

भारत सरकार
Government of India
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
Ministry of Environment, Forest & Climate Change
व्याघ्र परियोजना
Project Tiger Division

No. 4-1(61)/2022-PT

Dated: 23.01.2023

To

The Pay & Accounts Officer,
Ministry of Environment, Forest and Climate Change,
New Delhi.

Sub: Centrally Sponsored Plan Scheme 'Project Tiger' Administrative Approval for funds release to (a) Parambikulam, (b) Periyar Tiger Reserve, Kerala State during 2022-23 -1st installment - reg.

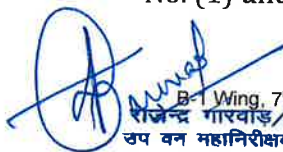
Sir,

I am directed to convey the administrative approval of the competent authority to the continuance of the Scheme 'Project Tiger' in (a) Parambikulam, (b) Periyar Tiger Reserve, Kerala, at the cost of **Rs. 1597.57 Lakh (Rupees One Thousand Five Hundred Ninety Seven Lakhs Fifty Seven Only)** as per details given in the table at Annexure. Of the total cost of the Scheme, **Rs. 505.67 Lakhs (Rupees Five Hundred Five lakhs Sixty Seven thousand only)** being the recurring cost of the scheme will be shared on 60:40 basis by the Government of India and Government of Kerala. The total cost of the Scheme will be shared on 60:40 basis by the Government of India and Government of Kerala.

2. I am also directed to convey the sanction of the President to the payment and release of an amount of **Rs. 203.25 Lakh (Rupees Two Hundred Three Lakhs Twenty-Five Thousand Only)** as the 1st installment of Central Share towards the Grants-in-aid to Government of during the current financial year 2022-23. The balance amount of the Central Assistance will be released in due course after a review of the progress of expenditure/ work is undertaken.

3. The grants-in-aid will be regulated in accordance with the provisions contained in the memorandum of the Centrally Sponsored Project Tiger Scheme. The Grants-in-Aid is also subject to the Chapter 9 of the General Financial Rules 2017, as amended from time to time, read with the Government of India's decision incorporated there-under, and any other guidelines which may be issued in this regard, and in particular to the following conditions:-

- i. All relevant information and documents/certificates as required under GFR 209(I) have been received.
- ii. The pattern of assistance of rules governing such grants-in-aid have received the approval of the Ministry of Finance, as required under Government of India decision No. (1) under DFPR-Rules 20.



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- iii. Terms and conditions of the service of the employees employed in the **(a) Parambikulam, (b) Periyar Tiger Reserve, Kerala** under the Project Tiger Scheme are not higher than those applicable to similar categories of employees of Central Government and where it is not in accordance with above, the relaxation of Ministry of Finance have been obtained for such discrepancies as required under GFR 230(12(I)).
- iv. Assets acquired wholly or substantially out of Government Grants shall not be disposed off without obtaining the prior approval of the sanctioning authority of Grants-in-aid.
- v. The **Government of Kerala** agrees to make reservations for Scheduled Castes and Scheduled Tribes or OBC in the posts or services under its control on the lines indicated by Govt. of India.
- vi. The accounts of the **(a) Parambikulam, (b) Periyar Tiger Reserve, Kerala** shall be audited by C&AG or by any person authorized by him on his behalf in accordance with the provisions laid down in Section 14 of the C&AG (DPC) Act, 1971 as amended from time to time.
- vii. The accounts of the Project Tiger Scheme shall be open for inspection by the sanctioning authority and audit, both by the Comptroller & Auditor General of India under the provision of C&AG (DPC) Act, 1971 and internal audit party by the Principal Accounts Office of the Ministry whenever it is called upon.
- viii. The Utilization Certificate against the earlier funds released under Grants-in-aid have been received and accepted by the competent authority.
- ix. Government of in respect of **(a) Parambikulam, (b) Periyar Tiger Reserve, Kerala** may furnish their performance-cum-achievement report on or before 31.3.2023.
- x. **Kerala** will spend Grants-in-aid exclusively in pursuance of the objectives envisaged in rules/ memorandum of the Centrally Sponsored 'Project Tiger Scheme' and for the purpose it is being sanctioned.
- xi. Grants-in-aid to **Government of Kerala** is subject to the Economy Instructions issued from time to time by the Ministry of Finance or by the Competent Authority.
- xii. Grants-in-aid shall be utilized before the end of the current financial year 2022-23 and unspent balance, if any, will be refunded by **Government of Kerala** to the **Govt. of India**.
- xiii. Government of Kerala in respect of **(a) Parambikulam, (b) Periyar Tiger Reserve, Kerala** will maintain a separate account and will present their annual accounts in the standard format as required under GFR 230(5).
- xiv. Grants-in-aid shall be utilized for **(a) Parambikulam, (b) Periyar Tiger Reserve, Kerala** strictly as per the Memorandum of Understanding (MOU) between the Ministry of Environment, Forests and Climate Change, acting through the National Tiger Conservation Authority, Field Director, **(a) Parambikulam, (b) Periyar Tiger Reserve, Kerala**.
- xv. Monitorable outcomes on the item of works contained in the sanction letter both in physical and financial terms are required to be furnished in the monthly report regularly. Compliance status on Tripartite Memorandum of Understanding is required before submission of additional or ensuing year's Annual Plan of Operation (APO).



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- xvi. The expenditure should be limited to the amount released and in no case should be done in anticipation of further release by the Ministry.
- xvii. The payments of daily wagers should be done through account transfer/ account payee Cheques only duly linked with Aadhar Number.
- xviii. It may please be ensured that there is no duplication of nature and items of work being proposed in the same area under the Centrally Sponsored Scheme of Project Tiger and other Centrally Sponsored Schemes such as Project Elephant, Eco-development and IDWH Schemes etc.
- xix. The cost estimates worked out by the Field Director should be based on approved schedule of rates of the State Government, with due approval of the competent authority.
- xx. Approval of the competent authority be obtained and acceptance of UC may be ensured by PD.
- xxi. The expenditure is incurred as per the allocation of funds.
- xxii. Payments are made by bank transfer and no cash payment is to be made.
- xxiii. Funds for POL/ maintenance of vehicles would be admissible only for the vehicles purchased from CSS funds.
- xxiv. Funds will not be diverted for any item other than specified herein.
- xxv. Funds to be spent only on items approved in Tiger Conservation Plan (TCP).
- xxvi. Compensation for loss due to wildlife is to supplement the State Government fund as per the rules of State Government.
- xxvii. GFR is followed by implementing agency alongwith the economic instructions issued by Government of India from time to time.
- xxviii. Satellite photo with date and latitude and longitude nodes after completion of work depicting the work carried out before and after the work.
- xxix. Evidence of deposit of TDS/ Service Tax in case of contract payment and CST in case of leviable goods are sent along with UC.
- xxx. In case of employment through contract, copy of PF & ESI contributions of employees shall be obtained wherever applicable.
- xxxi. All measurable outcome of this grant must be mentioned in the sanction order and UC is to be submitted as prescribed in GFR 2017 – Form GFR 12-C.
- xxxii. If the implementing agency does not use the fund for the purpose for which it was given, it has to refund the same with interest.
- xxxiii. There should not be any overlapping of activities under the projects with the activities of ongoing schemes under CSS/ CS/ State Government Scheme.
- xxxiv. The sanction order must mention measurable physical parameters and all measurable parameters are to be adhered to.
- xxxv. The fixed asset created out of this grant shall not be disposed off without concurrence of this Ministry.
- xxxvi. All guidelines under the project is to be followed scrupulously.
- xxxvii. The UC with physical progress report and satellite photo with physical deliverable with date and latitude – longitude coordinates before and after completion of work be obtained of **Kerala** and uploaded on the website of the implementing agency as well as the Ministry for public access.



- xxxviii. The measurable outcome under the project (quantified) in terms of number of tigers in Kerala, eco-tourism in Kerala, %age decrease in man-animal conflict etc., may also be submitted in the progress report.
- xxxix. All labour payments strictly by Direct Benefit Transfer (DBT).
- xl. The guidelines of Project Tiger Schemes are followed by **(a) Parambikulam, (b) Periyar Tiger Reserve, Kerala** and Expenditure Evaluation Report on the expenditure incurred vis-à-vis proposed activities and result achieved may be furnished.
4. As the annual budget of the Scheme is approved by the Central Government, the Government of Kerala is not required to furnish bond and sureties, in accordance with the Ministry of Finance O.M. No. 14(1)-EII (A)/64 dated 23.06.1965.
5. The terms and conditions of the payment are as under:
- a. The grant is in accordance with the pattern of financial assistance approved by the Ministry of Finance.
- b. The grant sanctioned is subject to the adjustment on the basis of the terms and conditions approving the scheme.
6. No deviation from the approved items of expenditure as enumerated in the annexure shall be made without prior concurrence of the Government of India. The guidelines of National Tiger Conservation Authority should be fully adhered to. The Chief Wildlife Warden and the Principal Chief Conservator of Forests of the State Government should be directed to ensure that the field works are in accordance with the Tiger Conservation Plan and the Annual Plan of Operation by the field inspections from time to time.
7. In accordance with the revised procedure, the Central Accounts Section, Reserve Bank of India, Nagpur, may kindly be advised to pass on credit to the books of the State Government of Kerala under intimation to this Department.

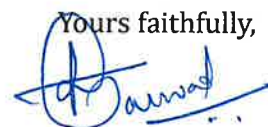

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8. The expenditure incurred is adjustable to the **Demand No. 28** (Ministry of Environment, Forest and Climate Change) under the following heads during the Financial Year 2022-23:

Scheme	Budget Head	Amount (Rs. in lakhs)		
		Periyar	Parambikulam	Total
Centrally Sponsored Scheme of Project Tiger	3601.06.101.02.01.31 (Gen)	71.329	50.622	121.95
Centrally Sponsored Scheme of Project Tiger	3601.06.789.02.01.31 (SCSP)	23.775	16.874	40.65
Centrally Sponsored Scheme of Project Tiger	3601.06.796.02.01.31 (TSP)	23.776	16.874	40.65
	Total	118.88	84.3775	203.25

9. This issues with the concurrence of Integrated Finance Division vide their Dy. No. 230/IFD/2023 dated 23.01.2023. **Compliance of all the guidelines/instructions regarding release of funds under Centrally Sponsored Schemes (CSS) and monitoring utilization of funds released, Issued by Dept. of Expenditure (Ministry of Finance) vide O.M. No. 1(13)PFMS/FCD/2020 dated 23.03.2021 must be ensured.**

Yours faithfully,



(Rajendra G. Garawad)

Deputy Inspector General of Forests (PT)


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Copy for kind information & necessary action to: -

1. The Secretary, Ministry of Environment, Forests and Climate Change, New Delhi.
2. The Secretary (Forests), Govt. of Kerala. A copy of the detailed sanction letter issued by the State Government in respect of this scheme for 2022-23 may kindly be furnished to this Ministry at the earliest.
3. The Secretary (Finance), Govt. of Kerala.
4. The Principal Chief Conservator of Forests / Chief Wildlife Warden, Govt. of Kerala
5. The IGF, NTCA Regional Office, Bengaluru.
6. The Field Director(s), (a) Parambikulam, (b) Periyar Tiger Reserve, Kerala.
7. The Accountant General.
8. The Director of Audit, Scientific Department, AGCR Building, IP Estate, New Delhi.
9. Forest Finance Division, MoEF&CC, New Delhi.
10. Plan Finance Division (PF-II), Ministry of Finance, New Delhi.
11. Guard file/Spare copies.


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(Rs. In Lakhs)

S. No.	Item	Parambikulam		Periyar		Total
		Sanction letter date	Amount	Sanction letter date	Amount	
1	Total Sanction	22.12.2022	725.00	19.12.2022	872.57	1597.57
2	Central Assistance	-do-	381.43	-do-	475.97	857.40
3	1 st release, 25% of Central Assistance	-do-	95.36	-do-	118.99	214.35
4	Adjustment of previous balance	-do-	10.98	-do-	0.11	11.09
5	Net 1 st Release	-do-	84.37	-do-	118.88	203.25
6	IFD No. & Dt.	178/IFD/2022 Dt. 16-12-2022		183/IFD/2022 Dt. 21-12-2022		

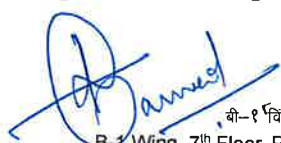
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	Total	118.88	84.3775	203.25

Summary for State:

(Rs. In Lakhs)

S.No.	Items	Sanction	Central Assistance	State Share
1	Non Recurring (60:40)	586.22	351.73	234.488
2	Recurring (50:50)	1011.35	505.67	505.68
3	Spill Over work of 2021-22 to be completed during 2022-23	0	0	0
	Total	1597.57	857.40	740.168

Note: Eco development initiatives should be based on normative guidelines of the National Tiger Conservation Authority, Ministry of Environment, Forest and Climate Change, Govt. of India issued earlier based on village level, site specific, participatory micro plan with reciprocal commitment between Kerala and the local people.



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Annual Plan of Operation (Periyar Tiger Reserve) under Centrally Sponsored Scheme - Project Tiger for 2022-23

(Rs in Lakhs)

S.	Item of work	DD	Para No.	Location / GPS coordinates		Previous Year Details				Current Year Proposal					Justification
Non-Recurring (Core) :															
1	Procurement of arms and ammunition	DD (E)	16.1.13	10.1.7.12	9°35'17.00" N 77°10'40.00" E	2nos	2nos	0.25	1.56	9°31'52.99" N, 77° 6'53.74"E	.25/nos	5nos	1.25	Arms are used for self defence of staff during patrolling. It is proposed to purchase 5 12 bore pump action gun and ammunition (rounds for 12 bore pump action gun)	
		DD (W)			9°27'27.5"N 9°25'33.8"N 76°56'41.4"E 76°56'49.8"E	200 Nos	150 Nos	0.25	0.22	9°27'27.5"N 9°25'33.8"N 76°56'41.4"E 76°56'49.8"E	0.00150/ Nos	166 Nos	0.25	Arms are used for self defence of staff during patrolling. It is proposed to purchase 166 Nos of ammunition (rounds for 12 bore pump action gun)	
	Procurement of field gear and equipment	DD (E)	16.1.21	10.1.7.13	9°28'44.73" N 77°14'35.66" E	20nos	16nos	2.00	1.87	9°23'12.43" N 77° 8'54.83"E	0.10/nos	50 Nos	5.00	Proposed for provide field gears to frontline staffs who do patrolling in the tough terrain	
		DD (W)			9°27'27.5"N 9°25'33.8"N 76°56'41.4"E 76°56'49.8"E	100 Nos	100 Nos	2.00	1.97	9°27'27.5"N 9°25'33.8"N 76°56'41.4"E 76°56'49.8"E	0.04/ Nos	133 Nos	5.30	Proposed for provide rain coats, sleeping bags, jackets, backpacks to frontline staffs who do patrolling in the tough terrain	
	Procurement and maintenance of Computer and other accessories	DD (E)	16.2.21	8.3			0	0.00	0.00	9°23'12.43" N, 77° 8'54.83"E	0.5/ Nos	2 Nos.	1.00	Purchase of one desktop computer, and maintenance of printer for DD office to enable smooth functioning of office	

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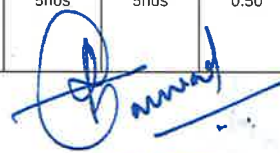
S.	Item of work	பெரிய எழுத்து	Para No.		Location / GPS coordinates		Previous Year Details				Current Year Proposal					Justification
	Providing support to Tiger Reserves for raising, arming and deploying Special Tiger Protection Force (STPF).	DD (E)	16.1.1	10.1.4.1	09°34'17.23 6' N 09° 26' 53" N	077°17.15' E 077° 15' 30" E	1765mm	2137mm	15.00	18.30	09°34'17.23 6 N 09° 26' 53" N	077°17.15' E 077° 15' 30" E	0.009/mm	2000 MM	18.00	PTR shares an interstate boundary of approx. 90 km with Tamil Nadu and it shares 220 km PA boundary with Idukki, Kottayam and Pathanamthitta revenue districts and most of the area is thickly populated. Constant vigil and protection camps are highly essential in all these areas to ensure protection of wildlife in the PA.
		DD (W)			9°27'27.5"N 9°25'33.8"N	76°56'41.4"E 76°56'49.8"E	1176 MM	1017MM	10.00	11.53	9°27'27.5"N 9°25'33.8"N	76°56'41.4"E 76°56'49.8"E	0.009 MM	1520 MM	13.70	Periyar West Division shares boundary with the largest territorial division of Kerala,Ranni, also shares boundary with Kottayam territorial division. This continuous forest area requires special attention. By making use of special protection team frequent protection activities such as surprise checks, vulnerable area Perambulation, Collection of information etc can be carried out effectively.This is an inevitable tool for the management of Tiger Reserve.
	Establishing & providing basic amenities to patrolling camps/chowkis/staff quarters etc.	DD (E)	16.1.3	10.1.7.1	09 18' 13.50" N 09031'0.34.3 " N	077 14' 43.20" E 0770 06'44.7" E	2nos	1nos	14.00	3.06	9.529925N 9.543401N 9.316184N 9.5643N 9.612329N 9.531767N 9.40653N 9.498941N 9.506927N 9.542019N 9.59546N 9.417704N 9.5873N 9.598891N	77.259896E 77.109596E 77.195347E 77.15105E 77.205839E 77.149025E 77.146409E 77.18313E 77.276738E 77.187035E 77.22317E 77.187261E 77.148467E 77.257620E	0.5/ Nos	20 Nos.	10.00	For providing basic amenities to patrolling camps/chowkis/staff quarters etc.

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S.	Item of work	ढ ढ ढ ढ ढ	Para No.	Location / GPS coordinates		Previous Year Details				Current Year Proposal				Justification		
	Organizing vehicular patrolling by constituting squads (Tiger Protection Force) (comprising of field staff, labourers and police or SAF or ex-army personnel or home guards with wireless handset and paraphernalia for apprehending offenders, apart from prescribing a patrolling calendar for the squad.)	DD (E)	16.1.6	10.1.7.9	09° 35' 37.8" N 09° 34' 27.5" N 09° 31' 58" N 09° 23' 43" N 77°11'20.00" N 09°32'30" N	077°18' 06.3" E 077° 20' 15.3" E 077° 22' 12" E 9°32'30.00" E 09° 34' 05.9" E 77° 14' 27.3" E 77°10'.21"E	2352mm	2850mm	20.00	24.45	9°35'3.43"N, 9°34'25.47" N, 9°33'38.72" N, 9°23'41.10" N,	77°11'33.82"E 77°14'57.10"E 77°17'4.72"E 77°12'28.51"E	0.009/ MM	2777 MM	25.00	The protection strategy identified and approved in the TCP warrants effective perambulation with mobile squads, PTR East: 8 MM * 26 Days * 12 Months = 2496 MM 4 MM * 12 Days * 6Months = 288 MM Apart from regular staff, watchers from the adjoining hamlets are also hired to make the patrolling more efficient, Tiger Reserve having sufficient interior perambulation routes such as kuccha roads , trek paths, protection paths etc. By enagaging mobile squads using vehicles can cordinate effective field perambulation techniques.
		DD (W)			9°27'27.5"N 9°25'33.8"N	76°56'41.4" E E76°56'49.8" E	412 MM	473MM	3.50	3.92	9°27'27.5"N 9°25'33.8"N	76°56'41.4"E 76°56'49.8"E	0.009 MM	555 MM	5.00	The protection strategy identified and approved in the TCP warrants effective perambulation with mobile squads, PTR West - 550 MM. Apart from regular staff, watchers from the adjoining hamlets are also hired to make the patrolling more efficient, Tiger Reserve having sufficient interior perambulation routes such as kuccha roads , trek paths, protection paths etc. By enagaging mobile squads using vehicles can cordinate effective field perambulation techniques.
strengthening effective protection.	Maintenance of patrolling roads	DD (E)	16.2.5	10.1.7.6	N: 09 34' 17.47"	E: 077 15' 56.75"	167km	91.4km	25.00	13.61	9°35'41.80" N, 9°35'34.67" N, 9°35'10.69" N, 9°32'30.43" N,	77° 9'52.04"E 77°12'27.63"E 77°17'39.01"E 77° 7'2.01"E	5/ Km	5km	25.00	The internal roads used in patrolling needs annual maintenance after the rainy season. With the availability of all terrain vehicles, the access to the most interior areas have increased. Some road formations are necessary to connect the previously isolated APCs
		DD (W)			9°27'27.5"N 9°25'33.8"N	76°56'41.4" E 76°56'49.8"E	40 KM	33KM	6	6.19	9°27'27.5"N 9°25'33.8"N	76°56'41.4"E 76°56'49.8"E	0.15/ Km	60 KM	9.00	The internal roads used in patrolling needs annual maintenance after the rainy season. With the availability of all terrain vehicles, the access to the most interior areas have increased. Some road formations are necessary to connect the previously isolated APCs

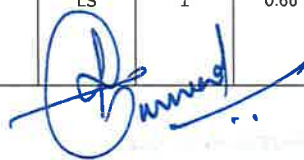
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S.	Item of work	क्र.सं.	Para No.	Location / GPS coordinates		Previous Year Details				Current Year Proposal					Justification	
	Fire management activities	DD (E)	16.2.14	7.2.2.3	9°36'10.6"N	77° 10'28.3"E	37.5km	40.4km	15.00	14.16	9°35'10.69"N	77°17'39.01"E	0.4/km	40 Km	16.00	Wild Fire is major management issue in Periyar Tiger Reserve. The dry months from January to April (till pre-monsoon showers) are highly fire prone. Majority of fires here are ground fires.Grasslands and eucaliptus plantations are highly fire prone. Fire from these areas often creep into the evergreen & semi evergreen forest areas lying contiguous to these areas. Hence fire management strategies such as firelines & fire breaks are inevitable to prevent and control uncontrolled fire and consequent loss of biodiversity (the area belongs to difficult category)
		DD (W)														
	Establishing & Mtce. of wildlife Monitoring system.	DD (E)	16.2.27	7.2.2.3.8	9°28'44.73" N	77°14'35.66" E	5nos	5nos	0.50	1.44	9°28'44.73" N	77°14'35.66"E	.025/nos	4 Nos	0.10	Replacing damaged and outdated M Stripe Mobiles



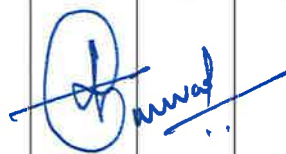
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S.	Item of work	प्र. सं. क्र.	Para No.	Location / GPS coordinates		Previous Year Details				Current Year Proposal				Justification		
		DD (W)			9°27'27.5"N 9°25'33.8"N	76°56'41.4"E 76°56'49.8"E	5 Nos	2 Nos	0.50	0.29	9°27'27.5"N 9°25'33.8"N	76°56'41.4"E 76°56'49.8"E	0.10/ Nos	10 Nos	1.00	Proposed to purchase additional SD cards,mobile pouch and power bank for 75nos of mobiles used in monitoring using M stripes. Tiger Reserve is using M-stripes application for the total effective management. This android application has three distinct modules namely Patrol module, Ecological module and Conflict module. The Patrol module inter-alia is a mechanism to ensure accountability of front line staff vis-à-vis antipoaching efforts and is useful for the Tiger Reserve management to strengthen the protection activities. Now the proposal is to purchase additional mobile phones, SD cards,printer, desktop computer for the storage/ analysis of data to strengthen the existing system, PC for analysis of Mstripes data.
Addressing man-animal conflict	Procurement of tranquilizing equipment, darts, drugs, maintenance of rescue vehicles.	DD (E)	16.4.5	10.1.7.13 ,12.2			LS	LS	2.50	2.22	9°23'12.43" N	77° 8'54.83"E	LS	LS	3.00	Proposed to purchase tranquilizing medicines antidotes, anti biotics,intravenous fluids, analgesics, anti inflammatories, anti pyretics, lotions and ointments, dewormers and antiparasitics and other veterinary care medicines and equipments. The vehicles used in rescue operations need periodic maintenance to ensure hassle free operations.
		DD (W)			9°27'27.5"N 76°56'41.4"E 9°25'33.8"N 76°56'49.8"E	LS	LS	1	0.66	0.66	9°27'27.5"N 9°25'33.8"N	76°56'41.4"E 76°56'49.8"E	LS	0	0.00	



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S.	Item of work	प्रकार	Para No.	Location / GPS coordinates		Previous Year Details				Current Year Proposal					Justification	
Mainstreaming wildlife concerns	Habitat improvement measures.	DD (E)	16.10.5	7.2.2.4.1	9°19'35.34" N 9°27'38.87" N 9°26'57.79" N 9°34'18.17" N 9°23'50.56" N 9°28'35.49" N 9° 28'48.4"N 9°32' 30.1"N 9°32' 69.5"N 9° 32' 079"N	77°17'55.90" E 77°17'47.90" E 77°18'20.62" E 77°16'21.44" E 77°15'35.08" E 77°16'48.33" E 77° 8'72.1"E 77° 06'49.91"E 77° 08' 59.9"E 77° 08'	100ha	105.5Ha	15.00	15.91	9.39°47.17' N 9°39'84.83" N 9°45'02.66" N 9°56'36.94" N 9°56'24.07" N 9°55'60.24" N 55°41.18'N 9°55' 32.48"N 9°55' 77°18'38.12"	77°25'94.83"E 77°25'78.37"E 77°30'68.57"E 77°18'60.35"E 77°19'16.95"E 77°18'60.04"E 18°27.26'E 18°59.97'E 77° 18' 57.72"E 77° 18' 51.81"E 77°18'97.16"E	0.15/ Ha	100 Ha	15.00	Habitat improvement activities aims at managing prime habitats and water sources of the tiger reserves. The swamps and grasslands adjoining woodlands are gradually taken over by woody species. It is essential to arrest the succession to retain the habitat of herbivores. Maintenance of Vayals (swamps), desilting of waterholes, controlled burning, uprooting and removal of trees invading the grassland etc. measures are the main activities.
		DD (W)			9°27'27.5"N 9°25'33.8"N	76°56'41.4"E 76°56'49.8"E	67 Ha	45 Ha	10.00	6.74	9°27'27.5"N 9°25'33.8"N	76°56'41.4"E 76°56'49.8"E	0.15/ Ha	50 Ha	7.50	Habitat improvement activities aims at managing prime habitats and water sources of the tiger reserves. The swamps and grasslands adjoining woodlands are gradually taken over by woody species. It is essential to arrest the succession to retain the habitat of herbivores. Maintenance of Vayals (swamps), desilting of waterholes, controlled burning, uprooting and removal of trees invading the grassland etc. measures are the main activities.
Staff Development	Gathering of secret information and related activities	DD (E)	16.1.12	10.1.10			LS	LS	0.50	0.14		LS	LS	0.50	Information network is essential for the successful prevention of crime and timely interventions. A well organised intelligence network is a pre-requisite for prevention.	
		DD (W)					LS	LS	0.10	0.00		LS	LS	0.10		
	Study tours for appraisal of good practices in other reserves.	DD (E)	16.8.5	10.1.9								LS	2 No	2.00	This management technique help staff to understand the field management activities that are taking place in other tiger reserves/ PAs. Such good management tools can be adopted and implemented in PTR.	
		DD (W)				LS	LS	0	0.00				1 No	0.50		



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S.	Item of work	पं. क्र.	Para No.	Location / GPS coordinates		Previous Year Details				Current Year Proposal				Justification	
	Provision of Project Allowance to staff (all categories) of Project Tiger (providing project allowance to Ministerial staff is a new component) (non recurring).	FD Office	16.15	13.5			17Nos*12	17Nos*13	2.20	1.95			17Nos*12	2.20	Field Director @ 2000 * 2months ACF & DD @1500 *12 Months AA, HA, Sr.clerk-5, Senior grade Typist-1, Confidential Assistant-1, Driver- @1000*12months-Office Attendants @700*3*12 &PTS @400*12*1
DD (E)									26.18	20.60	9°23'12.43" N,	77° 8'54.83"E	334*12	26.18	Project allowance for staff, DD-1 AFD-1, 2*24 months*1500=36000 AFVO-1, AA-1, J S -1, H A -1, R F O-6,Sr.clerk-7 ,Selection grade Typist-1,Sr.gr.Driver-1,compiler-1 , CA-1,WLA-1,Dy. RO-4 26*1000Rs*12month=312000 SFO-37, 37nos*Rs900*12months=399600 BFO-147, Clerk-5, Typist-1, Driver-3, Boat Driver-5, 161nos*Rs700*12months=1352400 Peon-8, Boat Lascar-1, Boat watcher-2, Boat cleaner-2, Tribal watcher-78, Forest
DD (W)			9°27'27.5"N 9°25'33.8"N	76°56'41.4"E 76°56'49.8"E	135x12	135x12	11.30	11.62	9°27'27.5"N 9°25'33.8"N	76°56'41.4"E 76°56'49.8"E		135Nos X 12 Month	11.30	Deputy Director-1-1x1500x12=18000, RFO-2-2x1000x12=24000, JS-1-1x1000x12=12000, HA- 1x1000x12=12000, Sr.Clerk-4x1000x12=48000, Clerk-4x700x12=33600, Typist-1x700x12=8400, Dy.RFO-3x900x12=32400, SFO-18x900x12=194400, BFO-64x700x12=537600, Driver-4x700x12=33600, Peon-5x400x12=24000, Attender-1x700x12=8400, Tribal Watcher-20x400x12=96000, Part time sweeper-3x400x12=14400, Forest Watcher-7x400x12=33600.	


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S.	Item of work	क्र.सं.	Para No.	Location / GPS coordinates		Previous Year Details				Current Year Proposal				Justification	
	Provision for ration allowance to field staff	DD (E)	16.16.1	12.7	9°28'44.73" N 77°14'35.66" E			6.00	12.55	9°28'44.73" N 77°14'35.66" E	2/month	5months	10.00	For providing camp ration to front line staff. Deputy Ranger-3, SFO-37, BFO-147, TW-70, Forest watcher-26,Protection Mazdoors-250 (April to August)	
		DD (W)			9°27'27.5"N 9°25'33.8"N	76°56'41.4"E 76°56'49.8"E	2064 Nos	2064 Nos	2.00	5.30	9°27'27.5"N 9°25'33.8"N	76°56'41.4"E 76°56'49.8"E	0.00087/ Nos	180MM	2.00
	Supply of first aid kit	DD (E)	16.16.3	12.3		4 Nos	0	0.50	0.00	9°23'12.43" N, 77° 8'54.83" E	0.125/ Nos	4 Nos	0.50	For providing first aid kit, stretcher and basic medical equipments to 4nos of interior camp shed	
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S.	Item of work	प्रकार	Para No.	Location / GPS coordinates		Previous Year Details				Current Year Proposal				Justification		
Rehabilitation package	Deployment of the notified tribes in foot patrolling for protecting wildlife	DD (E)	16.6.1	10.1.11	N 09° 28' 55.6" N 09° 31' 8.9" N- 09°34'36.1" N9°32'30.00 "N N9° 34' 05.9" N 09°32'30"	E 077° 16' 32.9" E 077° 18' 54.6" E-077° 07'61.5" E77°11'20.00 " E 77° 14' 27.3" E 77°10'.21"	3360mm	3945mm	29.00	33.80	9.481029N 9.596972N 9.51913N 9.494721N 9.28795N 9.598041N	77.277348E 77.314469E 77.316045E 77.361639E 77.286075E 77.220418E	0.009/ MM	3000 MM	27.00	Engaging tribes and other forest dependents in patrolling is one of the best protection strategy. Their traditional knowledge on forest contribute much to the protection of wildlife. Engaging tribes for foot patrolling. PTR East- 12MM*26days*12months=3744mm 3MM*12days*6months=216mm
		DD (W)			9°27'27.5"N 9°25'33.8"N	76°56'41.4"E 76°56'49.8"E	1410 MM	790MM	12.00	11.91	9°27'27.5"N 9°25'33.8"N	76°56'41.4"E 76°56'49.8"E	0.009MM	1000 MM	9.00	Engaging tribes and other forest dependents in patrolling is one of the best protection strategy. Their traditional knowledge on forest contribute much to the protection of wildlife. Engaging tribes for foot patrolling. PTR West - 5MM*26days*12months=1560mm 8MM*12days*1months=96mm
	Total Non-Recurring (Core) :														272.38	
	Non-Recurring (Buffer) :															
Anti-Poaching	Deployment of elephant squads.	DD (E)	16.1.15	10.1.4	9° 34' 18.2"N 9° 35' 37.8"N 9° 31' 28.7" N 9°32'30.00" N 9° 34' 05.9"N 9°32'30"N	77° 16' 22.2"E 77° 18' 06.3"E 77° 06' 55"E 77°11'20.00" E 77° 14' 27.3"E 77°10'.21"E	2940	3362	25.00	28.95	9.558062N 9.459694N 9.487817N 9.604083N 9.573717N 9.524383N 9.571775N	77.163256E 77.143611E 77.144472E 77.181183E 77.249033E 77.255583E 77.272686E	0.009/ MM	3000 MM	27.00	Protection is the most important component in Reserve management . Any slackness in prevention of chances of poaching will be suicidal for the Tiger Reserve. Effective planning and deployment of antipoaching squads mitigate special and temporal threats to tigers, co- predators, prey and their habitat. This item is highly inevitable and hence provided. PTR East- 10mm*26days*12months=3120 9mm*12days*9months=216
		DD (W)					941 MM	850MM	8.00	8.00	9°27'27.5"N 9°25'33.8"N	76°56'41.4"E 76°56'49.8"E	0.009/ MM	1111 MM	10.00	About 1 Cr pilgrims visit Sabarimala every year by walking through the traditional routes through the forests alone. Accidents due to elephant attack occur every year in this route. In order to ensure safety of pilgrims, deployment of elephant squads is very much essential. PTR West- 1111MM
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S.	Item of work	Dis. vis. in E	Para No.	Location / GPS coordinates	Previous Year Details				Current Year Proposal				Justification			
Anti-Poaching	Maintenance of APC/ Patrolling Camps/Chowkis/ Buildings including maintenance of the structure and other basic amenities	DD (E)	16.1.4	10.1.7.1	09° 36' 14.5" N 9° 32' 36.004" N 09° 35' 25.0" N	077° 10' 52.17" E 77° 10'.042" E 077° 11' 49.2" E	2	1	5.75	2.24	9° 36' 48.31" N 9° 34' 23.45" N 9° 32' 0.54" N 9° 21' 6.40" N 9° 28' 20.86" N 9.599991N	77° 11' 51.43" E 77° 9' 56.29" E 77° 12' 42.41" E 77° 10' 32.95" E 77° 8' 34.15" E 77.357639E	3.0/ Camp	5 Nos	15.00	Maintenance of patrolling camps at Anchuruli, Brandippara, Pachakkadu, Pandiyan Thodu, Ottakkudusi These are crucial locations for camping of the staff. The proposed work is for establishing camping facility. With the induction of lady staff, it has become an absolute necessity to have toilets and kitchen facilities in the APCs.
		DD (W)					1 No	1 No	5.75	0.88	09° 30' 1.80.0" N Pampa GPS Reading Ezhukumon	077° 05' 16.8" E	6.00/camp	2No	12.00	Mtce of Uppupara Thavalam campshed in Azhutha Range is situated in a vulnerable area, staff are staying this campshed throughout the year for field permabulation. This campshed has an important role in the sabarimala pilgrim management along the traditional trekking route from Sathram to Sannidhanam.Mtce of DDs office at Peermedu. Present condition of this office is not good. For the last 4 years this buildings has not been maintained.FDs camp office at Kuttikkanam is also to be maintained. Hence maintenance of these buildings are inevitable.
man-animal conflict	Payment of compensation for cattle lifting, death of human beings and crop depredation due to wild animals.	DD (E)	16.4.1	5.4		LS	LS	0.50	0.56	9° 23' 12.43" N,	77° 8' 54.83" E	LS	LS	0.50	Timely payment of compensation to damages caused by wild animals is a practical way to gain the trust of the people. Delayed payment due to non availability of funds have caused severe conflict situations with the public in the past. Hence this item is being proposed	

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Addressing : %	Item of work	प्रकार	Para No.		Location / GPS coordinates		Previous Year Details				Current Year Proposal				Justification	
	Deployment traps, cages to catch problematic animals.	DD(W)	16.4.1.3	5.4.1			LS	LS	1.00	0.45	9°34'20.9"N	76°59'36.6"E	LS	2 No	1.00	To mitigate man-animal conflict. The Rapid Response Team stationed at headquarters is managing the man-animal conflict measures of fringes of Tiger Reserve and adjacent area. The team has to be equipped with traps, cages etc. Hence this item is provided.
Mainstreaming wildlife concerns	Redressing man-animal conflict	DD(E)	16.10.1.1	5.4	N-09034'36" N 09 31' 57.1" N 090 30' 28.6" N 09 29' 06.2" 09° 36' 14.5" N	E-077° 07'51" E 077° 15' 37" E 077° 16' 39.8" E 077° 15' 43" E 077° 10' 52.17"	LS	LS	5.00	0.00	9°36'6.92"N, 9°35'40.41" N, 9°36'24.77" N, 9°31'8.40"N, 9°36'7.79"N, 9°20'13.93" N, 9°26'55.98" N, 9°23'12.43" N,	77° 9'47.32"E 77° 9'53.37"E 77° 9'28.84"E 77°24'16.76"E 77°21'21.88"E 77°18'38.35"E 77°16'27.04"E 77° 8'54.83"E	LS	LS	5.00	Habitations frequently raided by wild animals will be protected by creation & mtce of of trenches, power fences etc. People will be made aware of the various aspects of human wildlife conflict issues through awareness programmes. Rapid response teams have to be kept ready for action at any time of the day. This is an essential item in management of the Tiger Reserve.
		DD (W)					LS	LS	0.00	0.00	9°34'20.9"N	76°59'36.6"E			1.00	To mitigate man-animal conflict.The Rapid Response Team stationed at headquarters is managing the man-animal conflict measures of fringes of Tiger Reserve and adjacent area. The team has to be equipped with traps, cages etc. Hence this item is provided.

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S.	Item of work	DD	Para No.		Location / GPS coordinates		Previous Year Details				Current Year Proposal				Justification	
	Financial assistance to SAPP, Thavalam EDCs(8Nos) for Pilgrim management during the Sabarimala Pilgrim season of Nov-22 to Jan-2023	DD (W)	3.1.9.10		9°27'27.5"N 9°25'33.8"N	76°56'41.4"E 76°56'49.8"E	-	-	-	-	9°27'27.5"N 9°25'33.8"N	76°56'41.4"E 76°56'49.8"E	5.00 lakh	8 Nos.	40.00	Every year 1 Cr pilgrims visits Sabarimala during the pilgrim season from Nov to Jan. SAAP EDC provides camping facilities at 8 locations
	Specialized training in the use of Global Information System (GIS), anti-poaching operations, Camera trapping, M-Stripes and real time monitoring.	DD (E)	16.8.3	8.5	9°28'44.73" N	77°14'35.66" E	1		0.50	0.00	9°28'44.73" N	77°14'35.66" E	0.50/ Nos	2 Nos.	1.00	With the advancement of technology, the monitoring of wildlife, habitat management and patrolling are being mapped in GIS platform. This helps in making management decisions easier and effective.
Eco-Development	Basic health care/ Health Camps	DD(E)			9°28'44.73" N	77°14'35.66" E	2	0	0.50	0.00	9°28'44.73" N	77°14'35.66" E	0.25/ Nos	4 Nos.	1.00	For conducting medical camps in and around PA. This is a major component in the facilitation and support extended for rural development programme through eco-development committees. Tiger Reserve and health department carrying out this programme jointly.

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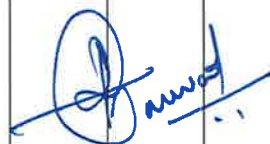
S.	Item of work	Dis in E	Para No.	Location / GPS coordinates		Previous Year Details				Current Year Proposal				Justification	
		DD (W)				2 Nos	2 Nos	0.50	0.51	9°27'27.5"N 9°25'33.8"N	76°56'41.4"E 76°56'49.8"E		4 Nos	1.00	For conducting medical camps in and around PA. This is a major component in the facilitation and support extended for rural development programme through eco-development committees. Tiger Reserve and health department carrying out this programme jointly. In addition to this medical aid is provided to the Sabarimala pilgrims during the pilgrimage season along the traditional trek route passes through the PTR West division area.
	Provision for ration allowance to field staff	DD (E)	16.16.1	13.2						9°23'12.43" N,	77° 8'54.83"E	2month	3Monhs	6.00	For providing camp ration to front line staff. Deputy Ranger-3, SFO-37, BFO-147, TW-70, Forest watcher-26,Protection Mazdoors-250 (September to November)
Staff Deployment		DD(W)				130x3		2.00	1.71	9°27'27.5"N 9°25'33.8"N	76°56'41.4"E 76°56'49.8"E	0.01/MM	130 Nos for 3months	4.00	Camp food to additional man mazdoor engaged in fire protection during the fire season in the interior camps. 130 watchers@ Rs.500 for 3 months (from Jan to March)

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S.	Item of work	पं. क्र. =	Para No.	Location / GPS coordinates		Previous Year Details				Current Year Proposal				Justification		
Total Non Recurring (Buffer) :														124.50		
	Recurring (Core)															
Anti-Poaching	Deployment of anti-poaching squads.	DD (E)	16.1.2	10.1.4	09° 31'	77°16'32.9"E	4412	4901mm	37.50	42.25	9.48402N	77.263235E	.009/ MM	3333 MM	30.00	Protection is the most important component in Reserve management , Any slackness in prevention of chances of poaching will be suicidal for the Tiger Reserve. Effective planning and deployment of antipoaching squads mitigate special and temporal threats to tigers, co- predators, prey and their habitat. This item is highly inevitable and hence provided. To engage MM for the deploying Anti Poaching Squads
					57.1"N	77°15' 37"E					9.370808N	77.307739E				
					9° 30'	77°16' 33.8"E					9.530463N	77.370183E				
					28.6"N	77°16' 22.2"E					9.612329N	77.205839E				
					9° 34'	77° 18'					9.506927N	77.276738E				
					18.2"N	06.3"E					9.572669N	77.165908E				
					9°35'37.8"N	77°20'15.3"E					9.481029N	77.277348E				
											9.596972N	77.314469E				
					9°34'27.5"N	77° 22'12"E					9.51913N	77.316045E				
											9.494721N	77.361639E				
					9°31'58"N	77°21'42"E					9.28795N	77.286075E				
					9°23'43"N	77°18'54.6"E					9.598041N	77.220418E				
					9°31'8.9"N	77°18.26'92.4"E					9.558062N	77.163256E				
											9.459694N	77.143611E				
					9°28'55.6"N	77°18'29"E					9.487817N	77.144472E				
						77°17'15"E					9.604083N	77.181183E				
					9°26'21'95"N						9.573717N	77.249033E				
						77° 5'30"E					9.524383N	77.255583E				
					9°22'16"N	77°13.37.5"E					9.571775N	77.272686E				
					9°34'17.236"											
	77°24.9033E															
9°26'53"N	77°18.703 E															
9°29'06.2"N	77°20.8266 E															
9.57.66.94N	77°06'45.4"E															
9°57.3716N	77° 07'61.5"E															
9°52.4383N	77°25.583 E															
	77°15'43"E															
9°53.374N	77°21.1794 E															
9°542018N																
9°587750N																
9°31'34.4"N																
9°34'36.1"N																



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S.	Item of work	डि. ए. ए. =	Para No.	Location / GPS coordinates		Previous Year Details				Current Year Proposal				Justification	
		DD (W)				1471 MM	1268 MM	12.50	15.45	9°27'27.5"N 9°25'33.8"N 9° 27' 70.7"N 9°27'850"N 9°25'54.64" N 9°27'51.83" N	76°56'41.4"E 76°56'49.8"E 77° 08' .0"E 76°58'178"E 77° 4'52.67"E 77° 5'28.04"E	0.009/ MM	1666 MM	15.00	Protection is the most important component in Reserve management. Any slackness in prevention of chances of poaching will be suicidal for the Tiger Reserve. Effective planning and deployment of antipoaching squads mitigate special and temporal threats to tigers, co- predators, prey and their habitat. This item is highly inevitable and hence provided. To engage MM for the deploying Anti Poaching Squads
	Fire management activities	DD (E)	16.1.5	7.2.2.3	09° 31' 57.1"N 9° 30' 28.6"N 9° 34' 18.2"N 9°35'37.8"N 9°34'27.5"N 9°31'58"N 9°23'43"N 9°31'8.9"N 9°28'55.6"N 9°26'21'95"N 9°22'16"N 9°34'17.236 " 9°26'53"N 9°29'06.2"N 9.57.66.94N 9°57.3716N 9°52.4383N 9°53.374N 9°542018N 9°587750N 9°31'34.4"N 9°34'36.1"N	77°16'32.9 "E 77°15' 37"E 77°16' 33.8"E 77°16' 22.2"E 77° 18' 06.3"E 77°20'15.3"E 77° 22'12"E 77°21'42"E 77°18'54.6"E 77°18.26'92.4 "E 77°18'29"E 77°17'15"E 77° 5'30"E 77°13.37.5"E 77°24.9033E 77°18.703 E 77°20.8266 E 77°06'45.4"E 77° 07°61.5"E 77°25.583 E 77°15'43"E 77°21.1794 E	5294mm 5600mm 45.00 48.28		9°542018N 9°587750N 9°31'34.4"N 9°34'36.1"N 9° 31' 57.1"N 9° 30' 28.6"N 9° 34' 18.2"N 9°35'37.8"N 9°34'27.5"N 9°31'58"N 9°23'43"N 9°31'8.9"N 9°28'55.6"N 9°26'21'95" N 9°22'16"N 9°34'17.23 6" 9°26'53"N 9°29'06.2"N 9.57.66.94N 9°57.3716N 9°52.4383N 9°53.374N	77° 07'61.5"E 77°25.583 E 77°15'43"E 77°21.1794E 77°16'32.9 "E 77°15' 37"E 77°16' 33.8"E 77°16' 22.2"E 77° 18' 06.3"E 77°20'15.3"E 77° 22'12"E 77°21'42"E 77°18'54.6"E 77°18.26'92.4 "E 77°18'29"E 77°17'15"E 77° 5'30"E 77°13.37.5"E 77°24.9033E 77°18.703 E 77°20.8266 E 77°06'45.4"E	0.009 / MM	3333 MM	30.00	The strength of regular staff is grossly insufficient for effectively patrolling the tiger reserve. Hence it is proposed to engage Mazdoors from tribes and local dependent communities for effective camping and protection of Tiger Reserve. 16mm*26days*12months 8MM*12days*6months	

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S.	Item of work	प्रकार	Para No.	Location / GPS coordinates		Previous Year Details				Current Year Proposal				Justification		
	Maintenance of Firelines and Fire breaks	DD(W)	16.1.5	7.2.2.3.3			37 KM	19 KM	3.00	1.54			0.40/Km	20km	8.00	Wild Fire is major management issue in Periyar Tiger Reserve. The dry months from January to April (till pre-monsoon showers) are highly fire prone. Majority of fires here are ground fires.Grasslands and eucaliptus plantations are highly fire prone. Fire from these areas often creep into the evergreen & semi evergreen forest areas lying contiguous to these areas. Hence fire management strategies such as firelines & fire breaks, are inevitable to
Anti-Poaching	Maintenance of wireless stations / Wireless tower and network.	DD (E)	16.1.8	10.1.7.9	N: 09° 34' 18.2" N 09°34'36.1" N 77°.25583 N 09°35' 37.8" N E: 77° 16' 22.2" E-077° 07'61.5" E 9°.524383 E 077° 18' 06.3" E		6 Nos.	3 Nos.	3.00	2.11	9°31'52.99" N, 9°35'57.13" N, 9°29'6.39"N	77° 6'53.74"E 77°10'28.17"E 77°15'47.33"E	0.1/ Nos	5 Nos	5.00	Wireless radio is the only means of communication to most of the interior APCs.It is the fastest mode of communicate to all the APCs with one message. For ensuring the continued operation of this system, annual maintenance and servicing is necessary.
		DD (W)					6 Nos,	6 nos	3.00	4.44	N 09o 34' 64"	E 70o 58' .47"		5 Nos,	5.00	For repairs and maintenance of wireless tower, walkie talkies and base stations at 5 locations. This includes main base station at Kutikkanam, sub stations at Uppupara, Moozhikal, Satram, Choozhi, Puthussery and Pachakkanam including wages of Wireless operators This is an inevitable work.Hence it is provided.
	Maintenance and POL charges of vehicles &boats	DD (E)	16.1.20	10.1.7.9			20	20	14.00	19.69	9°23'12.43" N,	77° 8'54.83"E	Ls	20 Nos.	20.00	Repair and Mtce of vehicles and boats is highly inevitable for the effective protection of the
	DD (W)					10 Nos	10 Nos	6.00	8.38				10 Nos,	12.00		


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S.	Item of work	प्रकार	Para No.	Location / GPS coordinates		Previous Year Details				Current Year Proposal				Justification	
	Organizing surprise raids and animal rescue operations jointly with the local police(in railway stations, local trains, bus-stops, buses, catchers and cafeteria.)	DD (E)	16.1.9	10.1.4.1	9°28'44.73" N 77°14'35.66" E	Ls	Ls	1.20	0.03	9°28'44.73" N 77°14'35.66" E	LS	LS	0.50	There have been many instances where wildlife articles like tiger and leopard skins and snakes were seized from the passengers of public transport during routine checking of police. It is a very important deterrent for the criminals engaged in wildlife crime.	
	Maintenance and Upkeep of existing patrolling campsheds/ Chowkis	DD(W)	16.1.3	10.1.7.2		1 No	1nos	5.00	4.75		LS	1 No.	5.00	1.Undamedu Campshed in Azhutha Range- Section Office is working in an old dilapidated building, staff are also staying in one portion of the same building. This building requires inevitable maintenance ,Hence this item is provided. Choozhy section is the most interior section office in this division and the area is highly vulnerable and is in the newly added area.	
Strengthening	Maintenance of anti poaching camps in the core area.	DD (E)	16.2.1	10.1.7.1	09 28' 55.6" N 09° 35' 30.38" N E 077 16' 32.9" 77° 10' 27.50" E	2	1nos	4.00	2.29	9.586477N 9.526056N 9.601617N	77.17807E 77.112611E 77.167367E	3 / Nos	3 Nos	9.00	Improvement of ppatrolling camps, Staff quarters , office buildings etc. for better protection.Thekkady, Periyar and Vallakkadavu Ranges
		DD (W)				5 Nos		3.50	2.81			2.5	2Nos	5.00	Mtce of APC at 4th mile APC and Kochu Pampa APC - these APCs plays a major role in Protection, Sabarimala Pilgrim Management, etc.
	Maintenance of exsisting Patrolling camp, culverts, anti poaching camps in the core area.	DD (W)								9°25'32.5"N 9°25'25.1"N	77°02'13.8"E 77°04'20.1"E	2.5/ Nos	2 No	5.00	Maintenance of Karimala APC & Charalmedu APC in Pampa Range: these building requires urgent repair and maintenace to accomodate lady beat forest officers.
	Conducting nature camps	DD (E)				6 Nos		1.50				0.25/ Nos.	8 Nos.	2.00	Conducting nature awareness camp at Thekkady & Vallakkadavu
		DD (W)				5 Nos	5 Nos	1.00	1.07				6 Nos	1.50	Conducting nature awareness camp and improving facilities of Kumarakom, Pampa, Angelvalley Nature education centres.
	Repair and maintenance of Camera traps, M Stripe mobiles and associated Hardware.	DD (E)	16.2.21	8.3	N 09° 35' 48.99" E 077 10' 30.99"	10	10	0.50	0.50	N 09° 35' 48.99" E 077 10' 30.99"		LS	10 Nos	0.50	Maintenance of Camera traps, M-Stripe mobiles and associated Hardware.
		DD (W)				1 No	1 No	1.00	0.80				2 No.	0.50	Maintenance of computer, Printer and providing over head projector for nature education centres at Pampa and Kumarakom.
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Strengthening	Maintenance of Kutchha Roads	DD (E)	16.2.3	10.1.7.6	N-09°33'49.2" E-077°08'36.7" N-09°29'26" E-077°13'04" N-09°23'12.5" E-077°12'18.5" N-09°03'07.7" E-077°07'15.6" N-09°27'29.7" E-077°09'42.2" N-09°26'23.7" E-077°12'08.8" N-09°32'44" E-077°08'48" N-09°29'28.15" E-077°11'04.40" N-09°33'11.00" N-09°32'00.00" E-077°10'32.00" N-09°34'05.9" E-077°14'27.3" N-09°33'39.3" E-077°13'18.2"	N-09°33'29.3" E-077°07'52.4" N-09°28'07" E-077°14'37.3" N-09°22'31.9" E-077°12'15.9" N-09°33'43.0" E-077°07'24.1" N-09°26'23.8" E-077°12'08.7" N-09°26'01.0" E-077°14'22.5" N-09°33'01.6" E-077°08'40.2" N-09°28'42.67" E-077°08'46.25" N-09°33'39.3" E-077°13'18.2"	100	9.0	15.00	11.04	N-09°26'23.7" E-077°12'08.8" N-09°32'44" E-077°08'48" N-09°29'28.15" E-077°11'04.40" N-09°33'11.00" N-077°10'32.00" E-077°09°34'05.9" E-077°14'27.3" N-09°33'39.3" E-077°13'18.2" N-09°33'33.00" N-09°33'29.3" E-077°11'16.00" E-077°07'52.4" N-09°28'07" E-077°14'37.3" N-09°34'33.46" E-077°10'33.09" N-077°11'2.00" E-077°13'18.2" N-09°34'17.00" E-077°11'16.00"	0.15/ Km	67 Km	10.00	These roads leading to poaching and ganja cultivation prone areas are to be maintained immediately after monsoon. Proper maintenance of these routes are essential for effective protection. Hence this item is of top priority.
		DD (W)					48 KM	47 KM	7.25	6.88		0.15/ Km	65 Km	9.80	



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Maintenance of trek paths	DD (E)	16.2.3	10.1.7.7	9°34'23", 77.20'5" 9.34'1', 77°19'26" 9°34'36", 77.20'1" 9.°34'25", 77°19'32" 9°34'58", 77°20'36" 9°33'50", 77°21'3" 9°32'59", 77°21'47" 9.34'33", 77°20'10" 9°30'51", 77.°15'47" 9.°28'57", 77°16'22" 9°29'9", 77°15'47" 9°29'35", 77°15'47" 9.29'15.47 ",77°17'2" 9°29'31", 77°17'20" 9°29'42.4", 77°21'42.2 " 9.°27'59.8", 77°20'.2" 9°26'79.6", 77°18'37.1 " 9°28'5", 77°20'56.9" 9°20'15.77	9°34'7" , 77°19'3 9" 9°33'32 , 77°19'1 " 9°34'11 , 77°19'0 " 9°34'6" , 77°19'1 9" 9°34'30 , 77°21'1 6" 9°32'12 , 77°20'4 " 9.31'20. 4", 77.19'4 0.1" 9.31'9.4 ", 77.18'5 4.6" 9.30'28 ", 77.16'3 3" 9.30'28 ", 77.16'3 3" 9.26'47	70	128.4k m	17.50	18.81	9°33'50", 77°21'3" 9°32'59", 77°21'47 " 9.34'33", 77°20'10 " 9°30'51", 77°15'47 " 9°28'57", 77°16'22 " 9°29'9", 77°15'47 " 9°29'35", 77°15'47 " 9°29'15. 47",77°1 7'2" 9°29'31", 77°17'20 " 9°29'42. 4", 77°21'42 .2" 9°27'59. 8", 77°20'2" 9°26'79. 6", 77°18'37 .1" 9.27'7.19 ", 77.18'96.	9°32'12", 77°20'4" 9.31'20.4 ", 77.19'40. 1" 9.31'9.4" ", 77.18'54. 6" 9.30'28", 77.16'33 " 9.30'28", 77.16'33 " 9.26'47", 77.18'45. 6" 9.29'9", 77.15'47 " 9.30'34.2 ", 77.18'13. 6" 9.29'27.7 ", 77.19'5.3 " 9.28'13.5 ", 77.21'3.1 " 9.27'18.1 ", 77.21'38. 8" 9.27'7.19 ", 77.18'96.	0.15/ Km	130km	20.00	Foot patrolling is very important in protection of the Tiger Reserve. After the monsoon, the trek paths get eroded and get infested with weed growth. These paths require annual maintenanc e under three ranges Vallakkada vu, Periyar and Thekkady
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व्याघ्र परियोजना
Project Tiger
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Ministry of Environment, Forest and Climate Change
भारत सरकार नई दिल्ली/Govt. of India New Delhi

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				9°22'26.1", 77°18'42.5 "	37", 13'47.2 7"					9°26'22", 77°18'27 .3"	9.22'24.3 ", 77.19'50.				
				9.26'12", 77°18.46"	9.17'2.3 3",					9°25'24. 9,	8", 9.26'12",				
				9°22'35.4", 77°18'36.5 "	77.15'2. 8"					77°19'32 "	77.18'40 "				
				9°22'26.1", 77.18'42.5"	9.16'58. 2",					9°28'41. 3",	9.25'20.3 ",				
				9.22'35.4", 77.18'36.5"	77.15'5 1.4"					77°21'42 .6	77.20'50. 5"				
				9.28'46.6", 77.22.57.1"	9.19'26. 8",					9°22'35. 4",	9.23'48", 77.20'28				
				9.22'26.1", 77.18'42.5"	77.16.3 2.8"					77°18'36 .5"	9.21'36", 77.18'19				
				N- 09031'41"	9.22'35. 4",77.1 8'36.5"					77°18'42 .5"	9.24'7",7 7.19'30"				
				E- 77007'49"	9.25'42. 5",					9.26'12", 77°18.46	9.27'17.8 ",				
				N- 09029'6.41	77.19'4 4"					"	77.22'51. 1"				
				" E- 77010'7.41	9.28'2.2 ",77.23' 30"					9°22'35. 4",	9.21'36.9 ",				
				" N- 09029'59"	9.22'24. 3",					77°18'36 .5"	77.16'27. 7"				
				E- 077013'11"	77.19'5 0.8"					9°22'26. 1",	9°29'21" N 77°				
				N- 9020'38.4"	9.26'12 ",					77.18'42. 5"	08'35E N-				
				E- 077011'45.	77.18'4 0"					9.22'35.4 ",	09°29'27. 3" E-				
				4" N- 09020'29.3	9.25'20. 3",					77.18'36. 5"	077° 08'4.42"				
				" E- 077011'34.	77.20'5 0.5"					9.28'46.6 ",	N- 09°26'9"				
				N- 09025'03.8	9.23'48 ",					77.22.57. 1"	E- 077°12'5				
				" E- 077011'43.	77.20'2 8"					9.22'26.1 ",	7"				
					9.21'36 ",77.18'					77.18'42. 5" N-	N- 09°20'0.3 " E-				



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					7" N- 09022'31.3 " E-0770 11'54.8" N- 09022'31.9 " E-0770 12'15.9" N- 09026'09.2 " E-0770 12'56.9" N- 09024'33.4 " E-0770 10'48.4" N- 09031'44.7 " E- 077006'50. 7" N- 09034'5.0" E- 077007'40. 2" N- 09033'49.2 " E- 077008'36. 7" N- 09029'45"	19" 9.24'7", 77.19'3 0" 9.27'17. 8", 77.22'5 1.1" 9.21'36. 9", 77.16'2 7.7" 9°29'21 " N 77° 08'35E N- 09°29'2 7.3" E- 077° 08'4.42 " N- 09°26'9 " E- 077°12' 57" N- 09°20'0 .3" E- 077°13' 4" N- 09°20'0 .3" E- 077° 4"E N- 09°22'3 1.3" E- 077° 11'54.8 "					" E- 077007'4 9" N- 09°20'0.3 " E- 077° 4"E N- 09°22'31. 3" E- 077° 11'54.8" N- 09°26'09. 2" E- 077° 12'56.9" N- 9°21'51.9 " E- 077° 11'40.4" N- 09°26'11. 3" E- 077° 12'43.2" N- 09°24'00. 3" E- 077° 10'19.5" N- 09°32'08. 6" E- 077°07'2 1.2" N- 09°33'49. 2" E- 077008'3 6.7" N-				
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S.	Item of work	DD	Para No.	Location / GPS coordinates	Previous Year Details	Current Year Proposal	Justification
	Maintenance of trek paths	DD (W)	16.2.3	10.1.7.7	62 KM 42.5 Km 15.50 13.65	100Km 15.00	Foot patrolling is very important in protection of the Tiger Reserve. After the monsoon, the trek paths get eroded and get infested with weed growth. These paths require annual maintenance under three ranges Vallakkadavu, Periyar and Thekkady

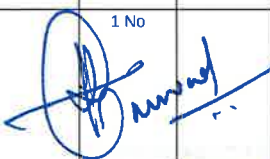


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S.	Item of work	क्र.सं.	Para No.	Location / GPS coordinates		Previous Year Details				Current Year Proposal				Justification	
	Fire management activities .	DD (E)	16.2.15	7.2.2.3	09°27'53" 77° 15'54" 09°34'36" 77° 20'2" 09°27'29.8" 77° 16'0.02" 09°35'32.9" 77° 18'4.9" 09°34'58" 77° 20'36 " 09°33'50" 77° 21'3" 09°34'16.32" 77° 16'57.06" 09°34'16.32" 77° 16'57.06" N-090 29' 471"E -0770 08'534"	09°25'37.31" 77° 14'33.63" 09°34'11" 77° 19'1" 09°23'54.57" 77° 15'30.31" 09°34'17.91" 77° 19'4.86" 09°34'30" 77° 21'16" 09°34'57" 77° 20'35" 09°35'29.43" 77° 18'0.33" N-090 31' 41" E -0770 08'764" 09°34'11" 77° 19'1" N-090 31' 41"E -0770 04' 49" 49°09'25'37.3 1" 77° 14'33.63" 09°34'11" 77° 19'1" N-090 31' 56" E -0770 07' 19" N-090 30' 56" E -0770 07' 19" 19°09'23'54.5 7" 77° 15'20 21"	57	49km	20.00	17.30	09°34'58" 77° 20'36 " 09°33'50" 77° 21'3" 09°34'16.32" 77° 16'57.06" N-090 29' 471"E -0770 08'534" N-090 37' 56" E -14'33.63" 0770 08' 40" 09°27'53" 77° 15'54" 09°34'36" 77° 20'2" N-090 31' 28.7" E -0770 06' 55" 09°34'30" 77° 21'16" 09°34'57" 77° 20'35" 09°35'29.43" 77° 18'0.33" N-090 31' 41"E -0770 04' 49" 49°09'25'37.3 1" 77° 14'33.63" 09°34'11" 77° 19'1" N-090 31' 56" E -0770 07' 19" N-090 30' 56" E -0770 07' 19" 19°09'23'54.5 7" 77° 15'20 21"	0.40/km	50 Km	20.00	A major portion of the Tiger Reserve is under Savanna woodlands and grasslands. Grasslands form a primary feeding ground of herbivorous animals providing excellent foraging grounds. The occurrence of fires is a regular event in the hot months starting from January till May every year. It is very difficult to control the wild fires once it gets out of control. Fire Plans are prepared for every Range in the Tiger Reserve and treatment plans have been prepared. The activities include creating firelines and fire breaks, control burning, deployment of fire fighting squads and participatory fire management.
		DD (W)				37 Km	49 Km	13.50	13.13		0.35/ Km	39Km	13.50	A major portion of the Tiger Reserve is under Savanna woodlands and grasslands. Grasslands form a primary feeding ground of herbivorous animals providing excellent foraging grounds. The occurrence of fires is a regular event in the hot months starting from January till May every year. It is very difficult to control the wild fires once it gets out of control. Fire Plans are prepared for every Range in the Tiger Reserve and treatment plans have been prepared. The activities include creating firelines and fire breaks, control burning, deployment of fire fighting squads, fire fighting equipments, awareness programs and participatory fire management.	
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S.	Item of work	பொருள்	Para No.	Location / GPS coordinates		Previous Year Details				Current Year Proposal				Justification		
	Maintenance of fire watch tower	DD (W)	16.2.9	10.1.7.3			2 Nos		1.00	0.47			0.009 / MM	222MM	2.00	Maintenance of fire watch tower at Seethakkulam, Zero Point and undamedu in Azhutha range and ponnambalamedu in pampa range. Protection mazdoors are provided in these watch towers. This will help to detect the occurrence of fire at the earliest .Hence spreading of forest fire can be controlled effectively.
Staff Development	Upkeep and Maintenance of building	DD (E)	16.2.1.3	10.1.7.1	N-09027'40" 08'37.0" N-09 31'35.5" E-077 06' 54.2" E-077 13' 3" E: N: 77°10'40.00" 9°35'17.00" 09° 35' 25.0" N 9°32'36.004" N	E-0770 08'37.0" E-077 06' 54.2" E-077 13' 3" E: 77°10'40.00" 077° 11' 49.2" E 77°10'.042"E	5	1nos	12.50	3.90	9°35'56.57" N, 9°22'14.34" N, 9°25'24.53" N, 9°31'42.90" N,	77°10'5.03"E 77°18'22.75"E 77°17'55.69"E 77° 6'41.16"E	2/No	5 No	10.00	For the upkeep and maintenance of existing buildings under Thekkady, Periyar and Vallakkadavu ranges
	Capacity building and training.	DD (E)	16.8.1	10.1.9	9°28'44.73" N	77°14'35.66" E	2 Nos	1 Nos	0.50	0.43	9°28'44.73" N	77°14'35.66"E	0.25/nos	10 Nos	2.50	Conducting training programmes on Mstripes, Camera trapping, EDCs, species monitoring'HWC management for field staff to enhance capacity for better management
		DD (W)		8.5					0.00	0.00				10 Nos	2.50	Conducting training programmes on Mstripes, Cameratarpping, EDCs, species monitoring'HWC management for field staff to enhance capacity for better management
	Maintenance of APC	DD (W)	16.2.1	10.1.7.1			1 No						3.0/ Nos	2 Nos.	6.00	Maintenance of APC at Azhuthamunni and Azhuthakkadavu APC in Pampa range: This is a main anti poching campshed of the Tiger Reserve situated in Pampa range. During Sabarimala pilgrim season line departments are also using a portion of this building. Now this building requires inevitable maintenance , hence this item is provided.
<div>ராஜேन्द्र் காரவாட்/RAJENDRA G. GARAWAD उप वन महानिरीक्षक/Dy. Inspector General of Forests व्याघ्र परियोजना</div>																


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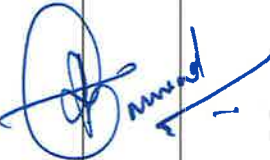
S.	Item of work	DD	Para No.	Location / GPS coordinates		Previous Year Details				Current Year Proposal				Justification		
	Mtce of Beat Office	DD (W)		10.1.7.1				5.00	1.57			LS	3 No.	9.00	Upkeep and maintenance of various station,section offices and staff /officer quarters under Periyar Tiger Reserve West Division.	
Mainstreaming wildlife concerns	Habitat improvement measures Vayal maintenance	DD (E)	16.10.5	7.2.2.4.1	9°19'35.34" N 9°27'38.87" N 9°26'57.79" N 9°34'18.17" N 9°23'50.56" N 9°28'35.49" N 9°28'48.4" N N- 09° 32' 30.1" N N- 09° 32' 69.5" N N- 09° 32' 079" N 9°32'34.88" N 9°32'52.65" N 9°32'45.70" N	77°17'55.90" E 77°17'47.90" E 77°18'20.62" E 77°16'21.44" E 77°15'35.08" E 77°16'48.33" E E077° 8'72.1" E E077° 06'49.91" E E077° 08' 59.9" E E077° 08' 25.1" E 77°11'19.81" E 77°11'7.18"E 77°11'5.31"E	100	78.8ha	14.00	11.88	9.567891N 9.564503N 9.572358N 9.566183N 9.566498N 9.566071N 9.576525N 9.579334N 9.535983N 9.536913N 9.538899N 9.473021N 9.477012N 9.509911N 9.504274N 9.508856N 9.391942N	77.240721E 77.225722E 77.2281E 77.1471E 77.138314E 77.273936E 77.162122E 77.163462E 77.209883E 77.123751E 77.116996E 77.143273E 77.146515E 77.132901E 77.123331E 77.160572E 77.207474E	0.14/ Ha	100 ha	14.00	Vayals are swamps with lush grass. This is a habitat preferred by various ungulates for feeding and wallowing. Woody species invading these vayals need to be uprooted and periodically de-silting operation also should be carried out here. This item is essential for maintaining the quality of the habitat of tiger prey base.
	Eradication of invasive species	DD (E)	16.3.1	7.2.1.2.1.	9°19'35.34" N 9°27'38.87" N 9°26'57.79" N 9°34'18.17" N 9°23'50.56" N 9°28'35.49" N 9°28'48.4" N 9°32'30.1" N 9°32'07.9" N 9°35'42" N	77°17'55.90" E 77°17'47.90" E 77°18'20.62" E 77°16'21.44" E 77°15'35.08" E 77°16'48.33" E 77°08'72.1" E 77°06'49.91" E 77°06'59.9" E 77°06'25.1" E 77°10'13" E	588mm	556mm	5.00	4.80	90 32' 30.1" N 90 32' 69.5"N 9°19'35.34" N 9°27'38.87" N 9°26'57.79" N 9°34'18.17" N 9°23'50.56" N 9°32'07.9" N 9°35'42" N 9°28'35.49" N 9°28'48.4" N	770 06' 49.91" E 770 08' 59.9" E 77°17'55.90"E 77°17'47.90"E 77°18'20.62"E 77°16'21.44"E 77°15'35.08"E 77°06'25.1" E 77°10'13" E 77°16'48.33"E 77°08'72.1" E	0.009/ MM	555 MM	5.00	Many species of weeds have reached the forest habitat. Some of them are invasives and others are exotic plants with less wildlife utility. They have very high adaptability to a variety of habitats. Unless they are kept under control, they have the potential to make a large extent of habitat less useful for wildlife.
Habitat Improvement																

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S.	Item of work	क्र.सं.	Para No.	Location / GPS coordinates		Previous Year Details				Current Year Proposal				Justification		
	Restoration of grasslands by deploying mazdoor	DD (E)	16.3.2	7.2.2.4	9°19'35.34" N, 9°27'38.87" N, 9°26'57.79" N, 9°34'18.17" N, 9°23'50.56" N, 9°28'35.49" N, 9°28'48.4" N 9°32'30.1" N 9°32'69.5" N	77°17'55.90" E 77°17'47.90" E 77°18'20.62" E 77°16'21.44" E 77°15'35.08" E 77°16'48.33" E 77°06'72.1" E	117 MM		1.00	9°23'50.56" N, 9°28'35.49" N, 9°28'48.4" N 9°32'30.1" N 9°32'69.5" N 9°32'079" N 9°35'42" N 9°19'35.34" N	77°15'35.08" E 77°16'48.33" E 77°06'49.91" E 77°08'59.9" E 77°08'25.1" E 77°10'13" E 77°17'55.90" E 77°17'47.90" E	0.009/ MM	555 MM	5.00	Many species of weeds have reached the forest habitat. Some of them are invasives and others are exotic plants with less wildlife utility. They have very high adaptability to a variety of habitats. Unless they are kept under control, they have the potential to make a large extent of habitat less useful for wildlife.	
	Water retention structures	DD (E)	16.3.3	7.2.2.4	N09°30.19" E-077°07'11" N09°31'42" E-077°07'20.4" N 9°27.20.8 E 77°21.36.7		6 Nos	2 Nos	1.00	0.38	N9.542583 N9.573451 N9.571551 N9.57312 N9.48973	E-77.219306 E77.228047 E77.225177 E77.248242 E77.272052	LS	5 Nos	1.00	Maintenance of water hole 5Nos at Vallakkadavu Thekkady and Periyar range to assure water availability round the year
		DD (W)					3 Nos	3 Nos	6.00	3.32	N 9.48521 E 77.144546 N 9.4754 E 77.096996 N 9.475972 E 77.100416 N 9.472996 E 77.104262 N 9.476049 E 77.123596 N 9.471506 E 77.095364 N 9.470524 E 77.092472 N 9.468909 E 77.092578 N 9.469516 E 77.099142 N 9.46609 E 77.09203 N 9.472289 E 77.142095 N 090 28' 35.1"E 0770 06' 57.2" N 090 29' 09.3"E 0770 05' 44.4" N 090 29' 04.6"E 0770 06' 09.8" N 090 29' 04.6"E 0770 06' 09.8 N 090 28' 27.1"E 0770 05' 47.2" N 090 28' 47.98"E 0770 06' 36.50" N 090 29' 38.53"E 0770 05' 18.09"N 090 29' 47.21"E 0770 05' 24.77" N 090 29' 41.2"E 0770 04' 23.8 N 090 29' 41.2"E 0770 04' 23.8" N 090 28' 53.2"E 0770 06' 06.9" N 090 28' 38.0"E 0770 06' 21.9" N 090 30' 51.2"E 0770 06' 52.3"		4 No.	4.00	This is a strategy of core management. The aim will be to conserve the flora and fauna and landscape in totality. Provided items are creation of waterholes, maintenance of water holes, desilting of check dams, gully plugging, etc. in Pachakkanam Forest Station in Pampa and Uppupara / Satram section in Azhutha Range.	



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S.	Item of work	കൃ.സം.നം	Para No.	Location / GPS coordinates		Previous Year Details				Current Year Proposal				Justification		
Total Recurring (Core) :													303.30			
	Recurring (Buffer)															
	Maintenance of wireless stations, Real time monitoring towers and network.	DD (E)	16.1.8	7.2.2.5.1	N 09°30' 28.6" N: 09°34' 18.2" N 09°35' 37.8"	E 077°16' 33.8" E: 77° 16' 22.2" E 077°18' 06.3"	580mm	725mm	5.00	6.20	N 09°30' 28.6" N: 09°34' 18.2" N 09°35' 37.8"	E 077°16' 33.8" E: 77° 16' 22.2" E 077°18' 06.3"	.009/MM	1110MM	10.00	Round the clock vigil is required in the wireless base camps to receive and transmit the crucial information. This item provides for support of wireless base station at Thekkady and Periyar ranges of PTR
	Monitoring of wild animals including installation of camera traps (Peppara, Neyyar Sanctuaries and ABP Range, Kottoor)	Tvm					LS	LS	0.50	0.31			LS	4	1.00	Monitoring of wild animals utilizing advanced equipments shall lead to scientific management and improved research.
	Deployment of local work force for patrolling, surveillance of water holes, manning barriers.	DD (E)	16.1.12	10.1.7.1	9°28'44.73" N N 09° 26' 53" N 9°.50768 N 9°.572573 N- 09° 31' 72.9" N- 09° 32' 079" N- 09° 32' 30.0"	77°14'35.66" E, E 0770 15'30" E 077°.276738 E 77°.275359 E-077° 06'90.3" E-077° 06'98.5" E-077° 07'059"	5294mm	5974mm	45.00	51.50	9°28'44.73" N N 09° 26' 53" N 9°.50768 N 9°.572573 N- 09° 31' 72.9" N- 09° 32' 079" N- 09° 32' 30.0"	77°14'35.66"E E 0770 15'30" E 077°.276738 E 77°.275359 E-077° 06'90.3" E-077° 06'98.5" E-077° 07'059"	.009/ MM	5000 MM	45.00	For engaging local forest dependent community for strengthening protection in Thekkady, Periyar and Vallakkadavu Ranges-Protection is the most important component of the conservation and accorded top priority in Tiger Reserve Management, includes specific protection strategies. Effective protection can be ensured by enaging local dependent community in protection activities. Their knowledge on the terrain and traditional knowledge on protection is an effective protection management system. DD-East 16mm*26days*12months 3MM*12days*6months
		DD (W)					1411 MM	1183 MM	12.00	13.67			.009/ MM	1333 MM	12.00	For engaging local forest dependent community for strengthening protection in pampa and azhutha ranges-Protection is the most important component of the conservation and accorded top priority in Tiger Reserve Management, includes specific protection strategies. Effective protection can be ensured by enaging local dependent community in protection activities. Their knowledge on the terrain and traditional knowledge on protection is an effective protection management system. DD-West 1385 MM
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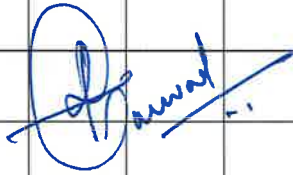
S.	Item of work	प्रकार	Para No.	Location / GPS coordinates		Previous Year Details				Current Year Proposal					Justification
	Operation Monsoon- Ensuring special site specific protection measures during monsoon considering the terrain and inaccessibility of Protected Areas.	DD (E)	16.1.17	10.1.4.1	9°28'44.73" N N 09° 26' 53" E N 9°.50768 E N 9°.572573 E N- 09° 31' 72.9" E N- 09° 32' 079" E N- 09° 32' 30.0" E 77°14'35.66" E E 0770 15'30" E 077°.276738 E E 77°.275359 E E-077° 06'90.3" E E-077° 06'98.5" E E-077° 07'059" E	1624mm	2077mm	13.80	17.81	N- 09° 31' 72.9" E N- 09° 32' 079" E N- 09° 32' 30.0" E 9°28'44.73" N N 09° 26' 53" E N 9°.50768 E N 9°.572573 E E-77°06'90.3" E E-77°06'98.5" E E-077° 7'059" E 77°14'35.66"E	0.009/ MM	1500 MM	13.50	For engaging Man Mazdoor for effective protection during monsoon season. The South West and North East monsoon season requires special attention on protection as poachers are found to be active in this difficult period.Hence camping in the woods throughout the monsoon season is most urgent and inevitable.For this purpose, protection mazdoors shall be engaged through out the Tiger Reserve to support staff in the protection activities.	
		DD (W)				729 MM	729 MM	6.20	6.20		0.009 MM	800MM	7.20		
	Office Maintenance and improving efficiency	DD (E)	16.2.2	13.5	9°25'33.8"N 9°25'51.00" N 76°56'49.8"E 77° 1'5.00"E	3nos	1nos	3.00	1.09	9°25'33.8"N 9°25'51.00" N 76°56'49.8"E 77° 1'5.00"E	1/ Nos	3 Nos.	3.00	To assist in adopting modern methods of information collection, compilation and dissemination, modernization of office at Thekkady, Periyar and Vallakkadavu by purchasing 3nos of printers and 3nos of office tables is proposed.	
	Maintenance of (staff quarters, family hostels, office improvement, house keeping buildings, museum).	DD (E)	16.2.14	10.1.7.1	N 09°23' 43" E N 09°31' 8.9" E N 09°35' 17.9" E E077° 21' 42" E E 077°18' 54.6" E 077°10'40.9" E	5nos	4nos	15.00	10.38	9°36'6.68"N, 9°28'55.75" N, 9°31'40.21" N, 77°10'27.47"E 77°16'39.75"E 77° 6'40.09"E	2/Nos	5 Nos	10.00	For the upkeep, improvement and maintenance of existing infrastructure/ accomodations especially after deployment of lady staff in field duties, this item has been proposed. (Locations At Kokkara area, Near Ambady junction, Near Entrance Chcek Post, Thannnikudy IB and Thannnikudy SHQ,R O quarters at Vallakkadavu)	
Strengthening	Maintenance of patrolling routes.	DD (E)	16.2.3	10.1.7.7	9°33'33.00" N 9°34'31.09" N 9°34'33.46" N 9°32'19.00" N 9°34'17.00" N 77°11'16.00" E 77°10'41.40" E 77°10'33.09" E 77°11'2.00"E 77°11'16.00" E	66km	49.46km	10.00	8.13	09°33'49.2" N-09°29'26" N- N- 09°23'12.5" N- N- 09033'07.7" N- N- 09°27'29.7" N- E- 77°08'36.7" E-077°13'04" E- E- 077°12'18.5" E-77°07'15.6" E-77°09'42.2" E	0.15/ Km	66 Km	10.00	These roads giving access to poaching and ganja cultivation prone areas are to be maintained immediately after monsoon. Proper maintenance of these routes are very essential for effective protection. Hence this item is proposed. Vista clearance is also required	


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S.	Item of work	प्र. सं. क्र.	Para No.	Location / GPS coordinates		Previous Year Details				Current Year Proposal				Justification
		DD (W)				48 KM	48KM	7.25	7.55	N 09 25' 02.04" E 077 03' 58.35" N 09 25' 06.09" E 077 03' 26.42" N 9.48521 E 77.144546 N 09 25' 39.69" E 077 01' 54.03" N 09 27' 40.04" E 077 07' 05.00" N 09 28' 35.80" E 077 06' 59.87" N 09 28' 35.80" E 077 06' 59.87" 9°26' 45"N 77° 00' 10"E 9° 25'59"N 77° 01'05" E 9°25' 25.4"N 76° 59' 1.3"E 9° 26'32.1"N 77° 0' 7.8" E N 09 25' 39.69" E 077 01' 54.03" N 9 26' 41.9" E 76 59' 58.7" N 09 25' 34.49" E 76 59' 1.98" N 09 2' 27.01" E 077 04' 48.01" 9°26'15.10"N 77° 455.40"E 9°26'22.90"N 77° 4'33.75"E 9°26'6.40"N 76°59'9.80"E 9°24'45.40"N 77° 1'43.40"E 9°24'58.22"N 77° 7'6.72"E 9°23'45.12"N 77° 7'14.25"E N 09° 29' 43.3"E 077° 07' 26.4"N 09° 29' 11.3"E 077° 05' 10.5" N 09° 28' 24.3"E 077°		45 Km	6.80	
	Procurement of compass, range finder, Global Positioning System (GPS), camera traps, binoculars	DD (W)	16.2.22	5.4.1		4 No	1 No	1.00	0.92		LS	4 Nos.	1.00	Protection staff and watchers on protection duties are to be provided with adequate field gears comprising of digital camera, GPS,Compass,metal dector, binoculars, search lights, vessals and medical kit. This is highly essential. Hence purchase of 4 nos of GPS is provided to stregthen the present existing system.
	Upkeep and Maintenance of border watch tower and wireless station	DD (E)	16.2.8	10.1.7.3		1nos		2.00	0.00	9°35'54.19" N, 77°13'13.14"E 77° 8'54.51"E 9°23'12.66" N,	6.0/ Nos	2 Nos	2.00	Maintenance of wireless station at Mangaladevi and Gavi FS
		DD (W)				3 Nos	3 Nos	3.00	2.63			1 Nos	6.00	Maintenance of wireless station at Kuttikkanam in Azhutha Range including wages of daily wage wireless operator :Kuttikkanam wireless station is the main base station in the West Division of the Tiger Reserve,from where information from the field is collected , analysed and reported to various destinations. Here periodical maintenance of the total system is necessary.
	Maintenance and POL charges of	DD (E)		10.1.7.9	9°28'44.73" N 77°14'35.66" E	20nos	20nos	10.85	10.85	9°28'44.73" N 77°14'35.66" E		20 Nos.	15.00	For maintenance and upkeep of vehicles for better mobility.

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S.	Item of work	क्र.सं.	Para No.	Location / GPS coordinates	Previous Year Details				Current Year Proposal					Justification
	Dept vehicles and boat	DD (W)	5.4		10 Nos	10 Nos	5.80	5.27				10 Nos.	7.00	
		FD Office			1 No.		3.55	3.59				2 Nos.	5.00	
	Maintenance of STPF, RRT & Animal Rescue units	DD (W)	5.4		212 MM	212MM	2.00	2.47			1.0/ No	1 Nos.	1.00	Many situations arise in the management of wildlife populations, where they need to be captured and restrained. For this a well equipped veterinary team shall be maintained. Hence this item is provided for strengthening the existing system.
	Mtce of Wireless tower	DD (W)							N 09o 34' 64"	70o 58' 47"	1.0/ No	2 Nos	2.00	
	Compensation to victims of wildlife attack	Konni							N09°13'50.92"	E076°51'07.54"	LS	LS	1.00	To provide ex-gratia payment to the affected people
	Expenses for organizing camps in remote forest areas	Konni							N09°13'50.92"	E076°51'07.54"	0.05	5	1.00	Improving protection
	Procurement of computers for assisting in monitoring of patrolling software such as M-StRIPeS	Konni							N09°13'50.92"	E076°51'07.54"	0.5	2 Nos.	1.00	Improving monitoring
	Maintenance of anti poaching camps sheds	Konni							N09°13'50.92"	E076°51'07.54"	LS	LS	0.48	Improving protection
	Clearing protection paths	Konni							N09°12'57.40" N09°08'59.40" N09°09'44.62"	E076°55'10.15" E076°58'05.30" E077°04'51.34"	0.15	3km	0.50	Improving protection
	Engaging tribal watchers and local people for protection, perambulation and Rapid Action Force	FD Office					3.60	2.43				2 Nos.	4.32	Improving protection
		Konni							N09°07'34.83"	E077°01'28.50"		1	0.50	
	Provision for ration allowance to field staff	Ranni	16.1.4	10.1.2							0.00087	10	0.10	Improving staff efficiency
	Procurement of arms and ammunition	Ranni	16.1.3	10.1.7.11							LS	LS	1.00	Improving protection
	Activities for reducing human tiger interface conflict	Ranni	16.17.2	12.7							LS	LS	1.00	Mitigating human wildlife conflict
	Fireline creation	Konni							N09°13'50.92"	E076°51'07.54"	0.35	1.2km	0.50	Habitat management
	Engaging fire watcher / gang	Ranni	16.1.4	10.1.2							0.009	250 Mdays	2.25	Fire prevention
		Konni							N09°13'50.92"	E076°51'07.54"	0.009	110 MM	0.99	


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S.	Item of work	डा.सं.सं.	Para No.	Location / GPS coordinates		Previous Year Details			Current Year Proposal					Justification
	Veterinary Care including immunization of domestic cattle around Tiger Reserve, disposal of carcasses, medicines, rescue operation for wild and captive elephants etc.	Konni							N09°13'50.92"	E076°51'07.54"	LS	LS	0.25	Improved wildlife health & disease management
Total Recurring (Buffer) :													172.39	
TOTAL													872.57	

(Rs in lakhs)

SI No	Items	Sanction	Central Assistance
1	Non Recurring (60%)	396.88	238.13
2	Recurring (50%)	475.69	237.85
	Total	872.57	475.97

Rs. in lakhs

Cost of APO including State's share	A	872.57
Center's share in APO	B	475.97
1st release @25% of Center share	C	118.99
Less: Unspent balance FY 2021-22	D	0.11
Adjusted first release	E=C-D	118.875



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