

No. 4-1(38)/2018-PT
Government of India
Ministry of Environment, Forest and Climate Change
Project Tiger Division

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Dated the 20th September, 2018

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 Parambikulam Tiger Reserve, Kerala during 2018-19 -reg.**

Sir,

I am directed to convey the administrative approval of the competent authority to the continuance of the Scheme 'Project Tiger' in Parambikulam Tiger Reserve, Kerala at the cost of **Rs. 550.21 Lakhs (Rupees Five hundred Fifty lakhs Twenty One thousand only)** as per details given in the table at Annexure. Of the total cost of the Scheme, **Rs. 428.44 Lakhs (Rupees Four hundred Twenty Eight lakhs Forty Four 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. 229.824 lakhs (Rupees Two hundred Twenty Nine lakhs Eighty Two thousand Four hundred only)** as the 1st installment of Central Share towards the Grants-in-aid to Government of Kerala during the current financial year 2018-19. 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 **Parambikulam 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 **Parambikulam 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, 1972 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, 1972 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 **Parambikulam Tiger Reserve** may furnish their performance-cum-achievement report on or before 31.3.2019.
- (x) **Parambikulam 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 2018-19 and unspent balance, if any, will be refunded by **Government of Kerala** to the **Govt. of India**.
- (xiii) Government of Kerala in respect of **Parambikulam 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 **Parambikulam 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 (**Parambikulam 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) GFR is followed by implementing agency alongwith the economic instructions issued by Government of India from time to time.
- (xxiv) Satellite photo with date and latitude and longitude nodes after completion of work depicting the work carried out before and after the work.
- (xxv) Evidence of deposit of TDS/Service Tax in case of contract payment and CST in case of leviable goods are sent along with UC.
- (xxvi) In case of employment through contract, copy of PF & ESI contributions of employees shall be obtained wherever applicable.
- (xxvii) 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.
- (xxviii) 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.
- (xxix) There should not be any overlapping of activities under the projects with the activities of ongoing schemes under CSS/CS/State Government Scheme.
- (xxx) The sanction order must mention measurable physical parameters and all measurable parameters are to be adhered to.
- (xxxi) The fixed asset created out of this grant shall not be disposed off without concurrence of this Ministry.
- (xxxii) A separate bank account shall be opened for the purpose and the account shall be open for audit by Central Government or C&AG.
- (xxxiii) All guidelines under the project is to be followed scrupulously.
- (xxxiv) 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.
- (xxxv) 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.
- (xxxvi) **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.

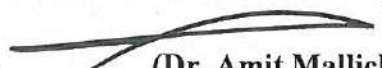
7. In accordance with the revised procedure, the Central Accounts Section, Reserve Bank of India, Nagpur, may kindly be advised to pass on credit to the books of the State Government of Kerala under intimation to this Department.

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 2018-19 :

Scheme	Budget Head	Amount (Rs. in lakhs)
Centrally Sponsored Scheme of Project Tiger	3601.06.101.02.01.31 (Gen)	212.584
Centrally Sponsored Scheme of Project Tiger	3601.06.789.02.01.31 (SCSP)	17.24
Total		229.824


9. This issues under the powers delegated to the Ministry and with the concurrence of Integrated Finance Division vide Dy. No. 112284/AS&FA (PG) dated 17.09.2018.

Yours faithfully,


(Dr. Amit Mallick)
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 2018-19 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, Parambikulam Tiger Reserve, Kerala.
5. The Accountant General, Kerala.
6. The Director of Audit, Scientific Department, AGCR Building, IP Estate, New Delhi.
7. 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. Amit Mallick)
Inspector General of Forests (PT)

PARAMBIKULAM TIGER RESERVE, KERALA
ANNUAL PLAN OF OPERATION 2018-19

(Rs. in lakhs)

Non-Recurring (Core + Buffer)

Activity	Item	Para No. CSS PT Guidelines	Para No. TCP	Amount released PFY	Current Financial Year			GPS	Justification
					No. of Items (Physical Target)	Sub-item Details	Unit Price (Rs.)		
Anti-Poaching	Buffer Area: Establishing wireless network.	16.1.7	7.2.2.1.11	0.0	1.00	1.000 Purchase of wireless sets/walkie talkies/batteries * 50000.000 = 50000.000	50000.000	0.50	For effective communication and monitoring of newly added core areas
Anti-Poaching	Buffer Area: Legal support for defending court cases.	16.1.18.1	8.4.1.1	0.25	1.00	1.000 Purchase of books related to management of PAs & Legal issues * 10000.000 = 10000.000	10000.000	0.10	To improve knowledge on legal aspects in implementing various court cases
Strengthening	Buffer Area: Construction of Kitchen	16.2.1.3	10.7	0.0	1.00	1.000 Construction of kitchen block attached to Anappady checkpoint * 300000.000 = 300000.000	300000.000	3.00	10.4539, 76.8283 To improve the habitable condition of staff staying in the check post at Anappady
Strengthening	Buffer Area: Creation of dams.	16.2.11	7.2.2.3.1.3	0.0	1.00	1.000 Construction of new checkdam at No.1 in Sunga Range * 750000.000 = 750000.000	750000.000	7.50	10.449, 76.822 To ensure the water availability during summer. It is proposed in Sungam Range of Parambikulam TR
Strengthening	Buffer Area: Procurement of hardware, software, manpower, training, gps, etc.	16.2.28	7.2.2.3.1.3	0.0	1.00	1.000 Procurement of weather monitoring equipment * 100000.000 = 100000.000	100000.000	1.00	For monitoring and research activities
Mainstreaming wildlife concerns	Buffer Area: Redressing man-animal conflict.	16.10.1	7.2.2.1.9	25.0	277.00	125.00 Vista Clearance * 8000.000 = 100000.000 100.000 Construction of retaining wall and drainage to behind line quarters at Parambikulam (spill over) * 7000.000 = 70000.000 1.000 Stabilization of existing Elephant Proof Trench (EPT) at Kuriyarkully (Spill over) * 65000.000 = 65000.000 1.000 Construction of EPT at Kavala (Spill over) * 480000.000 = 480000.000 25.000 Retaining wall to existing EPT at Meenchirali - Spill over * 8000.000 = 200000.000 25.000 Vista clearance - Adjoining Divisions * 8000.000 = 200000.000	8000.000 7000.000 65000.000 480000.000 8000.000 8000.000	26.45	10.452, 76.829, 10.444, 76.818, 10.444, 76.770, 10.410, 76.716, 10.385, 76.333, 10.337, 76.719 To prevent accidental fall of wild animals in to the road & control the man animal conflict including adjoining Divisions (125.0 Km @ Rs. 8000/Km For the construction of retaining wall and drainage in the balance areas behind line quarters at Parambikulam - spill over work - 100 meter @ 7000/meter This work was undertaken in the last financial year, but not completed. Hence it is proposed to do the balance work this year This is to construct EPT around the proposed site for newly constructed camp shed at Kavala in the newly added Core area from Chalakudy To construct retaining wall in the existing EPT at Meenchalali in the newly added core area from Vazhachal Division. This work was started last year, but not completed. 25 meter @ Rs. 8000/meter To reduce accidental conflict between human - wildlife in the roads. It is proposed to done in the adjoining Division - Nemmara, Vazhachal and Chalakudy Divisions
Staff welfare	Buffer Area: Supply of mosquito net/ field kit	16.16.5	7.2.2.1.15	3.0	1.00	1.000 Uniform to the Guides, Boatman and Naturalist * 100000.000 = 100000.000	100000.000	1.00	To provide stitched uniform to the Guides & Naturalists working under various activities under Parambikulam Tiger Reserve
Anti-Poaching	Core Area: Establishing patrolling	16.1.3	7.2.2.1.2	0.0	1.00	1.000 Construction of iron fabricated camp shed at Padukutty *	500000.000	5.00	10.4359, 76.5885 To strengthen protection and prevent illegal activities, since there is lack of camp sheds in nearby areas

	camps/chowkis/s taff quarters etc.					500000.000 = 500000.000				
Anti-Poaching	Core Area: 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.)	16.1.6	7.2.1.1	0.5	1.00	1.000 Conducting road patrolling * 50000.000 = 50000.000	50000.000	0.50		For effective monitoring and fast reporting with respect to road kill, fire or any other illegal activities.
Anti-Poaching	Core Area: Procurement field gear, night vision device, field dress, boots, binoculars	16.1.21	7.2.2.1.2	2.0	1.00	1.000 Purchase of camping gears including Sleeping Bags, Torches, Search lights, Tents, Bags, Rain coats, binocular, digital cameras etc * 200000.000 = 200000.000	200000.000	2.00		For encouraging field staffs and watchers for effective perambulation and camping, purchase of field gear such as sleeping bag, torches, search light, rain coat etc. Bag (Backpack) – 120 Nos. @ Rs. 1200= Rs. 144000.00 Sleeping Bag – 50 Nos. @ Rs. 1120= Rs. 56000.00
Strengthening	Core Area: Construction of (patrolling camp, culverts).	16.2.1.1	7.2.2.1.6	5.0	6.00	1.000 Construction of Chappath across Thelikkal river in Orukomban Range * 700000.000 = 700000.000 5.000 Construction of causeways, Chappath and Culverts * 100000.000 = 500000.000	700000.000 100000.000	12.00	10.45097, 76.74103 10.4003, 76.60951 10.393891, 76.75812 10.44283, 76.80608 10.52174, 76.83681 10.50569, 76.80544	For effective patrolling and protection of core areas. This is also one of the road connectivity between Sungam and Orukomban Range. For effective patrolling in the interior areas and accessibility to camp sheds in the monsoon period.
Strengthening	Core Area: Construction of Kitchen	16.2.1.3	7.2.2.1.2	0.0	2.00	1.000 Construction of Kitchen attached to camp shed at Karimala * 300000.000 = 300000.000 1.000 Construction of Kitchen and toilet block at Malikakootali * 300000.000 = 300000.000	300000.000 300000.000	6.00	10.3771, 76.7657 10.4010, 76.7233	For camping in interior areas for effective protection, this camp shed is not having a permanent kitchen, hence it is proposed. For camping in interior areas for effective protection. At present there is no permanent kitchen attached to this camp shed. Hence it is very much essential.
Strengthening	Core Area: Creation of fire watch tower, etc.	16.2.15	7.2.2.2.12	0.0	1.00	1.000 Construction of watch tower at Pothupara in the newly added core area * 800000.000 = 800000.000	800000.000	8.00	10.385130, 76.587590	Due to lack of campsheds in nearby areas of newly added core area of Chalakudy Division to strengthen protection and illegal activities
Strengthening	Core Area: Creation of road network.	16.2.5	7.2.2.1.9	0.0	2.00	1.000 Construction of new trekpath from Padukutty to Kavala * 200000.000 = 200000.000 1.000 Construction of new trekpath from Thenmudipara to Vanchicurve in Orukomban Range * 250000.000 = 250000.000	200000.000 250000.000	4.50	Annexure- II	For better connectivity in the newly added core area, at present there is no better pathway. Length 12 Km @ 17000/Km For better connectivity in the newly added core area added from Chalakudy Division, there is no better connectivity. Length 15 Km @ Rs. 17000/Km

Strengthening	Core Area: Establishing Monitoring system for Tigers intensive protection and Ecological Status (M-Stripes) monitoring.	16.2.27	7.2.1.1	0.0	2.00	1.000 Purchase of equipments and software for implementation of smart patrolling (Mobile hand set and Sunnto compass) * 400000.000 = 400000.000 1.000 Purchase of equipments and software for implementation of smart patrolling * 200000.000 = 200000.000	400000.000 200000.000	6.00	Sunnto Compass – 15 Nos. @ Rs. 6500/E Mobile Handset – 50 Nos. @ Rs. 8827/E External Harddisk – 10 Nos. @ Rs. 6500/E For implementing M STRIPES, purchase of mobile hand set, software and other equipment for conducting the survey including adjoining Divisions																																							
Strengthening	Core Area: Procurement of satellite imageries, printing for management planning/ Tiger Conservation Plan	16.2.24	8.3	2.0	1.00	1.000 Renewal of Tiger Conservation Plan and Engaging Assistant for data compilation in Field Directors office * 100000.000 = 100000.000	100000.000	1.00	Preparation of TCP for adjoining areas																																							
Research and field equipment	Core Area: Day to day monitoring of wild animals	16.7.1	8.3 & 9.2	1.0	1.00	1.000 Purchase of field and research equipment related to Tiger monitoring & maintenance of PIPs * 200000.000 = 200000.000	200000.000	2.00	For Purchase of field and research equipment such as batteries for camera trap, compass, etc for Tiger monitoring, monitoring of wildlife and maintenance of PIPs for monitoring of wild animals																																							
Staff Development	Core Area: Dissemination workshops.	16.8.6	8.4	0.5	1.00	1.000 Conducting workshops/seminars * 50000.000 = 50000.000	50000.000	0.50	To conduct workshops and seminars for the staffs to create awareness and to understand latest trends in management in Core and Buffer area,																																							
Staff Development	Core Area: Study tours for appraisal of good practices in other reserves.	16.8.5	8.4	1.0	1.00	1.000 Conducting study tours to other Protected Areas for field staffs, watchers and guides, including FD office Staffs * 200000.000 = 200000.000	200000.000	2.00	Exposure visit to the staff and watchers to other PAs to learn best practices and management activities done in other Protected areas																																							
Project Allowance	Core Area: Provision of Project Allowance to staff (all categories) of Project Tiger (providing project allowance to Ministerial staff is a new component) (non recurring). Separate for all categories. See from guide lines	16.15	7.2.2.1.18	15.0	1.00	1.000 Provision for the Project Allowance to staff of Parambukulam Tiger Reserve and Field Directors Office including arrear payment * 1752000.000 = 1752000.000	1752000.000 0	17.52	Payment of Project Allowance to staff of Parambukulam Tiger Reserve, adjoining Divisions (Nemmara, Chalakudy and Vazhachal) and Field Directors Office including arrear payment for 12 months as per details below: - <table border="1"> <thead> <tr> <th>Post</th> <th>No. of post</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>Field Director</td> <td>1</td> <td>2000</td> </tr> <tr> <td>Deputy Director</td> <td>1</td> <td>1500</td> </tr> <tr> <td>DFOs (Adjoining Divisions)</td> <td>3</td> <td>1500</td> </tr> <tr> <td>Range Forest Officer</td> <td>4</td> <td>1000</td> </tr> <tr> <td>Section Forest Officer</td> <td>39</td> <td>900</td> </tr> <tr> <td>Beat Forest Officer</td> <td>101</td> <td>700</td> </tr> <tr> <td>Forest Watcher</td> <td>29</td> <td>400</td> </tr> <tr> <td>Wildlife Assistant</td> <td>1</td> <td>900</td> </tr> <tr> <td>Class II</td> <td>3</td> <td>1000</td> </tr> <tr> <td>Class III</td> <td>12</td> <td>700</td> </tr> <tr> <td>Class IV</td> <td>9</td> <td>400</td> </tr> <tr> <td>Driver</td> <td>1</td> <td>700</td> </tr> </tbody> </table>	Post	No. of post	Amount	Field Director	1	2000	Deputy Director	1	1500	DFOs (Adjoining Divisions)	3	1500	Range Forest Officer	4	1000	Section Forest Officer	39	900	Beat Forest Officer	101	700	Forest Watcher	29	400	Wildlife Assistant	1	900	Class II	3	1000	Class III	12	700	Class IV	9	400	Driver	1	700
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Staff welfare	Core Area: Provision for ration allowance to field staff	16.16.1	7.2.2.1.18	8.25	1.00	1.000 Providing ration to frontline staffs staying in interior camp sheds (for 12 months) @860/person *90 = 920000.000	920000.000	9.20	10.481, 76.794 To improve the morale of the staff staying in interior camps sheds (90 numbers @ Rs. 860/month) <table border="1"> <tbody> <tr> <td>Section Forest Officer</td> <td>21 Nos.</td> </tr> <tr> <td>Beat Forest Officer</td> <td>43 Nos.</td> </tr> <tr> <td>RF Watcher</td> <td>6 Nos.</td> </tr> <tr> <td>Forest Watcher</td> <td>17 Nos.</td> </tr> <tr> <td>Cavady</td> <td>1 No.</td> </tr> <tr> <td>Driver</td> <td>1 No.</td> </tr> <tr> <td>Boat Driver</td> <td>1 No.</td> </tr> </tbody> </table>	Section Forest Officer	21 Nos.	Beat Forest Officer	43 Nos.	RF Watcher	6 Nos.	Forest Watcher	17 Nos.	Cavady	1 No.	Driver	1 No.	Boat Driver	1 No.																									
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Staff welfare	Core Area:	16.16.4	7.2.2.1.5	1.52	1.00	1.000 Equipping the	100000.000	1.00	Equipping the staffs and watchers with																																							

	Supply of field kit					staffs and watchers with facilities like torches, sleeping bags, tents, Rucksacks, etc. * 100000.000 = 100000.000				facilities like torches, sleeping bags, tents, Rucksacks, etc for conducting phase IV tiger monitoring and field patrolling
Staff welfare	Core Area: Supply of kerosene	16.16.2	7.2.2.1.6	1.0	1.00	1.000 Supply of kerosene, medical kit, torch and conducting medical camp to the field staffs and watchers * 100000.000 = 100000.000	100000.000	1.00		To support staff working in the interior camp sheds, Parambikulam Tiger Reserve have 25 camp sheds, all are situated in the interior forests and most of the camp shed have no electricity
Fostering Tourism	Core Area: Activities for reducing resource dependency	16.17.1	14.2.1.3.1	2.0	1.00	1.000 Improvement Ecotourism programmes including providing solar lighting, solar heater and other eco friendly measures to various ecotourism packages * 200000.000 = 200000.000	200000.000	2.00		To reduce the negative impact of ecotourism activities
Fostering Tourism	Core Area: Wildlife Conservation Awareness	16.17.3	7.2.2.2.7	2.0	2.00	1.000 Conducting Fire Awareness Campaign, printing of brochures, posters, T-shirts and wall writing etc. * 100000.000 = 100000.000 1.000 Celebration of Wildlife week, Global Tiger Day and other important days * 100000.000 = 100000.000	100000.000 100000.000	2.00		For conducting fire awareness camps among the people in Parambikulam and adjoining areas, distributing t shirts, caps displaying stop forest fires. For the celebration of important days related to forests, wildlife, environment etc to create mass awareness among the students and public in Parambikulam Tiger Reserve and adjoining Divisions
	Total (Non-Recurring):							121.77		

Recurring (Core + Buffer)

(Rs. in lakhs)

Activity	Item	Para No. CSS PT Guidelines	Para No. TCP	Amount released PFY	Current Financial Year			GPS	Justification																														
					No. of Items (Physical Target)	Sub-item Details	Unit Price (Rs.)																																
Anti-Poaching	Buffer Area: Maintenance of wireless network.	16.1.8	10.2	0.0	1.00	1.000 Improving Communication facilities * 50000.000 = 50000.000	50000.000	0.50	To improve communication network in the adjoining Division under Chatakudy Division																														
Anti-Poaching	Buffer Area: Maintenance of arms and ammunition.	16.1.14	7.2.2.1.12	1.0	1.00	1.000 Repair of arms and purchase of ammunition * 10000.000 = 10000.000	10000.000	0.10	10.481, 76.794 For effective protection of TR from poachers, monitoring and preventing all illegal activities, repair of arms (revolver, 303 rifle etc)																														
Anti-Poaching	Buffer Area: Operation Monsoon-Ensuring special site specific protection measures during monsoon considering the terrain and accessibility of Protected Areas.	16.1.10	7.2.2.1.2	13.0	1.00	1.000 Engaging watchers for monsoon patrolling * 2457*630= 1547910.000	1547910.000	15.47	To strengthen anti-poaching activities during monsoon period, engaging watchers in all the four Ranges of Parambikulam Tiger Reserve including buffer areas (2457 man days @ 630/m day). <table border="1"> <thead> <tr> <th>Range</th> <th>No. of Watchers</th> <th>Mont</th> <th>Days</th> <th>Total mm</th> </tr> </thead> <tbody> <tr> <td>Sungem</td> <td>12</td> <td>3</td> <td>21</td> <td>756</td> </tr> <tr> <td>Parambikulam</td> <td>6</td> <td>3</td> <td>21</td> <td>378</td> </tr> <tr> <td>Karimela</td> <td>12</td> <td>3</td> <td>21</td> <td>756</td> </tr> <tr> <td>Orukomben</td> <td>9</td> <td>3</td> <td>21</td> <td>567</td> </tr> <tr> <td>Total</td> <td></td> <td></td> <td></td> <td>2457</td> </tr> </tbody> </table>	Range	No. of Watchers	Mont	Days	Total mm	Sungem	12	3	21	756	Parambikulam	6	3	21	378	Karimela	12	3	21	756	Orukomben	9	3	21	567	Total				2457
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Strengthening	Buffer Area: Maintenance of (staff quarters, family hostels, office improvement, house keeping buildings, museum).	16.2.1.4	7.2.2.1.1	12.0	13.00	1.000 Maintenance & Improvement of Inspection Bungalows, Dormitory, Tree top huts including wages to the attenders * 300000.000 = 300000.000 1.000 Providing 7 KVA generator for Thunakadavu Inspection Bungalow * 100000.000 = 100000.000 1.000 Payment of building tax, telephone,	300000.000 100000.000 270000.000 100000.000	16.70	10.4449, 76.8133, 10.4452, 76.8130, 10.4367, 76.7799, 10.4374, 76.7804, 10.4337, 76.7853, 10.3961, 76.7747, 10.3930, 76.7767, 10.3924, 76.7764, 10.3926, 76.7750 For maintenance of official accommodation & inspection bungalow and dormitories (5 IBs, 2 Dormitories, 2 treetop huts) To ensure power supply to the inspection bungalow at Thunakadavu To maintaining the functions of DD & FD office and payment of TA bill to the staffs To improve the habitable condition of staff quarters, toilet facility & water supply arrangement.																														

						mobile, electricity, water charges and TA bills including Field Director office * 270000.000 = 270000.000			10.4360, 76.7809, 10.4460, 76.8131, 10.4099, 76.7191																																
						10.000 Maintenance and improvement of Staff Quarters, office buildings including Field Director office * 100000.000 = 100000.000																																			
Strengthening	Buffer Area: Maintenance of Computers Accessories.	16.2.21.1	14.4.3	3.0	1.00	1.000 Annual maintenance of computers and peripherals, Photocopiers, Fax machines, LCD Projectors, consumables, stationeries and other office expenses for Deputy Director & Field Director offices * 200000.000 = 200000.000	200000.000	2.00		For maintenance of computers and peripherals, Photocopiers, Fax machines, LCD Projectors, consumables, stationeries and other office expenses including Field Director offices																															
Strengthening	Buffer Area: Maintenance of Forest Guard Quarters.	16.2.1.3	7.2.2.1.1	0.0	1.00	1.000 Renovation of line quarters at Thunakadavu * 400000.000 = 400000.000	400000.000	4.00	10.4365, 76.7808	For welfare and convenient stay of protection staffs.																															
Strengthening	Buffer Area: Maintenance of kuccha roads	16.2.3	7.2.2.1.9	6.0	30.00	30.000 Maintenance of Trekpaths * 16000.000 = 480000.000	16000.000	4.80	Annexure-II	To enable anti-poaching watchers to reach all sensitive points in time. Physical target 30 Km @ Rs. 16000/Km																															
Strengthening	Buffer Area: Maintenance of road network.	16.2.4	7.2.2.1.9	5.0	25.00	25.000 Maintenance of patrolling roads/routes * 16000.000 = 400000.000	16000.000	4.00	Annexure-I	To improve the communication facilities for speedy access and effective protection. Physical target - 25 Km @ Rs. 16000/Km																															
Strengthening	Buffer Area: Procurement of compass, range finder, Global Positioning System (GPS), camera traps.	16.2.22	7.2.2.1.5 & 11.2	7.0	1.00	1.000 Purchase of camera traps & Range Finder * 750000.000 = 750000.000	750000.000	7.50		For conducting tiger monitoring and other census activities - Camera trap (10 Nos. & Range Finder 20 Nos.), Purchase of Range Finder was the spill over work.																															
Tiger Safari	Buffer Area: Maintenance of Tiger Safari, interpretation and awareness centers under the existing component of co-occurrence agenda in buffer and fringe areas.	16.2.22	14.2.1.3.3	6.0	2.00	1.000 Procuring education material, signages, display boards and Publication of folders and posters, brochures, Newsletter etc. * 150000.000 = 150000.000 1.000 Renovation of Tiger Hall Community centre-Spill over * 1200000.000 = 1200000.000	150000.000 1200000.000	13.50		For supply of publicity materials for Conservation awareness among students and public For conducting nature camps and for accommodation of participants																															
Anti-Poaching	Core Area: Deployment of anti-poaching squads.	16.1.2	7.2.2.1.2	107.5	1.00	1.000 Engaging anti-poaching watchers * 13500000.000 = 13500000.000	13500000.000	135.00	10.4359, 76.5885, 10.3900, 76.6205, 10.4503, 76.7408, 10.4707, 76.7175, 10.4667, 76.7173, 10.4075, 76.7225, 10.4011, 76.7233, 10.3766, 76.6905, 10.3830, 76.6656, 10.3695, 76.8136, 10.4206, 76.8063, 10.4037, 76.8063, 10.4078, 76.7240, 10.4813, 76.7950, 10.4813, 76.7950, 10.4342, 76.7820, 10.4712, 76.7717, 10.4590, 76.7572, 10.4534, 76.7443, 10.5023,	For effective protection of TR from poachers, monitoring and preventing all illegal activities including adjoining Divisions (Nemmara, Chalakudy and Vazhachal) for approx. 22000 man days @ Rs. 630/day.																															
							<table border="1"> <thead> <tr> <th>Range</th> <th>No. of Watchers</th> <th>Months</th> <th>Days</th> <th>Total man</th> </tr> </thead> <tbody> <tr> <td>Sungam</td> <td>33</td> <td>12</td> <td>22</td> <td>8712</td> </tr> <tr> <td>Parambilkulam</td> <td>14</td> <td>12</td> <td>22</td> <td>3696</td> </tr> <tr> <td>Karmania</td> <td>22</td> <td>12</td> <td>22</td> <td>5808</td> </tr> <tr> <td>Orukomban</td> <td>18</td> <td>12</td> <td>22</td> <td>4752</td> </tr> <tr> <td>Total</td> <td></td> <td></td> <td></td> <td>22968</td> </tr> </tbody> </table>					Range	No. of Watchers	Months	Days	Total man	Sungam	33	12	22	8712	Parambilkulam	14	12	22	3696	Karmania	22	12	22	5808	Orukomban	18	12	22	4752	Total				22968
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Anti-Poaching	Core Area: Deployment of camp labourers for patrolling.	16.1.5	7.2.2.2.12	22.0	1.00	1.000 Engaging Fire Protection Watchers * 3000000.000 = 3000000.000	3000000.000	30.00	10.481, 76.794	To prevent habitats from destruction of fire, engaging fire protection watchers 4800 man days @ Rs. 630/m days. <table border="1"> <thead> <tr> <th>Range</th> <th>No. of Watchers</th> <th>Months</th> <th>Days</th> <th>Total mm</th> </tr> </thead> <tbody> <tr> <td>Sungam</td> <td>20</td> <td>3</td> <td>21</td> <td>1280</td> </tr> <tr> <td>Parambikulam</td> <td>10</td> <td>3</td> <td>21</td> <td>630</td> </tr> <tr> <td>Karimela</td> <td>20</td> <td>3</td> <td>21</td> <td>1280</td> </tr> <tr> <td>Orukomban</td> <td>15</td> <td>3</td> <td>21</td> <td>945</td> </tr> <tr> <td>Adjoining Division</td> <td>12</td> <td>3</td> <td>21</td> <td>756</td> </tr> <tr> <td>Total</td> <td></td> <td></td> <td></td> <td>4651</td> </tr> </tbody> </table>	Range	No. of Watchers	Months	Days	Total mm	Sungam	20	3	21	1280	Parambikulam	10	3	21	630	Karimela	20	3	21	1280	Orukomban	15	3	21	945	Adjoining Division	12	3	21	756	Total				4651
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Anti-Poaching	Core Area: Maintenance of vehicles (boats, motorbikes, mobility)	16.1.20	7.2.2.1.10 & 7.2	24.0	1.00	1.000 Fuel and Repair & maintenance of Vehicles of Range Officers, Deputy Director and Field Director including Wages to the Drivers & fuel & mtce of department boat * 3000000.000 = 3000000.000	3000000.000	30.00		Very essential for performing protection, monitoring and co-ordination of all the activities of Tiger Reserve (Innova-1, Jeep-5, Invader-1, Bolero camper-2 and boat - 3)																																			
Anti-Poaching	Core Area: Maintenance of existing patrolling camps/chowkis.	16.1.4	7.2.2.1.1	0.0	18.00	1.000 Purchase of Kitchen utensils to staff mess at Parambikulam * 50000.000 = 50000.000 16.000 Maintenance of antipoaching camp sheds * 50000.000 = 800000.000 1.000 Drinking water facility to Orukomban camp shed in Orukomban Range * 100000.000 = 100000.000	50000.000 500000.000 100000.000	9.50		To improve habitable condition to the staff in the remote area Maintenance of camp shed and to provide basic facilities like habitable condition, water supply, toilet facility to staffs For camping in interior areas for effective protection. Orukomban area is very remote and very sensitive area																																			
Anti-Poaching	Core Area: Maintenance of wireless network.	16.1.8	7.2.2.1.11	2.0	1.00	1.000 Maintenance and improvement of Wireless Sets, Walkie Talkies including wages to the Wireless attenders * 750000.000 = 750000.000	750000.000	7.50	10.4359, 76.7808 10.4465, 76.8126 10.4234, 76.8104 10.3960, 76.7747 10.4463, 76.7658 10.5226, 76.8378 10.5209, 76.8051 10.5116, 76.8334 10.4462, 76.7083 10.4476, 76.7072 10.4010, 76.7233 10.3899, 76.6204 10.4503, 76.7408 10.4114, 76.7186 10.3895, 76.8136	To improve the effective communication within Tiger Reserve areas, this is proposed to maintain the existing wireless sets and engaging wireless attenders in various locations																																			
Anti-Poaching	Core Area: Organizing surprise raids jointly with the local police (in railway stations, local trains, bus-blops, buses, catchers and cafeteria.)	16.1.9	7.2.2.1.7	1.0	1.00	1.000 Conducting Inter Division/Inter State Joint Camps and patrolling * 75000.000 = 75000.000	75000.000	0.75		For ensuring protection conducting inter division and inter-state joint patrolling with adjoining division staffs (Nemmara, Chalakudy, Vazhachal)																																			
Anti-Poaching	Core Area: Providing support to tiger reserves for raising, arming and deploying Special Tiger Protection Force (STPF).	16.1.1	7.2.2.1.2	20.5	3.00	1.000 Engaging special protection mazdoor to newly added core area at Kavala * 750000.000 = 750000.000	750000.000 202500.000 2100000.000	30.52		For effective protection and perambulation due to lack of sufficient staff strength in newly added area from Chalakudy Division - 1200 man days @ Rs. 630/man day To support antipoaching watchers by providing uniform - 135																																			

						1,000 Uniform to the protection mazdoors (Social Tiger Protection Force) * 202500.000 = 202500.000				members @ 1500= Rs. 202500.00
						1,000 Engaging field protection watchers for Tiger Monitoring * 2100000.000 = 2100000.000				For effective monitoring, tracking & reporting of Tiger sightings, mortality in Parambikulam Tiger Reerve: 3600 man mazdoor @ Rs. 630/m day.
Anti-Poaching	Core Area: Rewards to informers.	16.1.17	7.2.2.1.13	0.1	1.00	1,000 Reward to informers * 10000.000 = 10000.000	10000.000	0.10		This ensures effective investigation into offences.
Strengthening	Core Area: Maintenance of canicuts, Stop Dam-cum-Bridge, Culvert, Irish Bridge.	16.2.13	7.2.2.3.1.3	5.0	9.00	6,000 Maintenance of Causeways, Chappath, retaining walls and culverts * 50000.000 = 300000.000 3,000 Improvement and maintenance of Checkdams and other water harvesting structures * 100000.000 = 300000.000	50000.000 100000.000	6.00	10.39136, 76.71422 10.37943, 76.69404 10.39098, 76.71417 10.38806, 76.74773 10.43814, 76.75840 10.45351, 76.82846 10.46786, 76.80537 10.47076, 76.75654	Maintenance of culvert, chappath etc has been proposed for effective patrolling in the interior areas and accessibility to campseds. To ensure the availability of water during pinch period in Parambikulam Tiger Reserve and adjoining areas
Strengthening	Core Area: Maintenance of earthen ponds.	16.2.16	7.2.2.3.2	2.0	16.00	16,000 Desilting of Waterholes & Check dams * 50000.000 = 800000.000	50000.000	8.00	10.47613, 76.79093 10.40353, 76.76363 10.40983, 76.76305 10.43338, 76.73563 10.44202, 76.74136 10.4375, 76.741 10.44913, 76.72583 10.41603, 76.71293 10.40581, 76.75866 10.46702, 76.75613 10.43445, 76.75231 10.40721, 76.73621 10.40886, 76.8218 10.45286, 76.78558 10.45386, 76.82858	To ensure the water availability during summer including buffer area
Strengthening	Core Area: Maintenance of fire lines and firebreaks.	16.2.15	7.2.2.2.4, 7.2.2.2.3	34.0	1.00	1,000 Creation and maintenance of Fire lines and prescribed burning * 3500000.000 = 3500000.000	3500000.000	35.00	Annexure-III	To prevent habitats from destruction of fire in Parambikulam Tiger Reserve and adjoining divisions (Nemmara, Chalakudy and Nemmara) Fireline 200 Km @ 22000/Km and prescribed burning 50 Ha @ 1000/ha
Strengthening	Core Area: Maintenance of Forest Guard Quarters.	16.2.13	7.2.2.1.1	0.0	1.00	1,000 Maintenance of staff quarters at Orukomban * 300000.000 = 300000.000	300000.000	3.00	10.37973, 76.65597	For camping in interior areas for effective protection.
Strengthening	Core Area: Maintenance of Foresters Quarters	16.2.13	7.2.2.1.1	10.5	1.00	1,000 Renovation of staff quarters at Parambikulam - Spill over * 500000.000 = 500000.000	500000.000	5.00	10.392638, 76.778472	To improve the habitable condition of staff quarters. The renovation of existing building started last year and completed partially
Strengthening	Core Area: Maintenance of kucha roads	16.2.3	7.2.2.1.9	12.0	62.50	62,500 Maintenance of Trekpaths * 16000.000 = 1000000.000	16000.000	10.00	Annexure-II	To enable anti-poaching watchers to reach all sensitive points in time. Here it is proposed for 62.5 Km @ Rs. 16000/Km
Strengthening	Core Area: Maintenance of road network.	16.2.4	7.2.2.1.9	10.0	50.00	50,000 Maintenance of Coupe Roads * 16000.000 = 800000.000	16000.000	8.00	Annexure-I	To improve the communication facilities for speedy access and effective protection. 50 Km @ Rs. 16000/Km
Tiger Safari	Core Area: Maintenance of Tiger Safari, interpretation and awareness centers under the existing component of co-occurrence agenda in buffer and fringe areas	16.21.2	14.3	5.0	1.00	1,000 Purchase of furnitures to Tiger Hall dormitory at Parambikulam * 300000.000 = 300000.000	300000.000	3.00	10.392649, 76.776102	For smooth conduct nature education camps, awareness camps, community programmes of local people
Mainstreaming wildlife concerns	Core Area: Monitoring of wild animals.	16.10.3	12.4	1.0	3.00	1,000 Treatment of sick, injured animals & postmortem and disposal	100000.000	6.50		For treatment, postmortem and disposal of death animals

						* 100000.000 = 100000.000	50000.000			For procuring equipments for treatment, postmortem of death animals
						1.000 Procurement of equipment related to Postmortem * 50000.000 = 50000.000	50000.000			For conducting Phase IV Tiger Monitoring twice in a year under Parambikulam Tiger Reserve and conducting surveys, purchase of batteries for cameratrap and articles are proposed under this works
						1.000 Conducting Phase IV Tiger Monitoring exercise twice in a year * 50000.000 = 50000.000				
Staff Development	Core Area: Capacity building and training.	16.8.1	8.4 & 11.3	0.5	10.00	10.000 Conducting training and capacity building programmes to field staffs, watchers and guides including PD office Staffs * 10000.000 = 100000.000	10000.000	1.00		To improve the capacity building of field personnel, legal awarness and wildlife management including the staff of adjoining Divisions
Habitat Improvement	Core Area: Grass land improvement, wetland improvement	16.3.4	7.2.2.3.3	20.0	250.00	250.000 Habitat improvement - Maintenance of Vayals * 8000.000 = 2800000.000	8000.000	20.00		To improve the foraging capacity of vayals & maintain vayal ecosystem in Parambikulam Tiger Reserve and adjoining Divisions - 250 Ha @ Rs. 8000/Ha
Habitat Improvement	Core Area: Removal of gregarious plant growth from grasslands	16.3.2	7.2.2.3.4	5.0	10.00	10.000 Habitat improvement - Uprooting of Lantana and Eupatorium * 10000.000 = 100000.000	10000.000	1.00	10.39506, 76.66118 10.38367, 76.64915 10.38399, 76.64677 10.45261, 76.825184	To remove all unwanted plants in the grasslands
Habitat Improvement	Core Area: Water retention structures	16.3.3	7.2.2.1.2	0.0	1.00	1.000 Maintenance of water retention structure at Vengoli Peak * 300000.000 = 300000.000	300000.000	3.00	10.425858, 76.807919	For storing water during summer. There is no sufficient water storage facility in the Vengoli camp shed.
Habitat Improvement	Core Area: Weed eradication	16.3.1	7.2.2.3.4	2.0	10.00	10.000 Habitat improvement - Weed eradication * 10000.000 = 100000.000	10000.000	1.00	10.39323, 76.66893 to 10.41477, 76.60396, 10.40123, 76.69934 to 10.39358, 76.67023; 10.445868, 76.822162	To remove all unwanted plants in the grasslands and other forest areas
Co-occurrence agenda in buffer	Core Area: Co-occurrence agenda in buffer and fringa areas (landscape approach, sectoral integration, ecologically sustainable development programmed, livelihood options and eco-tourism) (new activity fin case of tiger reserves where buffer has not been notified so far).	16.5	8.2	6.0	1.00	1.000 Providing Livelihood measures by Implementation of microplan in all the Tribal EDCs * 600000.000 = 600000.000	600000.000	6.00		For the implementation of approved micro plans including the adjoining buffer areas.
	Total (Recurring):							428.44		

(Rs. In Lakhs)

S. No.	Items	Sanction	Central Assistance
1.	Non-Recurring (60%)	121.77	73.06
2.	Recurring (50%)	428.44	214.22
	Total	550.21	287.28

(Rs. In Lakhs)

Cost of APO including State's share	A	550.21
Center's share in APO	B	287.28
1 st release @ 80% of Center's share	$C=0.8*B$	229.824
Less: Unspent balance FY 17-18	D	---
Adjusted 1 st release	$E=C-D$	229.824
2 nd release @ 20% of Center's share	$F=0.2*B$	57.456

* 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.



