Johnson P | Beat Forest Officer | Devikulam Range, Munnar Division, High Range Circle, Kottayam |
| 11 | Sri. Sreeraj Krishna | Beat Forest Officer | Erumeli Range, Kottayam Division, High Range Circle, Kottayam |
| 12 | Smt. Praseedha E.P | Beat Forest Officer | Vellikulangara Range, Chalakudy Division, Central Circle, Thrissur |
| 13 | Sri. Ajeesh M.M | Beat Forest Officer | PeechiVazhani Wildlife Sanctuary, Peechi Wildlife Division, Central Circle, Thrissur |
| 14 | Sri. Unnikrishnan V. | Beat Forest Officer | Flying Squad Range Nelliampathy, Flying Squad Division, Palakkad, Eastern Circle, Palakkad |
| 15 | Sri. Deepak K. | Beat Forest Officer | Walayar Range, Palakkad Division, Eastern Circle, Palakkad |
| 16 | Sri. Rahul R.K. | Beat Forest Officer | Kanhangad Range, Kasargod Division, Northern Circle, Kannur |
| 17 | Smt. Deepthy S. | Beat Forest Officer | Meppadi Range, South Wayanad Division, Northern Circle, Kannur |

| Sl.No. | Name | Designation | Name of Office |
|--------|---------------------|---------------------------------|---|
| 18 | Sri. Nidhin A.S. | Beat Forest Officer | Ranni Range, Ranni Division, Southern Circle, Kollam |
| 19 | Sri. Jojimon P.R | Beat Forest Officer | Thekkady Range, Periyar East Division, High Range Circle Kottayam |
| 20 | Sri. Gopi K. | Beat Forest Officer | Kollenkode Range, Nenmara Division, Eastern Circle, Palakkad |
| 21 | Sri. AkhilSooryadas | Beat Forest Officer | Chethalath Range, South Wayanad Division, Northern Circle, Kannur |
| 22 | Sri. A.K. Jayan | Forest Driver Selection Grade I | Social Forestry Division Malappuram, Eastern Circle, Palakkad |
| 23 | Smt. Sindhu M. | Forest Watcher (SR) | Konni Range, Konni Division, Southern Circle, Kollam |
| 24 | Smt. Seetha S. | Forest Watcher (SR) | Kanthalloor Range, Marayur Division, High Range Circle, Kottayam |
| 25 | Sri. Shanmukhan K. | Forest Watcher | Bhavani Range, Silent Valley Division, Eastern Circle, Palakkad |

10.3. Major Achievements during 2023-24

1. Human-wildlife conflict declared a State-Specific Disaster in March 2024

The Government of Kerala has undertaken several initiatives to mitigate Human-Wildlife Conflict. Recently, Human-Wildlife Conflict has been declared a *State-Specific Disaster* as per G.O. (MS.) No. 4/2024/DMD dated 07/03/2024.

- * Two committees have been constituted to plan and monitor mitigation measures — a Ministerial-level Committee chaired by the Hon'ble Chief Minister and a State-level Committee of Officials chaired by the Chief Secretary. These committees are responsible for formulating effective strategies, reviewing progress at regular intervals, and providing necessary guidance.
- * As per the directions of these committees, a control room with adequate communication facilities, similar to the disaster management monitoring system at the Secretariat, is to be established under the supervision of the Chief Wildlife Warden at the Forest Department headquarters. Accordingly, the control room currently functioning under the Thiruvananthapuram Flying Squad Division has been designated to operate as a 24x7 State Control Room for managing Human-Wildlife Conflict in the State, vide G.O. (Rt.) No. 128/2024/F&WLD dated 12/03/2024.
- * Further, the State Forest Emergency Operation Centre (SFEOC), functioning round the clock at the Forest Headquarters, and the Divisional Forest Emergency Operation Centres (DFEOCs) established in 36 Forest Divisions, have commenced operations to support and coordinate efforts to mitigate Human-Wildlife Conflict across the State.

2. Periyar Tiger Reserve retained the top rank in India in Management Effectiveness

Periyar Tiger Reserve has once again proven its leadership in conservation efforts by retaining its position as the best-managed Tiger Reserve in the country. Management Effectiveness Evaluation

(MEE), a comprehensive assessment conducted among 51 Tiger Reserves in India, ranked PTR as first in its 5th Cycle of assessment. Periyar Tiger Reserve, a beacon of global conservation, was approved with the Conservation Assured | Tiger Standards (CA |TS) accreditation by the worldwide coalition of Tiger Range Countries.



This recognition underscores our commitment to effective tiger conservation. Shri. Pramod P P IFS the CCF (Wildlife) & Field Director of Periyar Tiger Reserve received the recognition from the Hon'ble Union Minister of State for Environment, Forest & Climate Change, Shri. Aswini Kumar Choubey, during the Global Tiger Day Celebrations, held at Corbett Tiger Reserve, Uttarakhand, on the 29th of July and made Tiger Day 2023 a proud moment for Team Periyar.

3. The grit of Periyar's human resources has received recognition again

Our frontline staff, the backbone of our conservation efforts, has been recognised by NTCA for their extraordinary performance in the field. This year, Shri. K R Sekhar, Forest Watcher, Periyar Tiger Reserve was honoured with the award comprising of a citation and a cash prize worth 1.00 lakh by the Hon'ble Union Minister of State for Environment, Forest & Climate Change, Shri. Aswini Kumar Choubey, during the Global Tiger Day Celebrations, held at Corbett Tiger Reserve, Uttarakhand, on 29th of July.

4. Clidemiahirta - Uprooting action at Thekkady Range

Lantana camara is an obnoxious weed that proliferates at a higher rate. It poses a threat to the native species and risks the reduction of fodder availability for herbivores. As a part of Habitat Management activity, an invasive species (Lantana) was removed from the Periyar Tiger Reserve. This will assist in improving the quality of the habitat and thereby reduce the impact of weeds on native vegetation

5. Ayyan Android App for Pilgrims

An Android application was developed to facilitate pilgrims during the Sabarimala Pilgrimage. The app contains details of drinking water facilities, medical facilities, accommodation, routes, emergency contact numbers, and messages about human-wildlife conflict. Twenty lakhs of pilgrims downloaded and used this app during the pilgrimage season.

6. Award for Second best organic Tribal Hamlet of State Government to Vanchivayal Tribal community of PTR

Vanchivayal tribal hamlet, which bagged the second position in the State Agricultural Awards, 2022 in the category of tribal hamlets practicing organic farming, received the award on August 17th, 2023, Farmers' Day, from the Hon'ble Minister for General Education and Labour, Kerala. The tribal Hamlet received the same award earlier, in 2017 too. The Vanchivayal settlement in Vallakkadavu Range of Periyar Tiger Reserve presently has about 264 individuals of Urali tribes as members in 74 families. Organic Pepper cultivation is one of the major livelihoods of Urali tribes of Periyar Tiger Reserve (PTR). They also cultivate pepper, ginger, coffee, and turmeric through organic farming. From 2008 onwards organic pepper has been exported to Germany through the Vanchivayal Eco-development Committee. The award for second best tribal hamlet comprised a memento, Certificate of Appreciation and a cash prize of 2.00 lakhs, which was used for community development.

7. TRIFED Artisan Empanelment Mela at PTR

Empowerment of the tribes is one of the primary goals of the Periyar Tiger Reserve, and PA management has succeeded immensely in this area. Apart from extending support to the livelihood, PTR is always at the forefront to preserve and showcase tribal knowledge and skills. PTR provided a platform to showcase the crafts and value-added products in the TRIFED Artisan Empanelment Mela on 05-08-2023.

8. Research Publications

GIS CELL of Periyar Tiger Conservation Foundation published a research paper titled "Carbon Stock Assessment and Prediction in Periyar Tiger Reserve, India using Markov Chain and Invest Model" in Indian Journal of Ecology with an impact factor of 0.43 and a NASS rating of 5.79 in the Web of Science indexed. The study shows that carbon content in the PTR region has decreased from the year 2001-2022 and stands to decrease further from 2022 to the predicted year 2043. The carbon sequestration results show that the change in carbon from the year 2001- 2022 was 1.625 Teragram. So, in order to avoid this carbon getting lost into the atmosphere in the near future and experience its worst effects, we must plan for its sequestration.

9. State Award for the best Organic Farming Tribal Colony

Pooppara, a tribal colony situated inside the Parambikulam Tiger Reserve won first price for the best organic farming tribal colony by Kerala government. Pooppara is renowned for the spice's cultivation especially Pepper. Eco Development Committee of Pooppara, PaTCof& agricultural department facilitated pooppara to get this achievement. Cardamon, Areca nut are the other major organic products of Pooppara

10 Snehahastham Medical Care Program

SFDA launched the Snehahastham Programme to provide high-quality medical care to the tribal communities in interior forest areas. The program which was launched by the Hon'ble Forest Minister in the presence of Hon'ble Minister for ST Development Department on 31/01/2024 is being implemented in collaboration with the Department of Health Services, Scheduled Tribes Development Department and Indian Medical Association (Kerala Chapter). So far, the Snehahastham project has successfully delivered healthcare services to 4572 individuals in 179 tribal villages.



The camps provide a range of free medical services, including general medicine, general surgery, orthopedics, OBG, dermatology, ophthalmology, cancer screening, ENT, pulmonology, and psychiatry, directly to tribal villages. Eminent medical professionals volunteer their services, conducting diagnoses and providing treatment. Additionally, awareness programs on hygiene, sanitation, and disease prevention are also provided as part of the initiative.

Annexure-I
Range-wise forest area

| Sl. No. | Range | Area (km ²) | Sl. No. | Range | Area (km ²) |
|--|-----------------|-------------------------|------------------------------------|----------------|-------------------------|
| 1 | Kulathupuzha | 223.274 | 29 | Erumely | 164.999 |
| 2 | Palode | 107.838 | 30 | Ayyappankovil | 89.278 |
| 3 | Paruthippally | 41.382 | 31 | Nagarampara | 143.800 |
| Thiruvananthapuram Division Total | | 372.494 | 32 | Kumily | 265.619 |
| 4 | Aryankavu | 74.760 | Kottayam division Total | | 663.696 |
| 5 | Thenmala | 74.220 | High Range Circle Total | | 1913.165 |
| Thenmala Division Total | | 148.980 | 33 | Charpa | 59.975 |
| 6 | Achenkovil | 90.286 | 34 | Vazhachal | 90.643 |
| 7 | Kallar | 78.989 | 35 | Sholayar | 78.350 |
| 8 | Kanayar | 116.594 | 36 | Kolathirimedu | 29.348 |
| Achenkovil Division Total | | 285.869 | 37 | Athirappilly | 95.098 |
| 9 | Ranni | 136.295 | Vazhachal Division Total | | 353.414 |
| 10 | Goodrikkal | 505.967 | 38 | Pariyaram | 115.383 |
| 11 | Vadasserikkara | 268.860 | 39 | Palappilly | 47.327 |
| Ranni Division Total | | 911.122 | 40 | Vellikulangara | 45.301 |
| 12 | Anchal | 142.509 | Chalakkudy Division Total | | 208.011 |
| 13 | Pathanapuram | 132.003 | 41 | Kalady | 66.337 |
| Punalur Division Total | | 274.512 | 42 | Kodanad | 56.112 |
| 14 | Konni | 62.805 | 43 | Thundathil | 131.400 |
| 15 | Naduvathamoozhi | 138.936 | 44 | Kuttampuzha | 187.040 |
| 16 | Mannarappara | 129.914 | 45 | Edamalayar | 170.070 |
| Konni Division Total | | 331.655 | Malayattoor Division Total | | 610.959 |
| Southern Circle Total | | 2324.632 | 46 | Vadakkancherry | 56.964 |
| 17 | Thodupuzha | 219.675 | 47 | Pattikkad | 82.552 |
| 18 | Kothamangalam | 12.176 | 48 | Machad | 73.625 |
| 19 | Kaliyar | 49.080 | Thrissur Division Total | | 213.141 |
| 20 | Mullaringad | 37.380 | Central Circle Total | | 1385.524 |
| Kothamangalam Division Total | | 318.311 | 49 | Attappady | 171.525 |
| 21 | Munnar | 136.361 | 50 | Agali | 131.876 |
| 22 | Devikulam | 362.306 | 51 | Mannarkkad | 127.908 |
| 23 | Adimaly | 174.474 | Mannarkkad Division Total | | 431.309 |
| 24 | Neriyamangalam | 102.740 | 52 | Nilambur | 125.410 |
| Munnar Division Total | | 775.881 | 53 | Edavanna | 136.691 |
| 25 | Marayoor | 42.561 | 54 | Vazhikkadavu | 177.914 |
| 26 | Kanthalloor | 22.659 | Nilambur (N) Division Total | | 440.015 |
| Marayoor Division Total | | 65.220 | 55 | Kalikavu | 61.382 |
| 27 | Mankulam | 51.877 | 56 | Karulai | 265.608 |
| 28 | Anakulam | 38.180 | Nilambur (S) Division Total | | 326.990 |
| Mankulam Division Total | | 90.057 | | | |

| Sl. No. | Range | Area (km ²) | Sl. No. | Range | Area (km ²) |
|---|------------------------|-------------------------|--|-------------------------------|-------------------------|
| 57 | Olavakkode | 81.369 | 84 | Pampa | 66.930 |
| 58 | Walayar | 144.397 | 85 | Azhutha | 149.070 |
| 59 | Ottappalam | 37.476 | Periyar West Division Total | | 216.000 |
| Palakkad Division Total | | 263.242 | 86 | Eravikulam National Park | 97.000 |
| 60 | Nelliyampathy | 210.724 | 87 | Chinnar Wildlife Sanctuary | 90.442 |
| 61 | Kollamkode | 69.854 | 88 | Anamudy Shola NP | 7.500 |
| 62 | Alathur | 80.361 | 89 | Mathikettan Shola NP | 12.817 |
| Nenmara Division Total | | 360.938 | 90 | Pampadum Shola NP | 1.318 |
| Eastern Circle Total | | 1822.495 | 91 | Kurinjimala Sanctuary | 32.000 |
| 63 | Peruvannamoozhi | 151.469 | Munnar WL Division Total | | 241.077 |
| 64 | Kuttiady | 40.518 | 92 | Idukki | 105.364 |
| 65 | Thamarassery | 119.669 | 93 | Thattekkad | 25.160 |
| Kozhikkode Division Total | | 311.656 | Idukki WL Division Total | | 130.524 |
| 66 | Begoor | 106.128 | Field Director (Periyar TR) Circle Total | | 1297.276 |
| 67 | Periya | 89.820 | 94 | Sunkom | 98.620 |
| 68 | Mananthavady | 27.875 | 95 | Parambikulam | 102.03 |
| Wayanad North Division Total | | 223.823 | 96 | Orukomban | 75.26 |
| 69 | Kalpatta | 102.887 | 97 | Karimala | 100.990 |
| 70 | Meppady | 116.464 | Parambikulam Division Total | | 376.900 |
| 71 | Chethalayam (Chedleth) | 75.876 | 98 | Tholpetty | 77.760 |
| Wayanad South Division Total | | 295.227 | 99 | Kurichiat | 106.503 |
| 72 | Kannavam | 84.130 | 100 | Muthanga | 74.293 |
| 73 | Kottiyoor | 51.850 | 101 | Sulthanbathery | 86.028 |
| 74 | Thalipparamba | 22.692 | Wayanad WL Division Total | | 344.584 |
| Kannur Division Total | | 158.672 | 102 | Silentvalley NP | 143.491 |
| 75 | Kanjangad | 60.860 | 103 | Bhavani | 94.000 |
| 76 | Kasargod | 61.931 | Silent Valley Division Total | | 237.491 |
| Kasargod Division Total | | 122.791 | 104 | Peechi | 125.000 |
| Northern Circle Total | | 1112.169 | 105 | Chimmini | 114.597 |
| 77 | Kottoor | 30.980 | 106 | Chulannur | 3.420 |
| 78 | Neyyar | 128.000 | 107 | Aralam | 85.380 |
| 79 | Peppara | 53.000 | Aralam Division Total | | 85.380 |
| Thiruvananthapuram WL Division Total | | 211.980 | Field Director (Parambikulam TR) Circle Total | | 1287.372 |
| 80 | Shendurney | 173.636 | 108 | NSC, Kalady & Mangalavanam BS | 6.253 |
| Shendurney WL Division Total | | 173.636 | NSC, Kalady Division Total | | 6.253 |
| Agasthyavanam Biological Park Circle Total | | 385.616 | SF Central Region | | 6.253 |
| 81 | Periyar | 376.000 | 109 | Social Forestry, Alappuzha | 1.748 |
| 82 | Thekkady | 99.000 | Social Forestry, Alappuzha Division Total | | 1.748 |
| 83 | Vallakkdavau | 234.675 | SF Southern Region Total | | 1.748 |
| Periyar East Division Total | | 709.675 | Grand Total | | 11536.251 |

Annexure-II

Name of Division/ Taluk/ Panchayat/ Village containing recorded forest area

| Sl No | Name of Division | Area (area in Km ²) | Name of the Taluk | Name of the 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 |
| | | | Punalur | Kulathupuzha | Kulathupuzha |
| | | | Punalur | Ariyankavu | Ariyankavu |
| 3 | Achenkovil | 285.869 | Punalur | Ariyankavu | Ariyankavu |
| | | | Konni | Aruvapalam | Aruvapalam |
| 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 | Karavaloor | Karavaloor |
| | | | Punalur | Anchal | Anchal |
| Punalur | Eroor | Ayiranalloor | | | |

| Sl No | Name of Division | Area (area in Km ²) | Name of the Taluk | Name of the Panchayat | Name of Village |
|-------|------------------|---------------------------------|-------------------|-----------------------------------|---------------------|
| | Punalur | | Punalur | Eroor | Eroor |
| | cont... | | Punalur | Aryankavu | Aryankavu |
| 5 | Konni | 331.655 | Konni | Aruvappalam | Aruvappalam |
| | | | 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, Naranamoozhy | Kollamula |
| | | | Malappally | Kottangal | Kottangal |
| | | | Ranni | Ranni, Pazhavangadi, 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 |
| | | | 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 |

| Sl No | Name of Division | Area (area in Km ²) | Name of the Taluk | Name of the Panchayat | Name of Village |
|--------------|------------------|---------------------------------|-------------------|---------------------------|------------------|
| | Kottayam cont... | | 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 |
| | | | Kothamangalam | Keerampara | Keerampara |
| | | | Kothamangalam | Pallarimangalam | Kuttamangalam |
| | | | Kothamangalam | Neryamangalam,Kav-alangad | 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 |
| Muvattupuzha | Ramamangalam | Memuri | | | |
| Muvattupuzha | Payipra | Mulavoor | | | |
| Muvattupuzha | Avoli | Muvattupuzha | | | |
| Muvattupuzha | Pambakkuda | Onakkoor | | | |
| Muvattupuzha | Palakkuzha | Palakkuzha | | | |
| Muvattupuzha | Piravom | Piravom | | | |

| Sl No | Name of Division | Area (area in Km ²) | Name of the Taluk | Name of the Panchayat | Name of Village |
|--------|--------------------------|---------------------------------|-------------------|----------------------------|--------------------|
| | Kothamangalam cont... | | 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 |
| | | | Thodupuzha | Purappuzha | Purappuzha |
| | | | Thodupuzha | Manakkad | Manakkad |
| | | | Thodupuzha | Kudayathoor | Elappally |
| | | | Thodupuzha | Kumaramangalam, Thodupuzha | Kumaramangalam |
| | | | Thodupuzha | Karimkunnam | Thodupuzha |
| | | | Thodupuzha | Kodikkulam | Kodikkulam |
| Idukki | Idukki, Kanjikkuzhy | Kanjikkuzhi | | | |
| Idukki | Idukki | Vazhathope | | | |
| 9 | Munnar | 775.881 | 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 |
| | | | Udumbanchola | Santhanpara | Santhanpara |

| Sl. No. | Name of Division | Area (area in Km ²) | Name of the Taluk | Name of the Panchayat | Name of Village |
|------------|--------------------------|---------------------------------|-------------------|-------------------------|----------------------|
| | Munnar cont.... | | 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 | Chalakkudy | Athirappilly | Athirappilly |
| | | | Aluva | Ayyampuzha | Ayyampuzha |
| | | | Aluva | Karukutty | Karukutty |
| 13 | Chalakkudy | 208.011 | Chalakkudy | Padinjare Chalakkudy | Padinjare Chalakkudy |
| | | | Chalakkudy | Kodassery | Kodassery |
| | | | Mukundapuram | Trikkur | Trikkur |
| | | | Mukundapuram | Trikkur | Kallur |
| | | | Chalakkudy | Varandarappilly | Varandarappilly |
| | | | Chalakkudy | Athirappilly | Pariyaram |
| | | | Chalakkudy | Athirappilly | Athirappilly |
| | | | Chalakkudy | Kodassery | Kuttichira |
| | | | Chalakkudy | Kodassery | Kodassery |
| | | | Chalakkudy | Mattathur | Vellikulangara |
| | | | Chalakkudy | Mattathur | Mattathur |
| | | | Chalakkudy | Kodakara | Kodakara |
| Chalakkudy | Varandarappilly | Mupliyam | | | |
| 14 | Malayatoor | 610.959 | Kunnathunadu | Marampilly | Marampilly |
| | | | Kunnathunadu | Mazhuvannur | Mazhuvannur |
| | | | Paravur | Eloor Municipality | Eloor |
| | | | Kunnathunad | Vengoor | Vengoor |
| | | | Kothamangalam | Kottappady | Kottappady |
| | | | Kothamangalam | Pindimana | Pindimana |
| | | | Kothamangalam | Kuttampuzha | Kuttampuzha |
| | | | Kunnathunad | Vengoor | Kombanad |
| | | | Aluva | Ayyampuzha | Ayyampuzha |
| Aluva | Malayatoor - Neeleswaram | Malayatoor | | | |

| Sl. No. | Name of Division | Area (area in Km ²) | Name of the Taluk | Name of the Panchayat | Name of Village |
|-------------|----------------------------|---------------------------------|-------------------|-----------------------|-----------------|
| | Malayatoor cont... | | Aluva | Kalady | Kalady |
| | | | Chalakkudy | Athirappilly | Athirappilly |
| 15 | Thrissur | 213.141 | Thrissur | Thrissur Municipality | Viyur |
| | | | Thrissur | Madakkathara | Madakkathara |
| | | | Thrissur | Madakkathara | Kurichikkara |
| | | | Thrissur | Panachery | Panachery |
| | | | Thrissur | Panachery | Peechi |
| | | | Thrissur | Puthur | Puthur |
| | | | Thrissur | Puthur | Mannamangalam |
| | | | Thrissur | Mulamkunnathukavu | Killanur |
| | | | Thrissur | Madakkathara | 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 |
| | | | Thalappilly | Chelakkara | Chelakkara |
| | | | Thalappilly | Chelakkara | Thonnurkkara |
| | | | Thalappilly | Chelakkara | Pulakode |
| | | | Thalappilly | Chelakkara | Kurumala |
| | | | Thalappilly | Chelakkara | Pangarappilly |
| Thalappilly | Wadakkanchery Municipality | Kumaranelur | | | |
| Thalappilly | Erumappetty | Kanjirakkode | | | |
| Thalappilly | Wadakkanchery Municipality | Wadakkanchery | | | |

| Sl. No. | Name of Division | Area (area in Km ²) | Name of the Taluk | Name of the Panchayat | Name of Village |
|-------------|------------------|---------------------------------|-------------------|----------------------------|-----------------|
| | Thrissur cont... | | Thalappilly | Wadakkanchery Municipality | Parlikkad |
| | | | Thalappilly | Desamangalam | Desamangalam |
| | | | Thalappilly | Panjaj | Panjaj |
| | | | Thalappilly | Panjaj | Paimkulam |
| | | | Thalappilly | Chelakkara | Venganellur |
| | | | Thalappilly | Panjaj | Killimangalam |
| | | | Thalappilly | Vallathol Nagar | Cheruthuruthy |
| | | | Thalappilly | Vallathol Nagar | Nedumpura |
| | | | Thalappilly | Varavoor | Varavoor |
| | | | Thalappilly | Varavoor | Pilakode |
| | | | Thalappilly | Thekkumkara | Thekkumkara |
| | | | Thalappilly | Thekkumkara | Manalithara |
| | | | Thalappilly | Mullurkara | Mullurkara |
| | | | 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 | 431.309 | Mannarkkad | Thachampara | Thachampara |
| | | | Mannarkkad | Karimba | Karimba-1 |
| | | | Mannarkkad | Karimba | Karimba-2 |
| | | | Mannarkkad | Alanallur | Alanallur-1 |
| | | | Mannarkkad | Alanallur | Alanallur-2 |
| | | | Mannarkkad | Alanallur | Alanallur-3 |
| | | | Mannarkkad | Kottoppadam | Kottoppadam-1 |
| | | | Mannarkkad | Kottoppadam | Kottoppadam-2 |
| | | | Mannarkkad | Kottoppadam | Kottoppadam-3 |

| Sl. No. | Name of Division | Area (area in Km ²) | Name of the Taluk | Name of the Panchayat | Name of Village |
|---------|--------------------|---------------------------------|-------------------|---|------------------|
| | Mannarkkad cont... | | 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 | 440.015 | Nilambur | Karulai | Nilambur |
| | | | Nilambur | Chunkathara | Chunkathara |
| | | | Nilambur | Chaliyar | Kurumbalangode |
| | | | Nilambur | Pothukallu | Pothukallu |
| | | | Nilambur | Vazhikkadavu | Vazhikkadavu |
| | | | Nilambur | Chaliyar | Akampadam |
| | | | Nilambur | Chaliyar, Mambad | Pulippadam |
| | | | Nilambur | Edakkara | Edakkara |
| | | | Nilambur | Moothedam | Moothedam |
| | | | Eranad | Urangattiri | Urangattiri |
| | | | Eranad | Urangattiri | Vettilappara |
| | | | 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 |

| Sl. No. | Name of Division | Area (area in Km ²) | Name of the Taluk | Name of the Panchayat | Name of Village |
|---------|------------------|---------------------------------|-------------------|-----------------------------------|--------------------|
| 19 | Palakkad | 263.242 | Palakkad | Keralasseri | Keralasseri |
| | | | Palakkad | Kongad | Kongad 1 |
| | | | Palakkad | Kongad | Kongad 2 |
| | | | Palakkad | Mankara | Mankara |
| | | | 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 | PudusseryWest |
| | | | 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 |
| | | | Ottapalam | Kadampuzhipuram | Kadampuzhipuram 2 |
| | | | Ottapalam | Karimpuzha | Karimpuzha 2 |
| | | | Ottapalam | Nellaya | Nellaya |
| | | | Ottapalam | Shornur Municipality | Shornur 1 |
| | | | Ottapalam | Shornur Municipality | Shornur 2 |
| | | | Ottapalam | Sreekrishnapuram | Sreekrishnapuram 1 |
| | | | Ottapalam | Sreekrishnapuram | Sreekrishnapuram 2 |
| | | | Ottapalam | Pookottukavu, Sreekrishnapuram | Pookottukavu |
| | | | Ottapalam | Thrikadeeri | Thrikadeeri 1 |
| | | | Ottapalam | Vellenezhi | Vellenezhi |
| | | | Pattambi | Kulukkallur | Kulukkallur |
| | | | Pattambi | Nagalassery | Nagalassery |
| | | | Pattambi | Koppam | Koppam |

| Sl. No. | Name of Division | Area (area in Km ²) | Name of the Taluk | Name of the Panchayat | Name of Village |
|---------|------------------|---------------------------------|-------------------|-----------------------|--------------------|
| | Palakkad cont... | | Pattambi | Ongallur | Ongallur 1 |
| | | | Pattambi | Ongallur | Ongallur 2 |
| | | | Pattambi | Ottappalam | Vallapuzha |
| 20 | Nenmara | 360.938 | Alathur | Kizhakkanchery | Kizhakkanchery 1 |
| | | | Alathur | Kizhakkanchery | Kizhakkanchery 2 |
| | | | Alathur | Vandazhi | Vandazhi 1 |
| | | | Alathur | Vandazhi | Vandazhi 2 |
| | | | Alathur | Vadakkanchery | Vadakkanchery 1 |
| | | | Alathur | Vadakkanchery | Vadakkanchery 2 |
| | | | Alathur | Kannambra | Kannambra 1 |
| | | | Alathur | Kannambra | Kannambra 2 |
| | | | Alathur | Puthukode | Puthukode |
| | | | Alathur | Alathur | Alathur |
| | | | Alathur | Melarcodde | Melarcodde |
| | | | 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 | Kuthannur | Kuthannur 1 |
| | | | Alathur | Kuthannur | Kuthannur 2 |
| | | | Alathur | Tarur | Tarur 1 |
| | | | Alathur | Tarur | Tarur 2 |
| | | | Alathur | Vandazhy | Mangalamdam |
| | | | Alathur | Peringottukurisi | Peringottukurisi 1 |
| | | | Chittur | Peringottukurisi | Peringottukurisi 2 |
| | | | Chittur | Muthalamada | Muthalamada 1 |
| | | | Chittur | Muthalamada | Muthalamada 2 |
| | | | Chittur | Nellyampathy | Nellyampathy |
| | | | Chittur | Kollengode | Kollengode 1 |
| Chittur | Kollengode | Kollengode 2 | | | |
| Chittur | Pallassena | Pallassena | | | |
| Chittur | Koduvayur | Koduvayur 2 | | | |
| Chittur | Nenmara | Nenmara | | | |

| Sl. No. | Name of Division | Area (area in Km ²) | Name of the Taluk | Name of the Panchayat | Name of Village |
|---------|------------------|---------------------------------|-------------------|--------------------------|-----------------|
| | Nenmara cont... | | Chittur | Nenmara | Vallanghy |
| | | | Chittur | Ayilur | Thiruvazhiyad |
| | | | Chittur | Ayilur | Kairady |
| | | | Chittur | Elavanchery | Elavanchery |
| | | | Chittur | Ayilur | Ayilur |
| 21 | Kozhikode | 311.656 | Kozhikode | Cheruvannur, Perambra | Cheruvannur |
| | | | Kozhikode | Kadalundi | Kadalundi |
| | | | Thirurangadi | Thiruvangadi | Vallikkunnu |
| | | | Kozhikode | Kappar | Kumaranallur |
| | | | Kozhikode | Kodiyuthur | Kodiyuthur |
| | | | Kozhikode | Thazhekcode | Thazhekcode |
| | | | 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 |
| | | | Koyilandi | Koorachundu | Koorachundu |
| | | | Thamarassery | Kattippara, Koduvally | Kattippara |
| 22 | Wayanad North | 223.823 | Mananthavady | Thodarnadu, Mananthavadi | Thodarnadu |
| | | | Mananthavady | Thavinjal | Velad |
| | | | Mananthavady | Thavinjal | Thavinjal |
| | | | Mananthavady | Thavinjal | Periya |
| | | | Mananthavady | Thirunelly | Thirunelly |
| | | | Mananthavady | Mananthavady | Mananthavady |
| | | | Mananthavady | Panamaram | Panamaram |

| Sl. No. | Name of Division | Area (area in Km ²) | Name of the Taluk | Name of the Panchayat | Name of Village |
|---------|-----------------------|---------------------------------|-------------------|--|-----------------|
| | Wayanad North cont... | | Mananthavady | Vellamunda | Porunannur |
| | | | Mananthavady | Thodarnadu | Kanjirangad |
| | | | Mananthavady | Edavaka | Nallurnadu |
| | | | Mananthavady | Panamaram | Cheerukattoor |
| | | | Mananthavady | Panamaram | Anjukunnu |
| | | | Mananthavady | Mananthavadi | Payyampally |
| | | | Mananthavady | Thirunelly | Thrissilery |
| | | | Mananthavady | Vellamunda | Vellamunda |
| 23 | Wayanad South | 295.227 | SulthanBathery | Nenmeni | Nenmeni |
| | | | SulthanBathery | Ambalavayal | Thomattuchal |
| | | | SulthanBathery | Poothadi | Poothadi |
| | | | SulthanBathery | Mullankolli, Pulpally | Padichira |
| | | | SulthanBathery | Pulppally | Pulpally |
| | | | SulthanBathery | Poothadi | Irulam |
| | | | SulthanBathery | Meenangadi | Krishnagiri |
| | | | SulthanBathery | Meenangadi | Purakkady |
| | | | SulthanBathery | Kaniampetta, Poothadi, Panamaram, Pulpally | Nadavayal |
| | | | Vythiri | Kalpetta | Kalpetta |
| | | | Vythiri | Meppadi, Muppainadu | Kottappady |
| | | | Vythiri | Vythiri | Kunnathidavaka |
| | | | Vythiri | Vythiri | Chundel |
| | | | Vythiri | Muttill | Muttill South |
| | | | Vythiri | Muppainadu | Muppainadu |
| | | | Vythiri | Meppadi | Vellarimala |
| | | | Vythiri | Meppadi, Muppainadu | Thrikkaipetta |
| | | | Vythiri | Pozhuthana | Achooranam |
| | | | Vythiri | Pozhuthana | Padinjarathara |
| | | | Vythiri | Pozhuthana | Thariode |
| 24 | Kannur | 158.672 | Thaliparamba | Pozhuthana | Naduvil |
| | | | Thaliparamba | Pozhuthana | Payyavoor |
| | | | Thaliparamba | Pozhuthana | Eruvassy |
| | | | Thaliparamba | Chaparapadavu | Thimiri |
| | | | Payyanur | Cherupuzha | Vayakkara |
| | | | Thalassery | Thalassery Municipality | Thalassery |
| | | | Thalassery | Thalassery Municipality | Thiruvangad |
| | | | Thalassery | Pinarayi | Pinarayi |

| Sl. No. | Name of Division | Area (area in Km ²) | Name of the Taluk | Name of the Panchayat | Name of Village |
|-----------|---|---------------------------------|-------------------|-----------------------------|----------------------|
| | Kannur cont... | | Thalassery | Dharmadam | Dharmadam |
| | | | Thalassery | Eranjoli | Eranjoli |
| | | | Thalassery | Maloor | Tholambra |
| | | | Thalassery | Chittariparamba | Kannavam |
| | | | Thalassery | Chittariparamba | Mananthery |
| | | | Thalassery | Kolayad | Kolayad |
| | | | Thalassery | Pattiam | Cheruvanchery |
| | | | Thalassery | Thrippangottur | Thrippangottur |
| | | | Irtty | Peravoor | Vellarvally |
| | | | Irtty | Peravoor | Manathana |
| | | | Irtty | Kelakam | Kelakam |
| | | | Irtty | Kanichar | Kanichar |
| | | | Irtty | Kottiyoor | Kottiyoor |
| | | | Irtty | Kolari | Kolari |
| | | | Irtty | Aralam, Irtty | Aralam, Irtty |
| | | | Irtty | Ayyankunnu | Ayyankunnu |
| 25 | Kasargod | 122.791 | 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 | Valiaramba | South Thrikkariipoor |
| | | | Manjeswaram | Enmakaje | Enmakaje |
| | | | Kasaragod | Delampady | Delampady |
| | | | Kasaragod | Karadukka | Karadukka |
| | | | Kasaragod | Muliyar | Muliyar |
| Kasaragod | Delampady | Adoor | | | |
| Kasaragod | Kuttikol | Bandadukka | | | |
| 26 | Wildlife Division Thiruvanantha- puram | 211.980 | Kattakada | Kuttichal | Mannoorkara |
| | | | Nedumangad | Aryanad | Aryanad |
| | | | Nedumangad | Vithura | Vithura |
| | | | Kattakada | Kallikkadu | Kallikkadu |
| | | | Kattakada | Vellarada | Amboori |
| | | | Kattakada | Kallikkad | Vazhichal |

| Sl. No. | Name of Division | Area (area in Km ²) | Name of the Taluk | Name of the Panchayat | Name of Village |
|---------|------------------------------|---------------------------------|-------------------|-----------------------|-------------------|
| 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 |
| | | | 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 | SulthanBathery | Nenmeni | Nenmeni |
| | | | SulthanBathery | Noolpuzha | Kidanganad |
| | | | SulthanBathery | Noolpuzha | Noolpuzha |
| | | | Mananthavady | Thirunelly | Thirunelly |
| | | | Mananthavady | Thirunelly | Thrissillery |

| Sl. No. | Name of Division | Area (area in Km ²) | Name of the Taluk | Name of the Panchayat | Name of Village |
|---------|--------------------------|---------------------------------|-----------------------|---------------------------|--------------------|
| 34 | Silent Valley Division | 237.491 | Attapady Tribal Taluk | Agaly | Kallamala |
| | | | Attapady Tribal Taluk | Pudur | Padavayal |
| | | | Mannarkkad | Thachanpara | Palakayam |
| | | | Mannarkkad | Thenkara | Mannarkkad |
| | | | 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 - Neeleswaram | Malayattoor |
| | | | Kunnathunadu | Koovappady | Kodanad |
| 38 | Mangalavanam BS | 0.027 | Ernakulam | Chottanikkara | Kanayannor |
| 39 | SF,Alappuzha | 1.748 | Ambalapuzha | Purakkad | Purakkad |

Annexure-III
Range-wise Forest area as per Legal Status as on 31.03. 2024

| Division | Range | Reserved Forests | Proposed Reserved | Vested Forests | EFL | Total Forest Area |
|------------------------------|-----------------------|------------------|-------------------|----------------|--------------|-------------------|
| SOUTHERN CIRCLE | | | | | | |
| Thiruvananthapuram | Kulathupuzha | 217.550 | 0.000 | 0.056 | 5.668 | 223.274 |
| | Palode | 101.084 | 5.825 | 0.320 | 0.609 | 107.838 |
| | Paruthippally | 40.490 | 0.000 | 0.000 | 0.892 | 41.382 |
| | Division Total | 359.124 | 5.825 | 0.376 | 7.169 | 372.494 |
| Thenmala | Aryankavu | 73.340 | 0.000 | 1.420 | - | 372.494 |
| | Thenmala | 67.410 | 0.000 | 6.355 | 0.455 | 74.220 |
| | Division Total | 140.750 | 0.000 | 7.775 | 0.455 | 148.980 |
| Achencovil | Achencovil | 88.747 | 0.000 | 0.208 | 1.331 | 90.286 |
| | Kallar | 78.989 | 0.000 | 0.000 | 0.000 | 78.989 |
| | Kanayar | 116.594 | 0.000 | 0.000 | 0.000 | 116.594 |
| | Division Total | 284.330 | 0.000 | 0.208 | 1.331 | 285.869 |
| Ranni | Ranni | 127.502 | 7.225 | 1.568 | 0.000 | 136.295 |
| | Goodrikkal | 505.967 | 0.000 | 0.000 | 0.000 | 505.967 |
| | Vadasserikkara | 268.860 | 0.000 | 0.000 | 0.000 | 268.860 |
| | Division Total | 902.329 | 7.225 | 1.568 | 0.000 | 911.122 |
| Punalur | Anchal | 142.509 | 0.000 | 0.000 | 0.000 | 142.509 |
| | Pathanapuram | 131.639 | 0.038 | 0.169 | 0.157 | 132.003 |
| | Division Total | 274.148 | 0.038 | 0.169 | 0.157 | 274.512 |
| Konni | Konni | 51.703 | 11.102 | 0.000 | 0.000 | 62.805 |
| | Naduvathumoozhi | 138.936 | 0.000 | 0.000 | 0.000 | 138.936 |
| | Mannarappara | 129.914 | 0.000 | 0.000 | 0.000 | 129.914 |
| | Division Total | 320.553 | 11.102 | 0.000 | 0.000 | 331.655 |
| SOUTHERN CIRCLE-TOTAL | | 2,281.234 | 24.190 | 10.096 | 9.112 | 2,324.632 |
| HIGH RANGE CIRCLE | | | | | | |
| Kottayam | Erumeli | 144.625 | 15.136 | 4.171 | 1.067 | 164.999 |
| | Ayyappancovil | 64.242 | 0.000 | 23.837 | 1.199 | 89.278 |
| | Nagarampara | 143.400 | 0.000 | 0.000 | 0.400 | 143.800 |
| | Kumily | 261.633 | 0.027 | 3.959 | 0.000 | 265.619 |
| | Division Total | 613.900 | 15.163 | 31.967 | 2.666 | 663.696 |
| Kothamangalam | Thodupuzha | 218.991 | 0.526 | 0.158 | 0.000 | 219.675 |
| | Kothamangalam | 12.153 | 0.023 | 0.000 | 0.000 | 12.176 |
| | Kaliyar | 49.080 | 0.000 | 0.000 | 0.000 | 49.080 |
| | Mullaringad | 37.380 | 0.000 | 0.000 | 0.000 | 37.380 |
| | Division Total | 317.604 | 0.549 | 0.158 | 0.000 | 318.311 |

| Division | Range | Reserved Forests | Proposed Reserved | Vested Forests | EFL | Total Forest Area |
|----------------------------------|-----------------------|------------------|-------------------|----------------|---------------|-------------------|
| Munnar | Munnar | 106.190 | 25.931 | 0.000 | 4.240 | 136.361 |
| | Devikulam | 311.039 | 50.605 | 0.662 | 0.000 | 362.306 |
| | Adimali | 173.566 | 0.000 | 0.000 | 0.908 | 174.474 |
| | Neriyamangalam | 102.740 | 0.000 | 0.000 | 0.000 | 102.740 |
| | Division Total | 693.535 | 76.536 | 0.662 | 5.148 | 775.881 |
| Mankulam | Mankulam | 0.000 | 51.877 | 0.000 | 0.000 | 51.877 |
| | Anakulam | 0.000 | 38.180 | 0.000 | 0.000 | 38.180 |
| | Division Total | 0.000 | 90.057 | 0.000 | 0.000 | 90.057 |
| Marayoor | Marayoor | 7.000 | 35.410 | 0.076 | 0.075 | 42.561 |
| | Kanthalloor | 8.416 | 11.847 | 0.000 | 2.396 | 22.659 |
| | Division Total | 15.416 | 47.257 | 0.076 | 2.471 | 65.220 |
| HIGH RANGE CIRCLE - TOTAL | | 1,640.455 | 229.562 | 32.863 | 10.285 | 1,913.165 |
| CENTRAL CIRCLE | | | | | | |
| Vazhachal | Athirappally | 95.098 | 0.000 | 0.000 | 0.000 | 95.098 |
| | Charpa | 59.975 | 0.000 | 0.000 | 0.000 | 59.975 |
| | Kollathirumed | 29.348 | 0.000 | 0.000 | 0.000 | 29.348 |
| | Sholayar | 78.350 | 0.000 | 0.000 | 0.000 | 78.350 |
| | Vazhachal | 90.643 | 0.000 | 0.000 | 0.000 | 90.643 |
| | Division Total | 353.414 | 0.000 | 0.000 | 0.000 | 353.414 |
| Chalakydy | Palappilly | 47.327 | 0.000 | 0.000 | 0.000 | 47.327 |
| | Pariyaram | 115.312 | 0.031 | 0.000 | 0.040 | 115.383 |
| | Vellikkulangara | 45.301 | 0.000 | 0.000 | 0.000 | 45.301 |
| | Division Total | 207.940 | 0.031 | 0.000 | 0.040 | 208.011 |
| Malayattoor | Edamalayar | 170.070 | 0.000 | 0.000 | 0.000 | 170.070 |
| | Kalady | 65.812 | 0.525 | 0.000 | 0.000 | 66.337 |
| | Kodanadu | 55.403 | 0.709 | 0.000 | 0.000 | 56.112 |
| | Kuttampuzha | 187.040 | 0.000 | 0.000 | 0.000 | 187.040 |
| | Thundathil | 131.400 | 0.000 | 0.000 | 0.000 | 131.400 |
| | Division Total | 609.725 | 1.234 | 0.000 | 0.000 | 610.959 |
| Thrissur | Machad | 73.564 | 0.000 | 0.000 | 0.061 | 73.625 |
| | Pattikkad | 81.604 | 0.948 | 0.000 | 0.000 | 82.552 |
| | Vadakkancherry | 51.873 | 0.000 | 4.306 | 0.785 | 56.964 |
| | Division Total | 207.041 | 0.948 | 4.306 | 0.846 | 213.141 |
| CENTRAL CIRCLE - TOTAL | | 1,378.120 | 2.212 | 4.306 | 0.886 | 1,385.524 |
| EASTERN CIRCLE | | | | | | |
| Mannarkkad | Agali | 63.860 | 0.000 | 65.089 | 2.927 | 131.876 |
| | Attappadi | 80.771 | 0.000 | 88.660 | 2.094 | 171.525 |
| | Mannarkkad | 6.101 | 0.000 | 117.691 | 4.117 | 127.908 |
| | Division Total | 150.732 | 0.000 | 271.440 | 9.138 | 431.309 |

| Division | Range | Reserved Forests | Proposed Reserved | Vested Forests | EFL | Total Forest Area |
|--------------------------------|-----------------------|------------------|-------------------|-----------------|---------------|-------------------|
| NilamburNorth | Vazhikkadavu | 19.304 | 0.000 | 157.386 | 1.224 | 177.914 |
| | Nilambur | 15.888 | 0.339 | 103.871 | 5.312 | 125.410 |
| | Edavanna | 23.201 | 0.006 | 110.463 | 3.021 | 136.691 |
| | Division Total | 58.393 | 0.345 | 371.720 | 9.557 | 440.015 |
| Nilambur South | Kalikavu | 1.991 | 0.033 | 57.555 | 1.803 | 61.382 |
| | Karulai | 265.608 | 0.000 | 0.000 | 0.000 | 265.608 |
| | Division Total | 267.599 | 0.033 | 57.555 | 1.803 | 326.990 |
| Palakkad | Olavakkode | 61.693 | 0.000 | 17.541 | 2.135 | 81.369 |
| | Walayar | 11.717 | 0.000 | 109.748 | 22.932 | 144.397 |
| | Ottappalam | 0.000 | 0.000 | 32.461 | 5.015 | 37.476 |
| | Division Total | 73.410 | 0.000 | 160.030 | 30.082 | 263.242 |
| Nenmara | Nelliyampathi | 209.664 | 0.038 | 0.949 | 0.073 | 210.724 |
| | Kollengode | 0.000 | 0.000 | 62.786 | 7.068 | 69.854 |
| | Alathur | 0.000 | 0.000 | 77.801 | 2.560 | 80.361 |
| | Division Total | 209.664 | 0.038 | 141.536 | 9.701 | 360.938 |
| EASTERN CIRCLE - TOTAL | | 759.798 | 0.416 | 1002.001 | 60.280 | 1,822.495 |
| NORTHERN CIRCLE | | | | | | |
| Kozhikkode | Peruvanna-moozhi | 24.153 | 38.080 | 81.845 | 7.391 | 151.469 |
| | Kuttiyadi | 0.000 | 0.067 | 35.111 | 5.340 | 40.518 |
| | Thamarassery | 0.237 | 0.238 | 116.579 | 2.615 | 119.669 |
| | Division Total | 24.390 | 38.385 | 233.535 | 15.346 | 311.656 |
| Wayanad North | Begoor | 73.395 | 15.107 | 15.736 | 1.890 | 106.128 |
| | Periya | 60.663 | 0.000 | 23.793 | 5.364 | 89.820 |
| | Mananthavady | 0.000 | 0.000 | 26.047 | 1.828 | 27.875 |
| | Division Total | 134.058 | 15.107 | 65.576 | 9.082 | 223.823 |
| Wayanad South | Kalpetta | 13.500 | 3.122 | 78.108 | 8.157 | 102.887 |
| | Meppady | 0.000 | 0.652 | 103.467 | 12.345 | 116.464 |
| | Chedalath | 54.179 | 0.000 | 21.697 | 0.000 | 75.876 |
| | Division Total | 67.679 | 3.774 | 203.272 | 20.502 | 295.227 |
| Kannur | Kannavam | 82.847 | 0.021 | 1.262 | 0.000 | 84.130 |
| | Kottiyor | 8.084 | 0.000 | 40.027 | 3.739 | 51.850 |
| | Thalipparamba | 2.430 | 0.000 | 19.091 | 1.171 | 22.692 |
| | Division Total | 93.361 | 0.021 | 60.380 | 4.910 | 158.672 |
| Kasaragod | Kanjangad | 25.955 | 0.483 | 30.311 | 4.111 | 60.860 |
| | Kasaragod | 60.615 | 0.904 | 0.394 | 0.018 | 61.931 |
| | Division Total | 86.570 | 1.387 | 30.705 | 4.129 | 122.791 |
| NORTHERN CIRCLE - TOTAL | | 406.058 | 58.674 | 593.468 | 53.969 | 1112.169 |

| Division | Range | Reserved Forests | Proposed Reserved | Vested Forests | EFL | Total Forest Area |
|--|-----------------------|------------------|-------------------|----------------|--------------|-------------------|
| AGASTHYAVANAM BIOLOGICAL PARK | | | | | | |
| TvpmlWL | ABP, Kottoor | 30.980 | 0.000 | 0.000 | 0.000 | 30.980 |
| | Neyyar Sanctuary | 128.000 | 0.000 | 0.000 | 0.000 | 128.000 |
| | Peppara Sanctuary | 53.000 | 0.000 | 0.000 | 0.000 | 53.000 |
| | Division Total | 211.980 | 0.000 | 0.000 | 0.000 | 211.980 |
| Shendurney | Shendurney Sanctuary | 163.376 | 5.680 | 4.226 | 0.354 | 173.636 |
| | Division Total | 163.376 | 5.680 | 4.226 | 0.354 | 173.636 |
| AGASTHYAVANAM BIOLOGICAL PARK - TOTAL | | 375.356 | 5.680 | 4.226 | 0.354 | 385.616 |
| FIELD DIRECTOR (PERIYAR TR) | | | | | | |
| Periyar East (Thekkady) | Periyar | 376.000 | 0.000 | 0.000 | 0.000 | 376.000 |
| | Thekkady | 99.000 | 0.000 | 0.000 | 0.000 | 99.000 |
| | Vallakkadavu | 234.000 | 0.000 | 0.000 | 0.675 | 234.675 |
| | Division Total | 709.000 | 0.000 | 0.000 | 0.675 | 709.675 |
| Periyar West (Peerumedu) | Pampa | 66.930 | 0.000 | 0.000 | 0.000 | 66.930 |
| | Azhutha | 149.070 | 0.000 | 0.000 | 0.000 | 149.070 |
| | Division Total | 216.000 | 0.000 | 0.000 | 0.000 | 216.000 |
| Munnar WL | Eravikulam NP | 97.000 | 0.000 | 0.000 | 0.000 | 97.000 |
| | Chinnar WL-Sanctuary | 90.442 | 0.000 | 0.000 | 0.000 | 90.442 |
| | Anamudy Shola NP | 7.500 | 0.000 | 0.000 | 0.000 | 7.500 |
| | Mathikettan Shola NP | 12.817 | 0.000 | 0.000 | 0.000 | 12.817 |
| | Pampadum Shola NP | 1.318 | 0.000 | 0.000 | 0.000 | 1.318 |
| | Kurinjimala-Sanctuary | 32.000 | 0.000 | 0.000 | 0.000 | 32.000 |
| | Division Total | 241.077 | 0.000 | 0.000 | 0.000 | 241.077 |
| Idukki WL | Idukki | 105.364 | 0.000 | 0.000 | 0.000 | 105.364 |
| | Thattakkad | 25.160 | 0.000 | 0.000 | 0.000 | 25.160 |
| | Division Total | 130.524 | 0.000 | 0.000 | 0.000 | 130.524 |
| FIELD DIRECTOR (PERIYAR TR) - TOTAL | | 1296.601 | 0.000 | 0.000 | 0.675 | 1,297.276 |

| Division | Range | Reserved Forests | Proposed Reserved | Vested Forests | EFL | Total Forest Area |
|---|--|------------------|-------------------|-----------------|----------------|-------------------|
| FIELD DIRECTOR (PARAMBIKULAM TR) | | | | | | |
| Parambikulam | Sunkom | 98.620 | 0.000 | 0.000 | 0.000 | 98.620 |
| | Parambikulam | 102.030 | 0.000 | 0.000 | 0.000 | 102.030 |
| | Orukkomban | 75.260 | 0.000 | 0.000 | 0.000 | 75.260 |
| | Karimala | 100.99 | 0.000 | 0.000 | 0.000 | 100.990 |
| | Division Total | 376.900 | 0.000 | 0.000 | 0.000 | 376.900 |
| Wayanad WL | Tholpetty | 77.669 | 0.039 | 0.000 | 0.052 | 77.760 |
| | Kurichiyatt | 106.453 | 0.050 | 0.000 | 0.000 | 106.503 |
| | Muthanga | 74.293 | 0.000 | 0.000 | 0.000 | 74.293 |
| | SulthanBathery | 86.028 | 0.000 | 0.000 | 0.000 | 86.028 |
| | Division Total | 344.443 | 0.089 | 0.000 | 0.052 | 344.584 |
| Silent Valley | Silent Valley NP | 89.520 | 0.000 | 51.677 | 2.294 | 143.491 |
| | Bhavani | 64.860 | 0.000 | 28.002 | 1.138 | 94.000 |
| | Division Total | 154.380 | 0.000 | 79.679 | 3.432 | 237.491 |
| Peechi | Peechi WL Sanctuary | 125.000 | 0.000 | 0.000 | 0.000 | 125.000 |
| | Chimmini WL Sanctuary | 114.597 | 0.000 | 0.000 | 0.000 | 114.597 |
| | Chulannur Pea-fowl Sanctuary | 0.000 | 0.000 | 3.301 | 0.119 | 3.420 |
| | Division Total | 239.597 | 0.000 | 3.301 | 0.119 | 243.017 |
| Aralam | Aralam WL Sanctuary | 52.740 | 0.000 | 32.640 | 0.000 | 85.380 |
| | Division Total | 52.740 | 0.000 | 32.640 | 0.000 | 85.380 |
| FIELD DIRECTOR (PARAMBIKULAM TR) - TOTAL | | 1168.060 | 0.089 | 115.620 | 3.603 | 1,287.372 |
| NSC Kalady & Mangalavanam Bird Sanctuary | NSC Kalady & Mangalavanam Bird Sanctuary | 6.226 | 0.027 | 0.000 | 0.000 | 6.253 |
| | Division Total | 6.226 | 0.027 | 0.000 | 0.000 | 6.253 |
| SF CENTRAL REGION TOTAL | | 6.226 | 0.027 | 0.000 | 0.000 | 6.253 |
| SF, Alappuzha | SF, Alappuzha | 0.000 | 1.748 | 0.000 | 0.000 | 1.748 |
| | Division Total | | 1.748 | 0.000 | 0.000 | 1.748 |
| SF SOUTHERN REGION TOTAL | | 0.000 | 1.748 | 0.000 | 0.000 | 1.748 |
| STATE TOTAL OF FOREST AREA (in sq.km) | | 9311.908 | 322.599 | 1762.580 | 139.164 | 11536.251 |

Faunal Diversity of Kerala

Annexure-IV

List of Endemic and RET Mammals recorded from Kerala

| SI.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>Platacanthomy slasiurus</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>Vandeleurianiil agirica</i> | EN | WG |
| 11 | Day's Shrew | <i>Sun cusdayi</i> | EN | WG |
| 12 | Hill Shrew (Indian Highland Shrew) | <i>Sun cusniger</i> | NE | WG |
| 13 | Nilgiri Marten | <i>Martes gvatkinsi</i> | VU | WG |
| 14 | Brown Palm Civet (Jerdon's Palm Civet) | <i>Paradoxurus jerdoni</i> | LC | WG |
| 15 | Nilgiri Tahr | <i>Nilgiri tragusshylocrius</i> | EN | WG |

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

Annexure-V

List of Endemic and RET Birds recorded from Kerala

| SI.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>Dendrocit taleucogastra</i> | LC | WG |
| 6 | Crimson-backed Sunbird | <i>Leptocoma minima</i> | LC | WG |
| 7 | Nilgiri Pipit | <i>Aanthus nilghiriensis</i> | VU | WG |

| SI.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>Argya subrufa</i> | LC | WG |
| 11 | Wayanad Laughing-thrush | <i>Garrulax delesserti</i> | LC | WG |
| 12 | Kerala Laughing-thrush | <i>Trochalopteron fairbanki</i> | NT | WG |
| 13 | Black-chinned Laughing-thrush | <i>Trochalopteron 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 |

Annexure-VI

List of Endemic and RET Amphibians recorded from Kerala

| SI.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 microtympanum</i> | VU | WG |
| 3 | Ridged Toad (Indian Toad) | <i>Duttaphrynus parietalis</i> | NT | WG |
| 4 | Silent Valley Toad (South Indian Hill Toad) | <i>Duttaphrynus silent valleyen sis</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 |

| SI.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 | Nellyampathi Torrent Frog (Nellyampathi Dancing Frog) | <i>Micrixalus nellyampathi</i> | NE | KL |
| 22 | Black-bellied Torrent Frog (Black-bellied Dancing Frog) | <i>Micrixalus nigriventris</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 sylvaticus</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 (Ornate 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 cantboderms</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 vrije uni</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 pbrynoderma</i> | CR | WG |
| 68 | South Indian Frog | <i>Indirana semipalmata</i> | LC | WG |

| SI.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 pseudocruiger</i> | LC | WG |
| 75 | Kani Bush Frog | <i>Pseudophilantus kani</i> | LC | KL |
| 76 | Jerdon's Bush Frog | <i>Pseudophilantus 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>Raorches tesravii</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 susbili</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 tuberohumerus</i> | DD | WG |
| 116 | Uthaman's Reed Bush Frog | <i>Raorchestes utbamani</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 VULNERABLE LC LEAST CONCERN
 EN ENDANGERED NT NEAR THREATENED
 DD DATA DEFICIENT NE NOT EVALUATED

Annexure-VII

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 wynaudense</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 mybendrae</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 |

| SI.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>Abaetulla perrotet</i> | EN | WG |
| 76 | Gunther's Vine Snake | <i>Abaetulla 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 VULNERABLE
 EN ENDANGERED
 DD DATA DEFICIENT

LC LEAST CONCERN
 NT NEAR THREATENED
 NE NOT EVALUATED

Annexure-VIII
List of Endemic and RET Fresh water fishes recorded from Kerala

| SI.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 robani</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 mccllelandi</i> | LC | WG |
| 19 | Menon's Stone Sucker | <i>Garra menoni</i> | VU | KL |
| 20 | Mlappara Stone Sucker | <i>Garra mlapparuensis</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 mussullab</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 nynaadensis</i> | CR | WG |

| SI.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 | Parrak Barb | <i>Puntius parrak</i> | LC | KL |
| 55 | Chalakydy Redline Torpedo Barb | <i>Sahyadria chalakydyensis</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 | BalookeRazorbelly Minnow | <i>Salmophasia balooke</i> | LC | WG |
| 59 | BoopisRazorbelly 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 asanthamparaensis</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 berrei</i> | CR | WG |

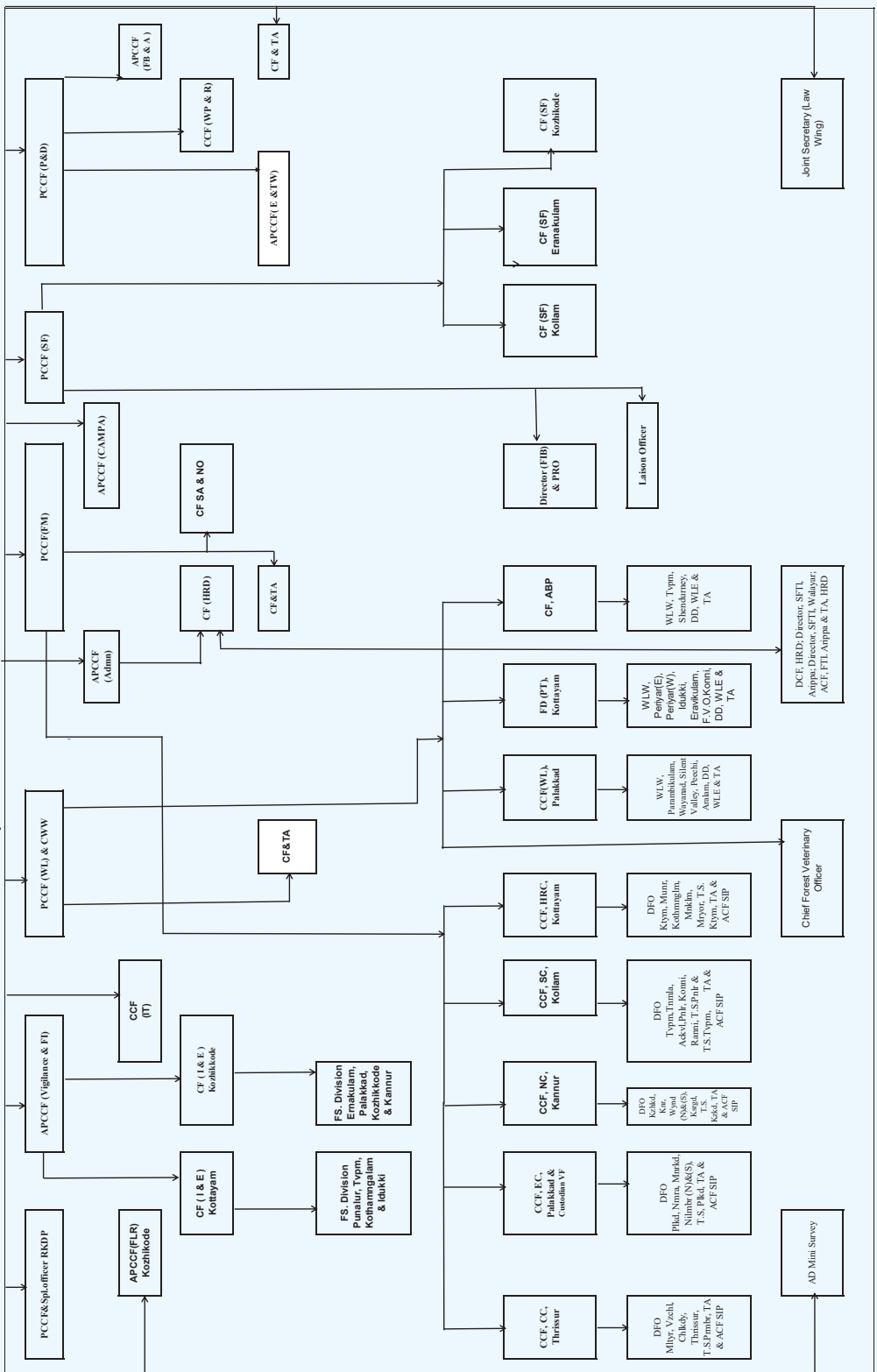
| SI.No. | English Name | Species Name | IUCN | END |
|--------|---------------------------------|--------------------------------------|------|--------|
| 78 | Menon's River Loach | <i>Mesonoemacheilus menoni</i> | VU | KL |
| 79 | Pambar Loach | <i>Mesonoemacheilus pambarensis</i> | VU | KL |
| 80 | 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 |
| 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>Pseudotropius 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 hausei</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's Clarid | <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 |

| SI.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>Macrogathus 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 |

KERALA FOREST DEPARTMENT
ORGANISATIONAL CHART 2023-24

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
- DFEOC – Divisional Forest Emergency Operation Centre
- 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
- GA – Geographical Area
- GHS – Grama Haritha | Samithy
- GIM – Green India Mission
- HRC – High Range Circle
- HRD – Human Resource Development
- HWC – Human Wildlife Conflict
- 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

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|-------------|---|
| • LSGD | – Local Self Government Department |
| • MEE | – Management Effectiveness Evaluation |
| • MFP | – Minor Forest Produce |
| • MGNREGS | – Mahatma Gandhi Nation Rural Employment Guarantee Scheme |
| • MoA | – Memorandum of Association |
| • MoEF&CC | – Ministry of Environment, Forest & Climate Change |
| • NC | – Northern Circle |
| • NFL | – Non Forest Land |
| • NP | – National Park |
| • NSC | – Nature Study Centre |
| • NTCA | – National Tiger Conservation Authority |
| • NTFP | – Non Timber Forest Produce |
| • NWFP | – Non Wood Forest Produce |
| • PA | – Protected Area |
| • PFM | – Participatory Forest Management |
| • PHS | – Panchayat Haritha Samithy |
| • PM JANMAN | – Prime Minister Janjati Adivasi Nyaya Maha Abhiyan |
| • PRF | – Proposed Reserved Forest |
| • PTR | – Project Tiger Reserve |
| • PVTG | – Particularly Vulnerable Tribal Group |
| • RDF | – Regeneration of Denuded Forest |
| • RET | – Rare, Endangered and Threatened |
| • RF | – Reserved Forest |
| • RFA | – Recorded Forest Area |
| • RFO | – Range Forest Officer |
| • RIDF | – Rural Infrastructure Development Fund |
| • RRT | – Rapid Response Team |
| • SARPA | – Snake Awareness, Rescue and Protection Application |
| • SC | – Southern Circle |
| • SFEOC | – State Forest Emergency Operation Centre |
| • SFPPF | – Special Forest Protection Force |
| • SF | – Social Forestry |
| • SFTI | – State Forest Training Institute |
| • TRF | – Teak Revolving Fund |
| • TRIFED | – Tribal Co-operative Marketing Development Federation |
| • TS | – Timber Sales |
| • VDVK | – Van Dhan Vikas Kendras |
| • VF | – Vested Forests |
| • VSS | – Vana Samrakshana Samithies |
| • WLP Act | – Wildlife Protection Act |
| • WLS | – Wildlife Sanctuaries |
| • WL | – Wildlife |
| • WP | – Working Plan |



GOVERNMENT OF KERALA
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