

No. 4-1(14)/2019-PT
Government of India
Ministry of Environment, Forest and Climate Change
Project Tiger Division

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Dated the 8th July, 2019

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 Periyar Tiger Reserve, Kerala during 2019-20 –reg.

Sir,

I am directed to convey the administrative approval of the competent authority to the continuance of the Scheme 'Project Tiger' in Periyar Tiger Reserve, Kerala at the cost of **Rs. 757.32 Lakhs (Rupees Seven hundred Fifty Seven lakhs Thirty Two thousand only)** as per details given in the table at Annexure. Of the total cost of the Scheme, **Rs. 489.65 Lakhs (Rupees Four hundred Eighty Nine lakhs Sixty Five thousand only)** being the recurring cost of the scheme will be shared on 50:50 basis by the **Government of India and Government of Kerala**. The remaining cost of the scheme will be treated as 60% Central Assistance by the Government of India and 40% assistance by the State 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. 331.24 lakhs (Rupees Three hundred Thirty One lakhs Twenty Four thousand only)** as the 1st installment of Central Share towards the Grants-in-aid to Government of Kerala during the current financial year 2019-20. 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.
- (iii) Terms and conditions of the service of the employees employed in the **Periyar Tiger Reserve** 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 **Periyar Tiger Reserve** 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 Kerala in respect of **Periyar Tiger Reserve** may furnish their performance-cum-achievement report on or before 31.3.2020.
- (x) **Periyar Tiger Reserve** 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 2019-20 and unspent balance, if any, will be refunded by **Government of Kerala** to the **Govt. of India**.
- (xiii) Government of Kerala in respect of **Periyar Tiger Reserve** 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 **Periyar Tiger Reserve** 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 (**Periyar Tiger Reserve**) and **Government of 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).
- (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) Compensation for loss due to wildlife is to supplement the State Government fund as per the rules of State Government.



- (xxv) GFR is followed by implementing agency alongwith the economic instructions issued by Government of India from time to time.
- (xxvi) Satellite photo with date and latitude and longitude nodes after completion of work depicting the work carried out before and after the work.
- (xxvii) Evidence of deposit of TDS/Service Tax in case of contract payment and CST in case of leviable goods are sent along with UC.
- (xxviii) In case of employment through contract, copy of PF & ESI contributions of employees shall be obtained wherever applicable.
- (xxix) 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.
- (xxx) 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.
- (xxxii) There should not be any overlapping of activities under the projects with the activities of ongoing schemes under CSS/CS/State Government Scheme.
- (xxxiii) The sanction order must mention measurable physical parameters and all measurable parameters are to be adhered to.
- (xxxiii) The fixed asset created out of this grant shall not be disposed off without concurrence of this Ministry.
- (xxxiv) A separate bank account shall be opened for the purpose and the account shall be open for audit by Central Government or C&AG.
- (xxxv) All guidelines under the project is to be followed scrupulously.
- (xxxvi) 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 each tiger reserve and uploaded on the website of the implementing agency as well as the Ministry for public access.
- (xxxvii) The measurable outcome under the project (quantified) in terms of number of tigers in tiger reserve, eco-tourism in tiger reserve, %age decrease in man-animal conflict etc., may also be submitted in the progress report.
- (xxxviii) All labour payments strictly by DBT.

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 23.6.1965.

5. The payment sanctioned above is provisional and is subject to the adjustment on the basis of the audited figures of expenditure. Other 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.

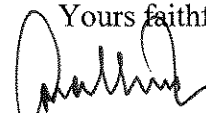


8. The expenditure incurred is adjustable to the Demand No. 27 (Ministry of Environment, Forest and Climate Change) under the following heads during the Financial Year 2019-20 :

Scheme	Budget Head	Amount (Rs. in lakhs)
Centrally Sponsored Scheme of Project Tiger	3601.06.101.02.01.31 (Gen)	281.56
Centrally Sponsored Scheme of Project Tiger	3601.06.789.02.01.31 (SCSP)	24.84
Centrally Sponsored Scheme of Project Tiger	3601.06.796.02.01.31 (TSP)	24.84
Total		331.24

9. This issues under the powers delegated to the Ministry and with the concurrence of Integrated Finance Division vide Dy. No. 123935/AS&FA (PG) dated 05.07.2019.

Yours faithfully,

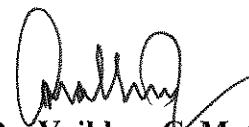


(Dr. Vaibhav C. Mathur)

Assistant Inspector General of Forests (PT)

Copy to:-

1. The Secretary (Forests), Govt. of Kerala. A copy of the detailed sanction letter issued by the State Government in respect of this scheme for 2019-20 may kindly be furnished to this Ministry immediately.
2. The Secretary (Finance), Govt. of Kerala.
3. The Principal Chief Conservator of Forests / Chief Wildlife Warden, Govt. of Kerala.
4. The Field Director, Periyar Tiger Reserve, Kerala.
5. The Accountant General, Kerala.
6. The Director of Audit, Scientific Department, AGCR Building, IP Estate, New Delhi.
7. IG/AIG, NTCA Regional Office, Bengaluru.
8. Forest Finance Division, MoEF&CC, New Delhi.
9. Plan Finance Division (PF-II), Ministry of Finance, New Delhi.
10. Guard file/Spare copies.



(Dr. Vaibhav C. Mathur)

Assistant Inspector General of Forests (PT)

**PERIYAR TIGER RESERVE, KERALA
ANNUAL PLAN OF OPERATION 2019-20**

(Rs. in lakhs)

Activity	Item	Division	Para No. CSS PT Guide-lines	Para No. TCP	Previous Year Details						Proposal for 2019-20			Justification		
					Location /GPS Coordinates		Physical		Financial		Location /GPS Coordinators	Unit rate	Physical Target		Financial Target	
					Target	Achievement	Target	Achievement								
Anti-Poaching Activities	Procurement of arms and ammunition	PTR	16.1.13	10.1.7.11		4Nos	4Nos	4.00	4.00	77°14'35.66"E, 9°28'44.73"N	250	400Ns	1.00	Arms are used for self defence of staff at patrolling. Proposed for purchasing 400 nos of ammunition (rounds for 12 bore pump action gun)		
	Procurement field gear, night vision device, field dress, boots, binoculars	PTR	16.1.21	10.1.3			0.00	0.00	77°14'35.66"E, 9°28'44.73"N	5000	100nos	5.00	Proposed for provide field dress to 100 frontline staffs			
	Providing support to tiger reserves for raising, arming and deploying Special Tiger Protection Force (STPF).	PTR	16.1.1	10.1.4.1	1600MM	1535MM	9.67	9.67	N: 09.34, 17.236° E: 077.47.15° N 090.26.53° E 077.15.30°	630	1819MM	11.46	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. Periyar West Division shares boundary with the largest territorial division of Kerala, Ranni & Kottayam territorial divisions. 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	Proposed to establish patrolling camp at Sundaramala section in Periyar Range & Sathram Section Office in Azhutha Range	12.00	2no	600	9°36'5.65"N 77°10'2.20"E 9°30'36.1"N 77°05'07.9"E	12.00	12.00	4Nos	4Nos	10.1.7.1	16.1.3	PTR	Establishing patrolling camps/chowkis/staff quarters etc.
The protection strategy identified and approved in the TCP warrants effective perambulation with mobile squads. PTR East.	The protection strategy identified and approved in the TCP warrants effective perambulation with mobile squads. PTR East.	37.80	6000MM	630	N090 35' 37.8" E 0770 18' 06.3" N 090 34' 27.5" E 0770 20' 15.3" N 090 31' 58" E 0770 22' 12" N 090 23' 43" 9°32'30.00"N 77°11'20.00"E N 09° 34' 05.9" E 77° 14' 27.3" 09°32'30"N 77°10' 21"E 9°27'27.5"N 76°56'41.4"E 9°25'33.8"N 76°56'49.8"E	34.57	34.65	5252MM	6166MM	10.1.7.9	16.1.6	PTR	Organizing vehicular patrolling by constituting squads (Tiger Protection Force) comprising of field staff, laborers 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.)
1MM*26days*5mont hs=130mm The protection strategy identified and approved in the TCP warrants effective perambulation with a mobile squads. PTR East.	1MM*26days*5mont hs=130mm The protection strategy identified and approved in the TCP warrants effective perambulation with a mobile squads. PTR East.												
1MM*26days*5mont hs=130mm	1MM*26days*5mont hs=130mm												

Project Allowance	PTR	Provision of Project Allowance to staff (all categories) of Project Tiger (providing project allowance to Ministerial staff is a new component) (non recurring).						661Nos	661Nos	39.23	39.16	662Nos	39.10	activities of other Tiger Reserve/PAs. Proposed to conduct 2 Nos of study Tour This Year
<p>FD Office: Field Director @2000*12months ACF & DD @1500*12Months AA, HA, Sr.clerk-5, Senior grade Typist-1, Confidential Assistant-1, Driver-@1000*12months- Office Attendants @700*3*12, PTS@400/ DD (East)Deputi Director- 1*1500Rs*12month =18000AFD- 1,AFVO-1, AA-1, J S-1, H A -1, R.F.O- 6,Sr.clerk-3 .Selection grade Typist-1, Senior grade Typist- 1,compailer-1 17*1000Rs*12mont h=204000Section Forest Officer-37, Deputy Ranger-4 41nos*Rs900*12mo nths=442800beat Forest Officer-147, Clerk/senior clerk-9, Confidential Assistant-1, Driver- 5, Boat Driver-6, Boat Lascar-1, Wildlife Assistant-1 170nos*Rs700*12m onths=1428000 Peon-8, Boat watcher-2, Boat cleaner-2, Tribal watcher-70, Forest watcher-26, Part time sweeper-3 111nos*rs400*12mo nths=532800 DD (West) Deputy</p>														

	Establishing of patrolling camps/chowkis/ buildings	PTR	16.1.4	10.1.2			10Nos	12nos	8.00	7.81	N 090 31' 57.1" E 0770 15' 37°N-09034'36.1" E-0770 0761.5777-15105 0E9.564300N9°2 746.1°N 77°03'14.4"E	3 lakhs/camp	4Nos	12.00	Establishing of patrolling camps/chowkis/ buildings at three locations/Mavady, Thondiyar and Anchurthy in PTR East & Undamedu Camp Shed for protective forest protection in PTR West Division
		Outside PTR	16.1.4	10.1.2							N 90022'30" E 78046'45"		1	2.00	Establishing of patrolling camps/chowkis/ in Ranni
Addressing man-animal conflict	Payment of compensation for cattle lifting, death of human beings and crop predation* due to wild animals.	PTR	16.4.1	17.2.1			0	0	0.00	0.00	N 090 31' 57.1" E 0770 15' 37" N-09034'36.1" E-0770 0761.5" 77.151050E 9.564300N	1000/cc	5Nos	0.50	Timely compensation will be paid for damages caused by wild animals.
	Deployment traps, cages to catch problematic animals.	PTR	16.4.1.3	17.5.4			3	3	1.50	1.50	9°34'20.9"N 76°59'36.6"E		5 Nos	0.50	To mitigate man-animal conflict.
	Redressing man animal conflict	PTR	16.10.1.1	17.5.4			1.5KM	1.5KM	3.00	3.00	9°27'27.5"N 76°56'41.4"E 9°25'33.8"N 76°56'49.8"E	2.2	1KM	2.20	Habitations frequently raided by wild animals will be provided by trenches, stone walls, power fences etc. Timely compensation will be paid for damages caused by wild animals. People will be made aware of the various aspects of human wildlife conflict issues through awareness programmes
	Procurement of camera trap	Outside PTR										2000	2Nos	0.40	Camera Traps are essential for wildlife management and monitoring. To be used in kornl division.
	Procurement of M-Stripes	Outside PTR										8827	17Nos	1.50	Effectiveness of perambulation and updation is made through M-Stripes. Procurement of

Anti-Poaching	Maintenance of vehicles (boats, motorbikes, mobility)	PTR	16.1.20	10.1.7.9	27Nos	27 Nos	18.00	18.00	N-0903134.4° E-0770 06.45.4° N-0903436.1° E-0770 0761.5°9'27.27.5 N 76°56'41.4"E 9°25'33.8"N 76°56'49.8"E	630/day	8112MM	51.11	Engaging Mazdoors for effective camping and protection of Tiger Reserve by deploying tribes and local dependant communities. 26mm*26days*12m onths
	Maintenance of wireless network.	PTR	16.1.8	10.1.7.8	2550MM	2515MM	16.00	16.00	N: 09 34' 18.2 E: 77 16 22.2 N-0903436.1° E-0770 07'61.5° N 77.25583 E 9.524383 N 090 35' 37.8° E 0770 18' 06.3° 9°27'27.5"N 76°56'41.4"E 9°25'33.8"N 76°56'49.8"E	100000	6nos	6.00	For repairs and maintenance of wireless tower, walkie talkies and base stations at 4 locations for maintenance of steady uninterrupted communication.
		PTR								60000/vehicle	35nos	21.00	Maintenance of 35 Nos of vehicles for effective protection

	PTR	16.1.9	10.1.4.1		0	0	0	0.00	0.00	15000/-	5Nos	0.75	As a precautionary measure to curb the possibility of wildlife crimes
Strengthening	DD (E)	16.2.1.2	10.1.2	10 Nos	10 Nos	10 Nos	19.00	19.00	19.00	40000	7nos	28.00	Improvement of patrolling camp, culverts, hanging bridges etc. for better protection. Thiannikkudy, Mlappara, Manakkavala, Karadikkavala, 40th plantation, Pothinkandam of PTR East Divn & Moozhickal Section Office of PTR West
	PTR						0.00	0.00	0.00	15000/-	60nos	9.00	conducting nature awareness camps at Thekkady and Valakkadaavu
	PTR	16.2.1	10.1.7.2	1 No	1 No	1No	7.00	7.00	7.00	800000	1 No	8.00	Forest Station Sarnidhanam in Periyar West
	PTR	16.2.9	10.1.7.2	2No	3No	3No	1.05	1.05	1.05	1 lakh	2No	2.00	Zero Point Watch tower Ponnambalam edu in PTR West
	PTR	16.2.10		3Nos	3Nos	3nos	2.80	3.00	2.80	75000	2nos	1.50	Maintenance of hanging bridges at Vazhukkappara and Shanklikayam in Periyar range
	PTR	16.2.21	8.3	2 No	2 No	2 No	2.04	2.00	2.04	125000	1nos	1.25	Purchase of computer and accessories, 1 printer, 1 scanner etc for DD office

Maintenance of Kuochia roads	PTR	16.23	10.175	125km	122.82km	20.00	19.98	N-0903349.2° E-07700836.7° N-0902926° E-07701304° N-0902312.5° E-07701218.5° N-0903307.7° E-07700715.6° N-0902729.7° E-07700942.2° N-0902623.7° E-07701208.8° N-0903244° E-07700848° N-0902928.15° E-07701104.40° 9°33'11.00"N 77°10'32.00"E N 09° 34' 05.9" E 77° 14' 27.3" N 09° 33' 39.3" E 77° 13' 18.29°27'27.5"N 76°56'41.4"E 9°25'33.8"N 76°56'49.8"E	168521. km	135km	22.75	For effective protection and perambulation.
Maintenance of trek paths	PTR	16.23	10.175	0.000	0.000	0.00	0.00	9.3423, 77.205° 9.3411° 77.1926° 9.3436° 77.201° 9.3425° 77.1932° 9.3458° 77.2036° 9.3350° 77.213° 9.3259° 77.2147° 9.3433° 77.2010° 9.3051° 77.1547° 9.2857° 77.1622° 9.299° 77.1547°	17045km	88km	15.00	For effective protection and perambulation

Maintenance of fire lines and firebreaks.	PTR	16.2.15	8.5B	150km	99.9km	19.45	19.77	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" N-090 29' 471" E -0770 08'534" N-090 37' 56" E -0770 08' 40" N-090 31' 28.7" E -0770 06' 55" N-090 32' 31" E -0770 08' 10" 9°35'36.00"N 77°10'25.00"E 9°36'11.00"N 77°10'29.00"E 727.5"N 76°56'41.4"E 9°25'33.8"N 76°56'49.8"E	20,000/km 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-09027'906" E-0770 08'764" N-090 31' 41" E -0770 04' 49" N-090 31' 56" E -0770 07' 19" N-090 30' 56" E -0770 07' 19"	120km	24.00	For fire protection activities
Maintenance of building	PTR	16.2.13	10.1.7.2	0.000	0	0.00	0.00	N 090 28' 55.6" E 0770 16' 32.9" N-09031'34.4" E-0770 06'45.4" N 090 35' 17.9" E 0770 10' 40.9"	2500000	2nos	5.00	For the upkeep and maintenance of existing buildings under Thekkady, Periyar and Valakkadavu ranges
Capacity building and training.	PTR	16.8.1	8.4	2 No	4nos	1.05	1.12		30000/cost	21nos	6.30	Conducting atleast 21 training programmes for field staff to enhance capacity for better management

Mainstreaming wildlife concerns	Habitat improvement measures Vayal maintenance	PTR	16.10.5	7.2.2.3.1	0	0	0.00	0.00	Vayals	7000ha	118Ha	8.26	For ensuring proper fodder and water for wild animals
									9°19'35.34"N, 77°17'55.90"E 9°2 7'38.87"N, 77°17'47.90"E 9°2 6'57.79"N, 77°18'20.62"E 9°3 4'18.17"N, 77°16'21.44"E 9°2 3'50.56"N, 77°15'35.08"E 9°2 8'35.49"N, 77°16'48.33"E N- 0'90.28'48.4" E -0'770 8'72.1"N- 0'90.32' 30.1" E -0'770 0'648.91"N- 0'90 32.69.5" E -0'770.08' 5'9.9"N- 0'90.32' 0'79" E -0'770.08' 25.1°9°32'34.88" N 77°11'19.81"E* 9°32'52.65"N 77°11'17.18"E 9°32'45.70"N 77°11'5.31"E				
Habitat Improvement	Weed eradication	PTR	16.3.1	7.2.1.2.1.	400MM	400MM	2.52	2.52	9°19'35.34"N, 77°17'55.90"E 9°27'38.87"N, 77°17'47.90"E 9°26'57.79"N, 77°18'20.62"E 9°34'18.17"N, 77°16'21.44"E 9°23'50.56"N, 77°15'35.08"E 9°28'35.49"N, 77°16'48.33"E N- 0'90.28' 48.4" E -0'770.08' 72.1" N- 0'90.32' 30.1" E -0'770.06' 49.91" N- 0'90 32' 69.5" E -0'770.08' 59.9" N- 0'90.32' 07.9" E -0'770.08' 25.1°N 09° 35' 42" E 77° 10' 13°	630/day	790MM	4.98	Weed eradication in Tiger habitat by deploying local tribes in PTR East

Removal of gregarious plant growth from grasslands	PTR	16.3.2	7.2.2.3	600MM	600MM	3.78	3.78	3.78	9°19'35.34"N, 77°17'55.90"E 9°27'38.87"N, 77°17'47.90"E 9°26'57.79"N, 77°18'20.62"E 9°34'18.17"N, 77°16'21.44"E 9°23'50.56"N, 77°15'35.08"E 9°28'35.49"N, 77°16'48.33"E N-090 28' 48.4" E -0770 08' 72.1" N-090 32' 30.1" E -0770 06' 49.91" N-090 32' 59.5" E -0770 08' 59.9" N-090 32' 07.9" E -0770 08' 25.1"	630/day	1108MM	6.98	For engaging MM for habitat improvement and Removal of gregarious plant growth from grasslands in PTR East Thekkady	
Water retention structures	DD (E)	16.3.3	7.2.2.3	6Nos	6nos	9.00	9.00	9.00	N-090'30.19" E-077007'11" N- 090 31' 42" E-0770 07'20.4" N 9,27,20.6 E 77,21,36.7	220000	4Nos	8.80	Maintenance of water holes 2nos at Vallakkadavu and 1no at Periyar range to assure water availability round the year in Periyar East and Construction of Check dam in PTR West	
Total Recurring (Core):								235.25					301.00	
Recurring (Buffer)														
Anti-Poaching														
Maintenance of existing (patrolling camp, culverts),	PTR	16.1.3	10.1.7.2	0	0	0.00	0.00	0.00	9°27'42.8"N 77°08'33.5 "EN 090 35' 37.8" E 0770 18' 06.3"	550000/structure	2Nos	11.00	Mice of patrolling camp and culverts in Pachakkannam FS	
	Outside PTR	16.1.3	10.1.7.2						N 80 55'608" E 770'15'593" N0908'974" E 07700417"N0909' 06.35" E 0770421.64"N09 08'59.4" E 0770543.35"N090 7'12.07" E 0770021.60"N090 8533 E 07658550"N0904	28000	11Nos	3.08	Maintenance of patrolling camps in Konni Division and Trivandrum Wildlife Division.	

Maintenance of arms and ammunition.	PTR	16.1.14	10.1.7.10	30 Nos	30 Nos	0.60	0.58	3.77 E 0770319.02°N837 18.6 E77812.8°N8371 4.8 E77813.7°N8371 1.5 E77814.8E77813. 7°	2414	29 nos	0.70	Arms are used for self defence of staff during patrolling. Proposed for purchasing 240 nos of ammunition(rounds for 12 bore pump action gun in PTR East and For maintenance of arms and ammunition intact for strengthening protection in PTR West
	Maintenance of wireless network.	PTR	16.1.8	10.1.7.8	0.000	0	0.00	0.00	N 090 30' 28.6" E 077 16' 33.8" N: 09 34 18.2 E: 77 16 22.2 N 090 35' 37.8" E 0770 18 06.3"	630/day	619MM	3.90
Deployment of local work force for patrolling, surveillance of water holes, manning barriers.	Outside PTR	16.1.8	10.1.7.8					N 90022°30' E 78046°45'	100000	1No	1.00	In Tiruvandur WILD
	PTR	16.1.12	10.1.2	12860MM	12364MM	79.76	79.66	77°14'35.66"E, 9°28'44.73"N N 090 26' 53" E 0770 15' 30" N 9.50768 E 077.276738 N 9.572673 E 77.2765359 N- 090 31' 72.9" E-0770 06'90.3" N- 090 32' 07.9" E-0770 06'98.5" N- 090 32' 30.0" E-0770 07'05.9"	630/day	11519MM	72.57	For engaging local dependent community for strengthening protection 26MM*26DAYS*12 MONTH in PTR East 11MM*26*12 in PTR West

Operation Monsoon- Ensuring special site specific protection measures during monsoon considering the terrain and accessibility of Protected Areas.	PTR	16.1.17	10.1.4	6120MM	6120MM	6120MM	38.56	38.56	38.56	77°14'35.66"E, 9°28'44.73"N N 090 31' 57.1" E 0770 15' 37" N: 09 34 18.2 E: 77 16 22.2 N 090 28' 55.6" E 0770 16' 32.9" 9°32'36.004"N 77°10'042"E 9°32'30.00"N 77°11'20.00"E N 09° 34' 05.9" E 77° 14' 27.3" 09°32'30"N 77°10'21"E 9°27'27.5"N 76°56'41.4"E 9°25'33.8"N 76°56'49.8"E	630/day	6620MM	41.70	For engaging MM for effective protection during monsoon season 10MM*26D*12M 11MM*26*12 in PTR West
Office Maintenance and improving	PTR	16.2.2	12.7	0	0	0	0.00	0.00	0.00	N-09031'34.4" E-0770 06'45.4" N 090 35' 17.9" E 0770 10' 40.9" 9°36'5.65"N 77°10'2.20"E	100000	3nos	3.00	Modernization of Range office at Thekkady, Periyar and Vallakkadavu by purchasing 3nos of printer-scanners and 5nos of office tables to each office
Procurement of compass, range finder, Global Positioning System (GPS), camera traps, binoculars	PTR	16.2.22	10.1.7.11	10Nos	10Nos	10Nos	1.28	1.30	1.28		10000	15nos	1.50	Purchase of 10 nos of binoculars and wildlife estimation equipments for field protection activities
Maintenance of (staff quarters, family hostels, office improvement, house keeping, buildings, museum).	PTR	16.2.14	10.1.7.2	0.000	0.000	0.000	0.00	0.00	0.00	N 090 23' 43" E 0770 21' 42" N 090 31' 8.9" E 0770 18' 54.6" N 090 35' 17.9" E 0770 10' 40.9"	200000	3nos	6.00	For the upkeep and maintenance of existing infrastructure at Thekkady Periyar and Vallakkadavu Ranges

	Maintenance of Kuccha roads	PTR	16.2.3	10.1.7.6	120KM	110.23KM	27.60	27.60	9°33'33.00"N 77°11'16.00"E 9°34'31.09"N 77°10'41.40"E 9°34'33.46"N 77°10'33.09"E 9°32'19.00"N 77°11'12.00"E 9°34'17.00"N 77°11'16.00"E	287/85	56km	16.12	Maintenance and upkeep of patrolling roads enabling better protection
	Maintenance of wireless tower.	PTR	16.2.8	10.1.7.2	5Nos	5nos	2.80	2.78	N 090 30 28.6" E 077 16 33.8" 9°24'50.7"N 77°07'17.5"E	225000	2 No	4.50	Maintenance of wireless towers at Kumarikulam in Periyar range for strengthening the existing communication network.
	Maintenance of vehicles (Gypsy, Jeep, Truck, Tractor, staff car etc.)	PTR	16.2.18	10.1.7	39nos	39nos	11.00	11.13		37500/vehicle	36nos	13.50	For maintenance of 36 Nos vehicles under Thekkady, Periyar and Valakkadavu ranges, Azhutha Pampa & FD office for better mobility.
Addressing man-animal conflict	Maintenance of tranquilizing equipments and rescue vehicles. (Items will be in a dropdown)	PTR			0	0	0.70	0.70		1000000	1 No	1.00	For mitigating man-animal conflict.
	Water retention structures	Outside PTR	16.3.3	7.2.2.3					N 90022°30' E 76046°45'N 8037'18.0" E 770.8'12.3" N 80 54.489' E 77014' 026 N 80 55808' E 77015593*	31250	8Nos	2.50	selected Ranini/Vm division areas to ensure water availability during summer.

(Rs. In Lakhs)

	A	
Cost of APO including State's share	A	757.32
Center's share in APO	B	405.42
1 st release @ 80% of Center's share	$C=0.8*B$	324.33
Less: Unspent balance PFY	D	3.09
Adjusted 1 st release	$E=C-D$	331.24
2 nd release @ 20% of Center's share	$F=0.2*B$	81.08

* 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 Tiger Reserves and the local people.

