

No. 4-1(42)/2018-PT
Government of India
Ministry of Environment, Forest and Climate Change
Project Tiger Division

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Dated the 29 August, 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 Sathyamangalam Tiger Reserve, Tamil Nadu 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 Sathyamangalam Tiger Reserve, Tamil Nadu at the cost of **Rs. 623.19 Lakhs (Rupees Six hundred Twenty Three lakhs Nineteen thousand only)** as per details given in the table at Annexure. Of the total cost of the Scheme, **Rs. 331.58 Lakhs (Rupees Three hundred Thirty One lakhs Fifty Eight thousand only)** being the recurring cost of the scheme will be shared on 50:50 basis by the **Government of India** and **Government of Tamil Nadu**. 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 Tamil Nadu.

2. I am also directed to convey the sanction of the President to the payment and release of an amount of **Rs. 268.982 lakhs (Rupees Two hundred Sixty Eight lakhs Ninety Eight thousand Two hundred only)** as the 1st installment of Central Share towards the Grants-in-aid to Government of Tamil Nadu 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 **Sathyamangalam 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 Tamil Nadu** 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 **Sathyamangalam 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 Tamil Nadu in respect of **Sathyamangalam Tiger Reserve** may furnish their performance-cum-achievement report on or before 31.3.2019.
- (x) **Sathyamangalam 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 Tamil Nadu** 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 Tamil Nadu** to the **Govt. of India**.
- (xiii) Government of Tamil Nadu in respect of **Sathyamangalam 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 **Sathyamangalam 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 (**Sathyamangalam Tiger Reserve**) and **Government of Tamil Nadu**.
- (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.**

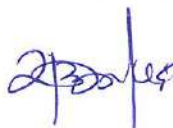
4. As the annual budget of the Scheme is approved by the Central Government, the Government of Tamil Nadu is not required to furnish bond and sureties, in accordance with the Ministry of Finance O.M. No. 14(1)-EII (A)/64 dated 23.6.1965.

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 Tamil Nadu 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)	248.809
Centrally Sponsored Scheme of Project Tiger	3601.06.789.02.01.31 (SCSP)	20.173
Total		268.982

9. This issues under the powers delegated to the Ministry and with the concurrence of Integrated Finance Division vide Dy. No. 111565/AS&FA (PG) dated 24.8.2018.

Yours faithfully,



(Raja Ram Singh)

Assistant Inspector General of Forests (PT)

Copy to:-

1. The Secretary (Forests), Govt. of Tamil Nadu. 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 Tamil Nadu.
3. The Principal Chief Conservator of Forests / Chief Wildlife Warden, Govt. of Tamil Nadu.
4. The Field Director, Sathyamangalam Tiger Reserve, Tamil Nadu.
5. The Accountant General, Tamil Nadu.
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.



(Raja Ram Singh)

Assistant Inspector General of Forests (PT)

SATHYAMANGALAM TIGER RESERVE, TAMIL NADU
ANNUAL PLAN OF OPERATION 2018-19

Non-Recurring (Core + Buffer)

(Rs. in lacs)

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.)			Total (Financial Target)				
Anti-Poaching	Buffer Area: Establishing of patrolling camps/chowkis/buildings	16.1.3	13.2	0.0	1.00	1.000 Construction of Anti-poaching camp building for functional anti-poaching camp at Jallipalayam (Interstate boundary) of TN Palayam Range. * 700000.000 = 700000.000	700000.00	7.00	11.76046, 77.42667	Jallipalayam is an inter state between TN state and Karnataka. Hence, monitoring interstate boundary as well as inside Reserved forest areas is necessary for strengthening protection. Hence, essential. Jallipalayam N 11.76046 E 077.42667				
Strengthening	Buffer Area: Construction of Forest Guard Quarters.	16.2.1	7.2.1.4	15.0	1.00	1.000 Construction of Forest Guard cum Forest Watcher Combined Quarter at Kalkadambur in TN Palayam Range, Sathyamangalam Division * 1500000.000 = 1500000.000	1500000.00	15.00	11.62001, 77.32828	Newly formed Beat in TN Palayam Range, doesn't has residential accomodation in their headquarters. Hence, the component is proposed. Kalkadambur TN Palayam N 11.62001 E077.32828				
Strengthening	Buffer Area: Construction of Garage / Shed.	16.2.1	7.2.1.4	1.0	1.00	1.000 Construction of Jeep shed for Range office campus of Forest Protection squad of sathyamangalam division * 100000.000 = 100000.000	100000.00	1.00	11.49816, 77.24291	There is no parking facility for jeeps and other vehicles in any of the offices of the Forest Protection Squad of Sathyamangalam Forest Division. It is essential to form jeep sheds for protection as well as maintenance of vehicles. Forest Protection squad N 11.49816 E 077.24291				
Strengthening	Buffer Area: Creation of dams.	16.2.5	7.2.1.1	4.0	3.0	2.000 Construction of check dams for arresting of soil erosion and water storage during pinch period on water shed basis at T.N.Palayam, Sathyamangalam and Germalam Ranges. * 250000.000 = 500000.000	250000.00	10.00	11.65318, 77.37729	There is severe water crisis and erosion of soil due to very less focus on SMC structures. Hence, proposed 1. Kapaavimathaiyankovil, TN Palayam N11.65318 E77.37729 2. Mamarathypallankodikal TN Palayam N11.66448 E77.34620 3. Gerkuttaisaragam, Germalam N 11.78435 E 77.21532				
						1.000 Formation of percolation ponds for storage of water and ground water recharge * 500000.000 = 500000.000	500000.00		11.78435, 77.21532		11.54127, 77.340788	There is severe water crisis and erosion of soil due to very less focus on SMC structures. Hence, proposed Edalmokkaikodikal, TN Palayam N11.54127 E77.340788		
Strengthening	Buffer Area: Procurement of hardware, software, manpower, training, gps, etc.	16.2.11	13.2	0.50	17235	3.000 Purchase of Computer accessories cum stationaries with essential softwares in buffer zone offices * 20000.000 = 60000.000		51.8		The Range offices Sathyamangalam, T. N. Palayam and Germalam in Buffer zone needs essential funding for maintenance of computers, accessories and stationary for effective office functioning. Hence, essential.				
						8640.000 Purchase of AA-size batteries for camera traps * 20.000 = 172800.000	20000.00				For the cameras 8640 AA-size batteries are required at the rate of 16 batteries per camera trap required for carrying out camera trap exercise.			
						540.000 Purchase of 8 GB memory cards for camera traps * 400.000 = 216000.000	20.00					For the cameras 540 no. of memory cards are required for carrying out camera trap exercise.		
						44.000 Clearing of transact lines * 4000.000 = 176000.000	4000.00						8 days protocol has to be carried out in all beats of adjoining Erode Division and for the same 2 km transact has to be laid out as per NTCA monitoring protocol. Hence, transact lines has to be laid in all 44 beats of Erode Division.	
						7808.000 Purchasing AA-size batteries for camera traps in Adjoining Erode Division * 20.000 = 156160.000	4000.00							Erode Division is adjoining to Sathyamangalam Tiger Reserve and All India Tiger Estimation 2018 has to be carried out in 44 beats, 488 grids for which camera traps
						200.000 Purchase of camera traps. * 22000.000 = 4400000.000	20.00							

23/07/18

												from Sathyamanglam Tiger Reserve will be utilized but AA sized batteries of 16 nos / camera trap are required for carrying out the exercise. In order to complete phase IV camera trap protocol in Erode adjoining Tiger bearing area, Erode Division a minimum of 200 no of camera traps is proposed and phase 4 will be conducted in 4 blocks. Accordingly, a total of 200 camera traps is required as minimum requirement. Hence, it is requested to sanction the same.
Addressing man animal conflict	Buffer Area: Deployment traps, cages to catch problematic animals.	16.4.1.3	7.2.2	0.0	2.00	2.000 Creation of Elephant proof trenches in Bhavanisagar Range * 450000.000 = 900000.000	450000.00	9.00	11.41259, 77.13799			During summer seasons the wild elephants come out of RF in search of food and water. Due to scarcity of water and food, they tend to raid the crops in the patta lands. Therefore digging of elephant proof trenches is highly essential. Bhavanisagar Range fringe villages boundary N 11.41259 E 077.13799
Addressing man animal conflict	Buffer Area: Payment of compensation for cattle lifting, death of human beings and crop predation* due to wild animals.	16.4.1.1	5.4.1	4.0	2.00	2.000 Payment of compensation for crop depredation, human death, cattle lifting, human injury and property damage. * 250000.000 = 500000.000	250000.00	5.00				Payment for Human-Animal conflict is time bound and immediate relief for human death and cattle lifting issues are to be paid at once. Crop raids occur in routine basis and claims are to be settled in stipulated period. Hence amount required is essential.
Mainstreaming wildlife concerns	Buffer Area: Anti-poaching operations.	16.10.1.4	13.2	0.0	10.00	10.000 Refilling charges for LPG connections provided in 2016-17 to 10 APCs functioning with in Tiger Reserve * 9600.000 = 96000.000	9600.00	0.96				It is essential to refill the LPG for connections existing to avoid fuel wood dependency and utility of provided services in Anti-poaching Camps.
Staff Development	Buffer Area: Specialized training in management planning.	16.8.8	13.2	0.0	2.00	2.000 Conducting training on park management issues like habitat management, field ecology, water management etc., to all staff * 25000.000 = 50000.000	25000.00	0.50				Conducting training on park management issues like habitat management, field ecology, water management etc., to all staff is essential for tiger reserve management and better administration with respect to field issues.
Staff Development	Buffer Area: Specialized training in the use of Global Information System (GIS), anti-poaching operations.	16.8.3	13.2	0.0	2.00	2.000 Conducting training on smart patrol and anti-poaching activities to the front line staff * 25000.000 = 50000.000	25000.00	0.50				Essential to conduct training on regular basis to the front line staff for effective monitoring and strengthening of protection, 8 days protocol, conducting daily patrol log & other NACA protocols.
Staff welfare	Buffer Area: Provision for ration allowance to field staff	16.16	13.2	1.032	60.00	60.000 Supply of ration to front line staff and APWs staying in 10 APCs of Buffer zone with in Tiger Reserve. * 10200.000 = 612000.000	10200.00	6.12				Ration allowance is proposed as per NACA Ref. No. 12-7/2010 dated 31.07.2014 & Ref. No. 15-31/2012 dated 06.06.2014. This ration allowance is applicable to Field staff and below, working on regular payrolls at field level in Tiger Reserves @ Rs. 850/- per month to 60 APWs in 10 APCs of Buffer zone camps with in Tiger Reserve.
Staff welfare	Buffer Area: Supply of mosquito net/ field kit	16.16	13.2	0.90	50.00	50.000 Providing bags, spread sheets, rain coats, etc., to front line staff * 750.000 = 37500.000	750.00	0.38				It is essential to support field staffs in remote areas and interior camps for efficient functioning and promoting their morale as per NACA guidelines.
Eco-Development	Buffer Area: Basic health care/ Health Camps for Staffs.	16.16	8.2.5	0.30	5.00	2.000 Conducting medical camps/employment camp etc. for tribal hamlets and fringe villages in co-ordination with line department and NGOs * 15000.000 = 30000.000	15000.00	0.30	11.670074, 77.129358 11.65864, 76.92462 11.489104, 77.104050			It is essential to gain good will of the people as well as to expose remote area tribals to proper hygiene and health care.
Eco-Development	Buffer Area: To carry out prophylactic immunization of cattle in and around Tiger Reserve.	16.10	11.5.3	0.70	7.00	7.000 Conducting immunization camp in and around fringe villages in all Ranges of Tiger Reserve area /sanctuary * 10000.000 = 70000.000	10000.00	0.70				STR is a human dominated landscape having more than 30 hamlets within the Tiger Reserve and more than 100 fringe villages. Vaccinating cattle from these villages is essential to prevent spread of epidemics to wild animals in co-ordination with Animal Husbandry department twice in a year. (Bi-Annual Routine)
Anti-Poaching	Core Area: Procurement of field gear, night vision device etc	16.1.15	10.3	0.0	90.00	90.000 Procurement field gear, night vision device, field dress, boots, binoculars * 5000.000 = 450000.000	5000.00	4.50				It is essential to provide uniform and accessories to anti poaching watchers regularly every year because they are subjected to wear & tear.
Strengthening	Core Area: Construction of (patrolling camp,	16.2.1	10.3	7.0	3.00	2.000 Construction of Anti-poaching camp building for functional antipoaching camp	700000.00	22.00	11.67082, 77.02821			At present there is no APW camp building for Kodamballi camp and Mangalapatti floating camp in core zone crucial area. Its essential

23/5/18

	culverts).					at Kodamballi of Talawady Range and Mangalapatti of Bhavanisagar Range * 700000.000 = 1400000.000	800000.00		11.587046, 76.847294 11.78846, 77.21716	for strengthening protection. Hence proposed. Kodamballi N.11.67082 E.77.02821 Mangalapatti 11.587046 76.847294 Camping shed is essential at the interstate boundary locations for surprise inspection, stay and combing operation halls for staff and officers for strengthening of protection. Hence it is proposed along with EPT and solar facilities. Gerkuttai, Germalam N11.78846 E 77.21716
Strengthening	Core Area: Construction of Forest Guard Quarters.	16.2.1	8.5.4.1	30.0	1.00	1.000 Construction of Forest Guard cum Forest Watcher Combined Quarter, Gedessal Beat of Germalam Range. * 1500000.000 = 1500000.000	1500000.00	15.00	11.77975, 77.22025	Gedessal Beat of Germalam Range does not have residential accommodation in their headquarters. Hence, the component is proposed. Gedessal, Germalam N. 11.77975 E.77.22025
Strengthening	Core Area: Construction of Garage / Shed.	16.2.1	7.2.1.5	2.0	3.00	3.000 Construction of Jeep shed for Thalamalai Range office of Sathyamangalam Division and Germalam and Hasanur Ranges of Hasanur Division * 100000.000 = 300000.000	100000.00	3.00	11.61620, 77.00585 11.77975, 77.22025 11.67031, 77.12946	There is no parking facility for jeeps and other vehicles in any of the offices in Sathyamangalam Tiger Reserve and it is essential to form jeep sheds for protection as well as maintenance of vehicles. 1. Thalamalai N. 11.61620 E.077.00585 2. Germalam N. 11.77975 E.77.22025 3. Hasanur N 11.67031 E077.12946
Strengthening	Core Area: Construction of Toilets	16.2.1	10.3	0.0	1.00	1.000 Construction of staff Toilet for newly constructed DFO Office in Hasanur Division * 200000.000 = 200000.000	200000.00	2.00	11.67018, 77.12981	At present there is no permanent toilet building for the newly constructed DFO office functioning in Hasanur. Hence, it is most essential for lady office staff especially.
Strengthening	Core Area: Creation of anicuts.	16.2.5	7.2.1.1	6.0	2.00	2.000 Construction of check dams for arresting of soil erosion and water storage during pinch period on water shed basis. * 250000.000 = 500000.000	250000.00	5.00	11.47043, 77.04449 11.54900, 77.13376	In the upper Talamalai&Hasanur plateau and lower thorn forest, there is severe water crisis and erosion of soil due to very less focus on SMC structures. Sathyamangalam Tiger Reserve receives only 10 -15 Rainy days of showers which have to be tapped for wildlife and vegetation in few locations for management purpose. Hence, proposed. 1. Puiyamarathusollai, Bhavanisagar N 11.47043 E 077.04449 2. Nirkattipallam, Bhavanisagar N 11.54900 E 077.13376 3. Kokalakupallam Germalam N.11.78225 E 077.22056 4. Muthukatharipallam, Germalam west beat N. 11.78435 E. 77.21532
Strengthening	Core Area: Creation of earthen ponds.	16.2.7	7.2.1.1	11.0	2.00	2.000 Formation of percolation ponds for storage of water and ground water recharge * 500000.000 = 1000000.000	500000.00	10.00	11.63295, 76.91060 11.67841, 76.95143 11.53012, 77.03071	In the upper Talamalai&Hasanur plateau and lower thorn forest, there is severe water crisis and very less ground water recharge due to low rainfall in both the monsoon. Hence it is essential to harvest rain water through earthen structures for wildlife, forests and for ground water recharge. 1. Ganthinagar Kodikalimokkai, Thalamalai N.11.63295 E.76.91060 2. Makkal Kovil, Talavady N. 11.67841 E. 76.95143 3. Karadimikkal kodikkal, Bhavanisagar N.11.53012 E077.03071 4. Uppuman seragam Binakanhalli south beat, Hasanur N11.66477 E077.12043
Strengthening	Core Area: Creation of fire watch tower, etc.	16.2.4	10.3.14.1	8.5	2.00	2.000 Formation of fire watch tower at Fire vulnerable locations in Sathyamangalam Range and Hasanur Range of Sathyamangalam Division. * 350000.000 = 700000.000	350000.00	7.00	11.67030, 77.12954 11.60259, 77.12690 11.670074, 77.129358	It is essential to deploy fire watchers in fire watch towers for early detection of fire and temporary halting location to reach the spot of fire at the earliest for extinguishing. 18th Hairpin bend N 11.60259 E 77.12690 Hasanur, Hasanur Range N 11.670074 E 77.129358
Strengthening	Core Area: Creation of road network.	16.2.2	10.3.2	0.0	10.00	10.000 Resurfacing of patrol roads in existing NTFP and coupe roads for strengthening of protection and approach to floating camp locations. * 20000.000 = 200000.000	20000.00	02.00	Talawady Range; 4km GPS; N 11.63686 E 76.83820 N 11.63645 E 76.85169 Hasanur Range; 4km GPS; N 11.65370 E 77.11283 N 11.66715 E 77.11307 Talamalai Range; 2km GPS; N 11.60481 E 77.03880	Sathyamangalam Tiger Reserve is prime wildlife habitat with highly undulating landscape and unapproaching vulnerable locations, which has to be improved with respect to approach, establishment of permanent camps and regular patrolling. Hence, the existing NTFP, coupe roads and paths have to be improved for the same. Talawady Range; 4km GPS; N 11.63686 E 76.83820 N 11.63645 E 76.85169 Hasanur Range; 4km GPS; N 11.65370 E 77.11283 N 11.66715 E 77.11307 Talamalai Range; 2km GPS; N 11.60481 E 77.03880
Strengthening	Core Area: Procurement of Hardware.	16.2.10	10.3.14.1	1.5	1.00	1.000 Purchase of UPS for Thalamalai Range and Hasanur Range, Computer with printers for forest protection squad office, Sathyamangalam Division and Hasanur Division. * 200000.000 = 200000.000	200000.00	2.00		Computer and printers is essential for routine office work and administrative purpose. Hence, It is proposed to purchase the equipments for newly formed squad offices in Talamalai, Hasanur and 2 squad offices.

Signature

Addressing man animal conflict	Core Area: Procurement of traps to catch problematic animals.	16.4.1.3	12.2.4.4	1.0	2.00	2.000 Purchase of monkey traps, rescue nets, etc for capture and relocation of problematic animals * 50000.000 = 100000.000	50000.00	1.00		These equipments are essential for conflict emergencies in and around the protected areas.
Research and field equipment	Core Area: Day to day monitoring of wild animals	16.7	13.2	32.47	301.00	200.000 Purchase of camera traps. * 22000.000 = 4400000.000 20.000 Procurement of Compass * 5000.000 = 100000.000 20.000 Procurement of Range finders * 18000.000 = 360000.000 60.000 Clearing of transect lines * 4000.000 = 240000.000 1.000 Engaging biologist * 312000.000 = 312000.000	22000.00 5000.00 18000.00 4000.00 312000.00	54.12		Newly formed Sathyamangalam Tiger Reserve has only 220 camera traps which is insufficient to conduct phase IV monitoring in 777 grids in single instance and does not have range finders and compass for the same. For data analysis and monitoring of field studies continuity of existing biologist in Sathyamangalam Division and one biologist in newly carved out Hassanur Division is essential. For carrying out phase I monitoring 8 days protocol maintenance of transect lines is highly essential. Newly formed Sathyamangalam Tiger Reserve has only 220 camera traps which is insufficient to conduct phase IV monitoring in 777 grids in single instance and does not have range finders and compass for the same. For data analysis and monitoring of field studies continuity of existing biologist in Sathyamangalam Division and one biologist in newly carved out Hassanur Division is essential. For carrying out phase I monitoring 8 days protocol maintenance of transect lines is highly essential.
Mainstreaming wildlife concerns	Core Area: Habitat improvement measures.	16.10.1.5	7.2.1.2.2	0.0	14.00	12.000 engaging Eco-sanitary watchers for removing solid waste, plastic waste etc.@ Rs. 5000/- per month (5000x12-60000) 12.000 60000.000= 720000.000 2.000 Engaging ECO tone watchers for monitoring cattle kill, retaliete poisoning, conflict data, cattle population and other required data at the rate of Rs. 15,000/- consolidated wages per month for each Divisions * 180000.000 = 360000.000	60000.00 180000.00	10.8		Eco-sanitary Watchers are engaged in places of pilgrim & tourist movement areas. They are employed for keeping the forest campus clean, removing of solid waste, plastic garbages& for checking pilgrims movement. Eco-tone watchers are employed 1 @ each division to monitor cattle kill, conflict & other fringe data from villages for monitoring purpose.
Staff Development	Core Area: Dissemination workshops.	16.8.6	7.2.1.6	0.60	2.00	2.000 Conducting stake holder meeting and workshops * 25000.000 = 50000.000	25000.00	0.50		NGOs and local institutions will be engaged to make liason with the public residing in and around the Tiger Reserve on various issues like conflict management, consultative meetings and sensitization camps.
Staff Development	Core Area: Study tours for appraisal of good practices in other reserves.	16.8.5	8.4	0.50	2.00	2.000 Conducting of study tour to the frontline from field and office for exposure to the practices in other Tiger Reserves * 50000.000 = 100000.000	50000.00	1.00		It is essential to expose staff to the best practices in other Tiger Reserves for improvement in the overall working system and gaining of Tiger habitat management inputs.
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 al categories. See from guide lines	16.15	8.5.4	15.12	1.00	1.000 Payment of Project Allowance for the year 2018 - 19 * 1316400.000 = 1316400.000	1316400.00	13.16		As per guidelines of NTCA project allowance is paid to all permanent staff as per the rates specified
Staff welfare	Core Area: Provision for	16.16	10.3	10.71	90.00	90.000 Supply of ration to front line staff and APWs staying in	10200.00	9.18		Ration allowance is proposed as per NTCA Ref. No. 12-7/2010 dated 31.07.2014 & Ref.

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	ration allowance to field staff					remote locations * 10200.000 = 918000.000				No. 15-31/2012 dated 06.06.2014. This ration allowance is applicable to Field Staff and below, working on regular payrolls at field level in Tiger Reserves @ Rs. 850/- per month to 90 APWs in 15 APC of core.
Staff welfare	Core Area: Supply of field kit	16.16	10.3	1.13	150.00	150.000 Providing bags, spread sheets, rain coats, etc., to all front line staff * 750.000 = 112500.000	750.00	1.13		It is essential to support field staff for efficient functioning in remote areas as per NTCA guidelines.
Staff welfare	Core Area: Supply of kerosene	16.16	10.3	1.53	15.00	15.000 Refilling charges for LPG connections provided to all APCs during 2016-17. * 9600.000 = 144000.000	9600.00	1.44		It is essential to refill the LPG for connections existing to avoid fuel wood dependency and utility of provided services in Anti-Poaching Camps.
Staff welfare	Core Area: Supply of medicine	16.16	10.3		15.00	15.000 Providing first aid kit with basic medicines for emergency situations. * 500.000 = 7500.000	500.00	0.08	11.72844, 77.01824	It is essential for first aid medication and emergency situations arising in field while on duty to sustain the staff until approach to nearest PHC or hospital.
Staff welfare	Core Area: Supply of torch/ batteries	16.16	10.3	1.35	100.00	100.000 Procuring rechargeable torches for APWs * 2000.000 = 200000.000	2000.00	2.00	11.67051, 77.28611	It is essential for safety of staff while working and staying in remote areas and during night patrolling.
Fostering Tourism	Core Area: Activities for reducing resource dependency	16.17	11.1.2	1.0	6.00	6.000 Engaging trained youth from local & tribal villages as eco-guides for week end and holidays eco-tourism activities at the rate of 1 member per Range at Rs. 4000/- month during week ends and holidays. (6 months) 24000.000 = 144000.000	24000.00	1.44		This will provide employment opportunities to local youth from tribal and other communities in and around the Tiger Reserve & Is an initial support to that tiger reserve for beginning of eco-tourism
Fostering Tourism	Core Area: Wildlife Conservation Awareness	16.17	11.1.2	0.0	03.00	1.000 Extension of DFO/DD office 1st floor as training cum meeting hall with necessary equipments above the new office building of DFO / DD in Sathyamangalam * 1300000.000 = 1300000.000	1300000.00		11.491215, 77.244735	Sathyamangalam Tiger Reserve is newly formed Tiger Reserve. Lots of students researchers, wildlife enthusiasts and officers from TN forest dept and from other states used visit this area. For them for conducting meeting and training no facility are available at present. Hence training cum meeting hall is essential for Sathyamangalam Division. The office first floor can be extended as meeting hall cum training hall for all purpose.
						1.000 Maintenance of website, publicity, publications, newsletter etc., for wildlife conservation and awareness. * 100000.000 = 100000.000	100000.00	15.00	11.56717, 77.28321	It is proposed to create permanent awareness creation among the publics.
						1.000 Purchase of books, journals, printing of tshirts pamphlets, books etc for conservation awareness * 100000.000 = 100000.000	100000.00		11.67051, 77.28611	It is essential to bring attention of public, nature lovers, students etc aiming at conservation awareness through website, newsletter, advertisement and other publicity materials.
										It is essential for creating awareness among sub-ordinate staffs at range level, updation about facts in wildlife conservation in other protected areas across india& world.
	Total (Non-Recurring):							291.61		

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: Deployment of local work force for patrolling, surveillance of water holes, manning barriers.	16.1.9	13.1	48.6	60.00	60.000 Engaging Anti-poaching watchers for 10 APCs located in strategic locations of buffer zone which is inside the Tiger Reserve boundary and is also a part of Sanctuary * 120000.000 = 7200000.000	120000.00	72.00	60 APWs are engaged @ 6 APWs per camp and they are regularly working at consolidated wages payment for 25 days in a month by staying in camps and patrolling surrounding beat areas. As per G.O. Ms. 115, Environment & Forests (D2 / II) Department, Dated: 23.09.2017 APWs consolidated wages has been raised from Rs. 6750/- to Rs. 10,000/month.
Anti-Poaching	Buffer Area: Maintenance of field gear, night vision device.	16.1.15	13.2	3.0	60.00	60.000 Providing of field gear, boots, blankets etc., to anti-poaching watchers in 10 antipoaching camps functioning in buffer within Tiger Reserve and part of sanctuary * 5000.000 = 300000.000	5000.00	3.00	It is essential to provide uniform and accessories to anti poaching watchers regularly every year. Procurement field gear, night vision device, field dress, boots, binoculars ? Uniform cloth, Stitching charges with caps and Shoes Rs 4250/set ? Blanket /Rain coat /Hunter Shoes Rs750/set

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Strengthening	Buffer Area: Maintenance of Computers Accessories.	16.2.10	13.2	0.2	3.00	3.000 Maintenance of Computer & accessories in buffer zone Range offices * 5000.000 = 15000.000	5000.00	0.15		It is essential for effective day to day functioning computers & other equipments in T N Palayam, Cermalam and Sathyamangalam Range offices
Strengthening	Buffer Area: Maintenance of Forest Guard Quarters.	16.2.1	7.2.1.4	4.5	2.00	2.000 Improvement & repairs to Forest Guard & Watcher combined quarters in Buffer areas in Sathyamangalam Division * 150000.000 = 300000.000	150000.00	3.00	11.52515, 77.44518 11.498170, 77.242917	The Staff quarters constructed in Sathyamangalam Tiger Reserve are very old and need special repairs and improvements. All these buildings improvements are required to facilitate the stay of field personnel in their respective head quarters. Hence, these items are proposed. 1. Kanakampalayam, TN Palayam N 11.52515 E 077.44518 2. Assistant Quarters, Sathyamangalam. N 11.498170 E 077.242917
Strengthening	Buffer Area: Maintenance of Foresters Quarters	16.2.1	7.2.1.4	2.0	1.00	1.000 Improvement & repairs to Weigh bridge section Forester Quarters in Sathyamangalam Division. * 100000.000 = 100000.000	100000.00	1.00	11.48469, 77.247652	The Staff quarters constructed in Sathyamangalam Tiger Reserve are very old and need special repairs and improvements. All these buildings improvements are required to facilitate the stay of field personnel in their respective head quarters. Hence, these items are proposed. Weigh bridge section, Sathyamangalam N 11.48469 E 77.247652
Strengthening	Buffer Area: Maintenance of kuccha roads	16.2.2	7.2.1.4	1.0	7.00	7.000 Maintenance of existing old coupe roads / patrol roads and NTFP roads / approach roads etc.. in buffer area of sanctuary in Bhavanisagar Range * 15000.000 = 105000.000	15000.00	1.05	11.63223, 77.34381	These existing coupe roads, patrol roads, NTFP roads & approach roads are highly essential for strengthening protection activities in interior areas and they have to be maintained every year since they are fare weather roads. Sujalkuttai to checkpostpenchippallam (7 Km) N.11.63223 E.77.34381
Strengthening	Buffer Area: Procurement of compass, range finder, Global Positioning System (GPS), camera traps.	16.2.11	9.2.4.3	0.50	2.00	2.000 Procurement of Binoculars & E-Trax advanced GPS * 25000.000 = 50000.000	25000.00	0.50		Old Garmin 72 GPS and very few binoculars are available for conducting monitoring and daily patrol log. Hence, about 10 sets of advanced equipments are essential.
Addressing man animal conflict	Buffer Area: Maintenance of tranquilizing equipments and rescue vehicles. (Items will be in a dropdown)	16.4.6	7.2.2	5.83	1512.00	10.000 Maintenance of Elephant proof trenches buffer area * 50000.000 = 500000.000 1500.000 Engaging 15-20 local youths and village volunteers along with vehicles for addressing man animal conflict in fringes of Bhavanisagar&Talawady high conflict zones from Oct to March @ 20days/month. * 318.250 = 477375.000 2.000 Supply of 100 litres fuel per month and maintenance charges to existing two anti-depredation vehicles in Talawady and Bhavanisagar * 36000.000 = 72000.000	50000.00 318.250 36000.00	10.49	11.54117, 77.13860 11.48903, 77.10409	Previously Elephant Proof Trenches were dug with a top Width of 2 metre; Height 2 metre; Bottom Width 1 metre; The Elephants cross these types of Elephant Proof Trenches very easily & damage the Elephant Proof Trenches. So periodical maintenance of Elephant Proof Trench is very essential. Bhavanisagar Range fringe villages boundary N 11.54117 E 077.13860 N11.48903 E 077.10409 Man animal conflict incidences in Bhavanisagar&Talawady are very high due to migrating Elephants across corridor which causes huge depredation in the village farm lands and properties. Local youths are engaged for about 20 days in a month for 6 months temporarily to drive away these straying Elephants back to reserved forests every year. There are 2 vehicles which are used for anti-depredation squad deployment to the conflict areas and one among in the squad is engaged as driver. For the same vehicle, fuel and maintenance charges are essential. Hence, proposed.
Habitat Improvement	Buffer Area: Lantana / Weed / Brush Wood mapping	16.3	7.2.1.1.2	0.0	2.00	2.000 Formation of temporary brush wood check dams * 50000.000 = 100000.000	50000.00	1.00	11.74541, 77.11255	It is essential to form brush wood structures for augmentation of water in staggered manner in important wildlife habitat streams. Tattawadypallam, Hasanur N11.74541 E 77.11255
Anti-Poaching	Core Area: Deployment of anti-poaching squads.	16.1.2	10.3	72.9	90.00	90.000 Engaging Anti-poaching watchers for 15 APCs located in strategic locations in core * 120000.000 = 10800000.000	120000.00	108.00		90 APWs are engaged @ 6 APWs per camp and they are regularly working at consolidated wages payment for 25 days in a month by staying in camps and patrolling surrounding beat areas.

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Anti-Poaching	Core Area: Legal support for defending court cases.	16.1.13	10.3.13	1.5	2.00	2.000 Incentive to informants and documentation, preparation of criminal dossiers * 25000.000 = 50000.000	25000.00	0.50	To meet out the expenditures towards information collection from secret informers at village level & preparation charges towards criminal dossiers.
Anti-Poaching	Core Area: Maintenance of vehicles, boats	16.1.14	10.3	8.23	19.00	12.000 Maintenance and additional fuel for vehicles of FD, DDs & FROs used for patrolling and antipoaching activities * 25000.000 = 300000.000 1.000 Engaging temporary driver on monthly wages for Special Patrolling & Protection drive for one vehicles for 12 months * 169200.000 = 169200.000 2.000 Engaging temporary drivers on monthly wages for two water supply vehicles to anti poaching camps (1 for Sathyamangalam & 1 Hasanur Divisions) * 169200.000 = 338400.000 2.000 Fuel charges for water supply vehicle to anti-poaching camps * 124200.000 = 248400.000 2.000 Maintenance Charges to watering vehicles * 12000.000 = 24000.000	25000.00 169200.00 169200.00 124200.00 12000.00	10.80	All the vehicles of Sathyamangalam Tiger Reserve are operated in hill areas and rough terrain of Forests and are regularly susceptible to wear & tear and damage by wild animals especially Elephants and additional fuel is required for long range patrolling activities since only 150 litres is sanctioned from Government. Hence, maintenance and additional fuel expenditure is essential. Field Director driver post is essential during special perambulation and protection drives along different divisions through the landscape. Since, there is no permanent post of driver, it is essential to engage temporary drivers for existing two water supply vehicles in Hassanur and Sathyamangalam Division utilized for supply of water to the anti-poaching camps and water supply to temporary troughs during pinch period. About 150 litres of fuel (at an average rate of Rs. 69/litre) is required as running cost towards one vehicle per month which involves watering to about 12 - 13 anti-poaching camps located in remote corners of the Tiger Reserve. And, the same vehicle is utilized for summer watering into few temporary water troughs during pinch period. Annual maintenance is essential for better utilization
Anti-Poaching	Core Area: Maintenance of existing patrolling camps/chowkis and deployment of camp labourers for patrolling.	16.1.3	10.3	0.0	2.00	4.000 Maintenance of existing anti-poaching camps includes repairing works for Sathyamangalam and Hasanur Divisions. * 100000.000 = 400000.000	100000.00	4.00	11.67871, 77.25098 11.55493, 77.22952 11.65215, 76.86343 11.78523, 77.20757 Anti-poaching camps are located in strategic locations of the Tiger Reserve where APWs and field staff camp for patrolling. These camps have to be maintained with basic amenities and protection from wildlife attacks. 1. ChinnaHulleypalayam N.11.67871 E.77.25098 2. Doormunlappan kovil N.11.55493 E.77.22952 3. Kongahalli N 11.65215 E 76.86343 4. Shooting Lodge N 11.78523 E 77.20757
Anti-Poaching	Core Area: Maintenance of office equipment.	16.2.1	10.3.10	3.0	16.00	3.000 Maintenance of office equipments in F.D & D.D Offices * 50000.000 = 150000.000 13.000 Cost of office stationaries and other essential items in F.D., DD & Range offices in core area. * 15000.000 = 195000.000	50000.00 15000.00	3.45	The equipment like photocopiers, fax machines, cell phone, computers, power supply units, batteries, solar lights, oil engines etc., are already procured under various plan schemes in earlier years. Maintenance of this equipment is necessarily required to avoid additional expenditure for the procurement of new equipment. Hence this budget is proposed. The equipment like photocopiers, fax machines, cell phone, computers, power supply units, batteries, solar lights, oil engines etc., are already procured under various plan schemes in earlier years. Maintenance of this equipment is necessarily required to avoid additional expenditure for the procurement of new equipment. Hence this budget is proposed.

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Anti-Poaching	Core Area: Maintenance of wireless tower.	16.2.3	10.3.6	12.0	9.00	<p>1.000 Engaging Wireless technician * 24000.000 = 24000.000</p> <p>1.000 Procurement of wireless equipments, spare parts & repair & licence renewal fee of wireless frequency for STR, Erode * 500000.000 = 500000.000</p> <p>7.000 Provision for Broad band charges/ Data card charges to all 8 range offices * 12000.000 = 84000.000</p>	240000.00 500000.00 12000.00 6000.00	08.24	<p>It is essential to engage 1 wireless technician, preferable Ex-Serviceman for monitoring wireless network and data all through the district for better protection.</p> <p>It is essential to pay 4.5 lakh rupees towards wireless frequency renewal obtained during 2015-16 for continued wireless connectivity. And worn out spareparts, new purchases of battery, etc are highly essential</p> <p>Provision for Landline phone / Data Charges for 7 Rangers and Broadband / Data Charges for Range Offices Since, range offices does not have internet connectivity, it is essential to provide data charges @1000/month.</p> <p>It is encouraging and motivating to provide an allowance of mobile charges @Rs.500/month to field staff and monitoring officers and this will lead to better communication and effective protection. Mobile phone and land line bill payments of Chief wildlife warden/ Additional Principal Chief Conservator of Forests (Project Tiger) / Field Director / Deputy Director / Rangers / Patrol staff and Crisis Management cell and land line phone charge for Crime Control Board at Camp Office.</p>
Anti-Poaching	Core Area: Organizing surprise raids jointly with the local police(in railway stations, local trains, bus-stops, buses, catchers and cafeteria.)	16.1.6	10.5.1	5.62	4.00	<p>2.000 Engaging Mazdoors for Crime Control Unit * 90000.000 = 180000.000</p> <p>1.000 Establishment of Wildlife Intelligence & Crime Control Unit (WICCU) * 325000.000 = 325000.000</p> <p>1.000 Fuel and maintenance charges for WICCU vehicle * 175000.000 = 175000.000</p>	90000.00 325000.00 175000.00	6.80	<p>A crime control unit in the camp office of the Field Director / Deputy Director is essential for receipt of confidential messages regarding movement of poachers, smugglers etc. to be passed on to the concerned rangers for immediate follow up action and also to inform the Field Director of any urgent messages when he is in camp. Engaging 2 mazdoors @ Rs.7500/ per month to man control room for 12 months for Field Director office and Deputy Director Offices for WICCU</p> <p>A separate intelligence gathering unit is formed in Sathyamangalam Tiger Reserve from November 2014 onwards. Still poaching is considered as major threat in STR. The information collected through WICCU is very much useful in Park Management. A retired ACF, FRO & Field staff are engaged in this WICCU unit on contract basis. Honorarium paid to the staff and secret intelligence gathering fund etc are provided in this item. Establishment and maintenance of Wildlife Intelligence and Crime Control Unit (WICCU)? by engaging Retired Assistance Conservator of Forests, Retired Forest Range Officer and Retired Forester.</p> <p>For fuel and maintenance of vehicle allotted to WICCU unit for field inspection, investigation etc., Fuel, Oil, Lubricant, and maintenance etc. for WICCU Vehicle 250 lit fuel per month. 1) Maintenance of vehicle including Oil and lubricant- Rs 12,500 / per year 2) Fuel - 250 lit x 10 months = 2,500 lit x Rs.65 = Rs.1,62,500/- per year</p>
Anti-Poaching	Core Area: Rewards to informers.	16.1.12	10.3.13	1.5	2.00	<p>2.000 Rewards to all category of Staff and Secret Service Expenditure for intelligence gathering both Hasanur and Sathyamangalam division * 25000.000 = 50000.000</p>	25000.00	0.50	<p>To provide encouragement to staff and help in effective detection of offences and in intelligence gathering, rewards to informants are proposed. Further, for certain confidential operations and to collect intelligence, this item is</p>

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Anti-Poaching	Core Area: Special repair and Maintenance work (ex. pipe lines)	16.2.1	10.3.8	3.0	3.00	3.000 Special maintenance to Thalimalai Range office, combined FG & FW quarters in Thalimalai by providing drinking water facilities and repairing borewell in Sathyamangalam Division & Special maintenance to Gettavadi Beat Forest Guard quarters in Hasanur Division * 300000.000 = 900000.000	300000.00	9.00	11.61580, 77.00568 11.61570, 77.00606 11.66365, 76.88499	proposed. Thalimalai Range office and all other staff quarters are situated in above 1000 MSL. During summer, there is water scarcity. Hence, providing water facility to the office and quarters building is essential for staff welfare. Gettavadi Forest Guard quarters is severely damaged in roof and load bearing wall portion and is not habitable. It needs special repairs and maintenance for staff to stay in headquarters. Thalimalai N.11.61580 E.77.00568 Thalimalai N 11.61570 E.77.00606 Gettavadi N 11.66365 E 76.88499
Strengthening	Core Area: Maintenance of anicut, . Stop Dam-cum-Bridge, Culvert, Irish Bridge.	16.2.5	7.2.1.1	4.0	10.00	10.000 Maintenance & Repair of existing older check dams and percolation ponds * 50000.000 = 500000.000	50000.00	5.00	The existing Check dams and percolation ponds are completely silted and damaged with apron and side walls. Such older check dams and PPs should be maintained regularly for storage of water and prevention of erosion. 1. Gejalattipallam, Bhavanisagar N 11.54799 E 77.00930 2.Nekkiruppu murungameram, Bhavanisagar N 11.54718 E 77.02769 3.Madhali kuttai, Thalimalai N 11.60691 E 77.02831 4.Jade Rudrasamykoti N 11.75453 E 077.22982 5.Kokanakepallam, Germalam N 11.78225 E 077.22056 6.Karappallam Saragam N 11.71584 E 077.11428 7.Onnurkai Saragam N.11.67677 E 077.13232 8.Biderkai Saragam, Hasanur N.11.67799 E 077.13531 9.Doddikadavu Saragam N.11.67167 E077.12936 10.Pokkalarai, Thalimalai N 11.63070 E 77.98068 11.Vadavalli, Sathyamangalam N 11.55214 E 77.14072 12.Dhibam, Sathyamangalam N 11. 60104 E 77.13991 13.Amarapallam N 11.74885 E 077.23601 14.Dhonakarai, Bhavanisagar N 11.51208 E 077.07923 15. Ekkathur beat- PerumaduvuPallam N 11. 11.68753 E 077.26038.	
Strengthening	Core Area: Maintenance of earthen ponds.	16.2.7	7.2.1.1	4.4	10.00	10.000 Maintenance of natural water holes and percolation ponds by desilting and bund maintenance. * 50000.000 = 500000.000	50000.00	5.00	The existing natural water holes have be de-silted and bund has to be maintained for water storage to wild animals especially during pinch period. Hence, essential. 1. Pillikarai Saragam N 11.69644 E 077.12583 2. Sellakuttai, Bhavanisagar N 11.56895 E77.07923 3.Marakatha Kuttai, Thalimalai N 11.59277 E77.07315. 4.Pokkalarai, Thalimalai N 11.63070 E77.98068 5. Navalkuttai Saragam N 11.65629 E077.10025 6. Matheshwarankuttai N 11.65156 E 077.13572 7. Elakinalhankuttai N 11.63654 E 077.14667 8. Pasilingankuttai N 11.65039 E 076.93813 9. Devarkuttai N 11.75919 E 077.24043 10.Elathakuttai, Sathyamangalam N 11.56566 E77.18306	
Strengthening	Core Area: Maintenance of fire lines and firebreaks.	16.2.6	10.4.5	15.44	549.00	220.000 Formation of Fire line of 3 m width for prevention of extending fire to adjacent areas in Hassanur (40 km), Germalam (40 km), Thalimalai (40 km), Talawady (40 km), Bhavanisagar (40 km) and Sathyamangalam (20 km) Ranges * 5950.000 = 1309000.000 14.000 Conducting fire awareness camps in forest fire prone areas of the core area * 5000.000 = 70000.000 315.000 Engaging mazdoors for fire fighting operations in all Ranges @ 15 Mazdoors/event for	5950.00 5000.00 318.250	14.79	It is essential to maintain fire lines as the precautionary method to prevent spread of fire in large dry deciduous tracts in Core areas of STR. Hence, 220 km of fire line is proposed in previous fire vulnerable areas. It is essential to conduct fire awareness camp every year at vulnerable fringe villages in the form of street dramas, meetings and other activities to prevent forest fire & for coordination during forest fire occurrences. It is essential to mobilize local people for extinguishing fire in contiguous	

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						3 events per range (21 events) * 318.250 = 100248.750			large patch of forest to minimize fire burnt area in each fire occurrence.
Strengthening	Core Area: Maintenance of Forest Guard Quarters.	16.2.1	8.5.4.1	12	8.00	8.000 Improvement & repairs to Forest Guard & Watcher combined quarters in Hassanur & Sathyamangalam Division * 150000.000 = 1200000.000	150000.00	12.00	The Staff quarters constructed in Sathyamangalam Tiger Reserve are very old and need special repairs and improvements. All these buildings improvements are required to facilitate the stay of field personnel in their respective head quarters. Hence, these items are proposed. 1. Gejalati FW & FG Qtr, Bhavanisagar N 11.55350, E 76.99196 2. Dhimbam check post Fg&FwQtr, Thalamalai N 11.623661 E 77.129197 3. Chikkalli FR qtrs. N.11.72852 E 077.01751 4. Germalam East qtrs N 11.78006 E 077.22164 5. Honnathittu qtrs, Thalamalai N 11.61620 E 77.00585 6. Bungalow watcher qtrs Thalamalai N 11.61640 E 77.00595 7. Forester qtrs, Jeerahalli N 11.66094 E 076.92479 8. FG & FW qtrs, Hasanur N 11.67063 E 77.12950
Strengthening	Core Area: Maintenance of Gate/ Check- posts.	16.2.1	8.5.4.1	0.0	1.00	1.000 Improvement & repairs to Maharajapuram check post in Talawady * 150000.000 = 150000.000	150000.00	1.50	11.753358, 77.016787 Maharajapuram check post is one of the oldest check post and needs attached toilet for protection of duty staff and building maintenance. Hence proposed. Maharajapuram, Talawady N 11.753358 E 77.016787
Strengthening	Core Area: Maintenance of Hardware.	16.2.10	7.2.1.5	0.35	7.00	7.000 Annual Maintenance of Computer and peripherals in all Range offices of Core zone * 5000.000 = 35000.000	5000.00	0.35	It is essential for effective day to day functioning computers & other equipment in Range offices
Strengthening	Core Area: Maintenance of kuccha roads	16.2.2	10.3.7	6.0	64.00	64.000 Maintenance of existing old coupe roads / patrol roads and NTPF roads / approach roads etc., in core area * 10000.000 = 640000.000	10000.00	6.40	These existing coupe roads, patrol roads, NTFP roads & approach roads are highly essential for strengthening protection activities in interior areas and they have to be maintained every year since they are fare weather roads. 1. Hassanur to Manikkal-5Km N11.677360 E77.132040 2. Germalam to Suppanapatta 8 Km N11.748350 E77.181080 3. Hassanur to Aalamalakkovil 10Km N11.67930 E 77.12981 4. Periyakarayan to Manikkal 2 km N 11.676150 E 77.128600 5. Germalam to Bathiripadugai 10Km N 11.77956 E077.22192 6. Thalamalai to Sulthan Camp 4 Km N 11.603445 E 076.995475 7. Mainroad to Ramaranai 1 Km N 11.60069 E 077.641624 8. Kalidhimbam approach road 2 Km N 11.600129 E 077.111634 9. Mavantham approach road 1Km N 11.621260 E 077.096221 10. Varakkattu combal camp 1 Km N 11.513007 E 077.063606 11. Karikal mokkai camp 4 Km N 11.554433 E 077.129299 12. Honnathittu camp 1 Km N 11.615926 E 077.105001 13. Desandriakuttai 3 Km N 11.605679 E 077.039089 14. Shooting Lodge- Alagreakuttai 8 Km N 11.731750 E. 77.155230 15. Yettukalibetta road - 4 km N 11.72604 E 76.87820
Strengthening	Core Area: Maintenance of Range Office	16.2.1	8.5.4.1	0.0	1.00	1.000 Improvement & repairs to Forest Range Office Hasanur * 200000.000 = 200000.000	200000.00	2.00	11.671343, 77.129369 Range office Hasanur is constructed about 10 years ago and needs special improvement and repairs for protection of records and equipments and protecting from harsh weather conditions. Hasanur N 11.671343 E 77.129369
Strengthening	Core Area: Maintenance of Rangers Quarters.	16.2.1	8.5.4.1	4.0	1.00	1.000 Improvement & repairs to Forest Range Officer quarters in Bhavanisagar * 200000.000 = 200000.000	200000.00	2.00	11.47355, 77.13299 The Staff quarters constructed in Sathyamangalam Tiger Reserve are very old and need special repairs and improvements. All these buildings improvements are required to facilitate the stay of field personnel in their respective head quarters. Hence, these items are proposed. Bhavanisagar N 11.47355 E 077.13299
Strengthening	Core Area: Maintenance of Software.	16.2.10	7.2.1.5	12.48	12.00	9.000 Engaging computer operators for all ranges -9 Nos. (Including Forest protection	146500.000	18.51	It is essential to engage computer operators on monthly wages basis in all ranges for data entry,

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						squad of Sathyamangalam Division and Eco Range in Hasanur Division) * 148500.000 = 1336500.000 3.000 Engaging data entry operators in Field Director & Deputy Directors offices * 171600.000 = 514800.000	171600.00			documentation and official administration. Since, there are no sanctioned posts in these offices. Engaging computer operators for all ranges -9 Nos. (Including Forest protection squad office of Sathyamangalam Division and Eco Range in Hasanur Division) 1. Sathyamangalam 5 No's 2. Hasanur 4 No's The information received in FD & DDs office needs a qualified data entry operator with additional qualifications of GIS or MIS for data analysis from the field and preparation of reports on offence, fire, satellite imagery works & GIS mapping works. Engaging data entry operators in Field Director & Deputy Directors offices ? FD office 1 No ? DFO / DD Sathy office 1 No ? DFO / DD Hasanur office 1 No at Rs. 14300/ month
Mainstreaming wildlife concerns	Core Area: Monitoring of wild animals.	16.10.1.3	8.1.1.	0.0	14.00	14.000 Postmortem charges for safe disposal of carcass of larger mammals in Sathyamangalam and Hasanur Division. * 5000.000 = 70000.000	5000.00	0.70		It is essential to dispose large mammal carcass to prevent wildlife trade and prevention of diseases
Staff Development	Core Area: Capacity building and training.	16.8.1	8.4.2	0.40	2.00	2.000 Conducting training to frontline staff on wildlife ecology, conflict management and other current issues in the field * 25000.000 = 50000.000	25000.00	0.50		It is essential to update the knowledge of field staff to the current scenario for management effectiveness on different subjects.
Staff Development	Core Area: Specialized training in jurisprudence and wildlife forensics.	16.8.4	8.4.2	0.25	2.00	2.000 Conducting training on jurisprudence and wildlife forensics to uniform staff in coordination with judiciary * 25000.000 = 50000.000	25000.00	0.50		The Forest Range Officers and other uniform staff have to be given periodical training on wildlife forensics, offence detection and detention in coordination with crime control agencies and judiciary.
Staff welfare	Core Area: Maintenance of torch/ batteries	16.16	10.3	0.50	1.00	1.000 Maintenance of existing search lights, torches and batteries * 25000.000 = 25000.000	25000.00	0.25		As batteries are to be regularly maintained for their proper functioning and usage. It is proposed.
Habitat Improvement	Core Area: Removal of gregarious plant growth from grasslands	16.3	7.2.1.1.1.	1.5	10.00	10.000 Removal of weeds and other plant growth from native grasslands of Hasanur * 21000.000 = 210000.000	21000.00	2.10		It is essential for restoration of grasslands and fodder in original habitats in Hasanur Division at Rs. 21,000/Ha
Habitat Improvement	Core Area: Weed eradication	16.3	7.2.1.1.1.	27.3	225.00	75.000 Removal of invasive alien species like lantana, prosopis, sennaec from wildlife habitats * 10000.000 = 750000.000 150.000 First year maintenance works of invasive alien species removal area of 2017-18 * 5000.000 = 750000.000	10000.00 5000.00	15.00		For regeneration local and fodder species by removing 75ha of lantana and 75ha of prosopis in Hassanur and Sathyamangalam Divisions Removal of invasive alien species like lantana, prosopis, sennaec from wildlife habitats. 1. Sathyamangalam 15 Ha 2. Bhavanisagar 60 Ha 3. Hasanur 25 Ha 4. Germalam 25 Ha 5. Talavady 25 Ha It is essential to weed out secondary weeds after removal of Lantana & Prosopis like partenium, Euphorium etc in Hassanur and Sathyamangalam Divisions First year maintenance works of invasive alien species removal area of 2017-18 1. Bhavanisagar - 20ha. 2. Talamalai - 20 ha. 3. Sathyamangalam - 15 ha 4. Hassanur - 25ha. 5. T.N.Palayam- 15 ha 6. Talavady - 20 ha. 7. Germalam - 30 ha.

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Co-occurrence agenda in buffer	Core Area: Co-occurrence agenda in buffer and fringe areas (landscape approach, sectoral integration, ecologically sustainable development programmed, livelihood options and eco-tourism) (new activity in case of tiger reserves where buffer has not been notified so far).	16.5	13.3.14	1.5	22.00	20,000 Conducting awareness meetings and nature camps in schools and forest fringe villages regarding wildlife conservation, man animal conflict and other related issues to elicit public co-operation * 5000.000 = 100000.000 2,000 Erection of publicity and awareness boards in village fringes, roads, public places * 25000.000 = 50000.000	5000.00 25000.00	1.50	These meeting with forest fringe villagers, students & other stake holders will encourage better rapport with the Department and help in better management of Tiger Reserve. It is essential to display public awareness boards, about conservation & Departmental activities to gain good will of people towards eco-development & support from public in human dominated sathyamangalam landscape.
Total (Recurring):								331.58	

(Rs. In Lakhs)

S. No.	Items	Sanction	Central Assistance
1.	Non-Recurring (60%)	291.61	174.96
2.	Recurring (50%)	331.58	165.79
Total		623.19	340.75

(Rs. In Lakhs)

Cost of APO including State's share	A	623.19
Center's share in APO	B	340.75
1 st release @ 80% of Center's share	C=0.8*B	272.60
Less: Unspent balance FY 17-18	D	3.618
Adjusted 1 st release	E=C-D	268.982
2 nd release @ 20% of Center's share	F=0.2*B	68.15

* 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.