

No. 4-1(31)/2016-PT
Government of India
Ministry of Environment, Forest and Climate Change
Project Tiger Division

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Dated the 14th September, 2016

To,

The Sr. 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 Mudumalai Tiger Reserve, Tamil Nadu during 2016-17.

Sir,

I am directed to convey the administrative approval of the competent authority to the continuance of the Scheme 'Project Tiger' in Mudumalai Tiger Reserve, Tamil Nadu at the cost of **Rs. 526.437 Lakhs (Rupees Five hundred Twenty Six Lakhs Forty Three thousand Seven hundred only)** as per details given in the annexure. Of the total cost of the scheme, Rs. 318.002 lakhs being the recurring cost of the scheme will be shared on 50:50 basis by the **Government of India** and the **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. 207.04 lakhs (Rupees Two hundred Seven Lakhs Four thousand only)** (after adjustment of unspent amount of **Rs. 17.382 Lakhs** of previous financial year 2015-16) including of 10% flexi-fund to the State Government towards the Grants-in-aid to Government of Tamil Nadu during the current financial year 2016-17. 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 2005, 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 **Mudumalai 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 208(6)(iv)(a).
- (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 **Mudumalai 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 Utilisation 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 **Mudumalai Tiger Reserve** may furnish their performance-cum-achievement report alongwith Utilisation Certificate in prescribed format on or before 31.3.2017.
 - (x) **Mudumalai 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 2016-17 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 **Mudumalai Tiger Reserve** will maintain a separate account and will present their annual accounts in the standard format as required under GFR 209(xiii).
 - (xiv) Grants-in-aid shall be utilized for **Mudumalai Tiger Reserve** strictly as per the Memorandum of Understanding (MOU) between the Ministry of Environment, Forest and Climate Change, acting through the National Tiger Conservation Authority, Field Director (Mudumalai 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) Payments are made by bank transfer and no cash payment is to be made.
 - (xxii) GFR is followed by implementing agency alongwith the economic instructions issued by Government of India from time to time.



- (xxiii) Satellite photo with date and latitude and longitude nodes after completion of work depicting the work carried out before and after the work to be uploaded in the website of the State Government and Centre for public viewing.
- (xxiv) The UCs with photographs and progress report are to be uploaded in the website of the State Government and Ministry for public viewing.
- (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 of employees shall be furnished.
- (xxvii) UC is to be submitted as prescribed in GFR.
- (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 G&AG.
- (xxxiii) All guidelines under the project is to be followed scrupulously.
- (xxxiv) 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. are required to be depicted in the progress report.

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 Planning Commission and 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 for implementation of National Tiger Conservation Authority shall 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. **Further, Ministry of Finance, D/o of Expenditure, Plan Finance-II Division, vide O.M.No.55(5)/PF.II/2011 dated 06-01-2014, has introduced a flexi fund component within the Centrally Sponsored Schemes (CSS) to achieve the following objectives:**

- i) **To provide flexibility to States to meet local needs and requirements within the overall objective of each programme or scheme;**
- ii) **To pilot innovations and improved efficiency within the overall objective of the scheme and its expected outcomes;**



- iii) To undertake mitigation/restoration activities in case of natural calamities in the sector covered by the CSS.

The flexi-fund will be utilized by the State Government as per the guidelines issued by the Ministry of Finance, Government of India, read with guidelines of the Centrally Sponsored Scheme of Project Tiger in vogue, for utilisation in the tiger reserve.

8. 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.

9. The expenditure involved will be met from within the Sanctioned Budget Grants of Centrally Sponsored Project tiger Scheme under Demand No. 27, Ministry of Environment, Forest and Climate Change, Major Head 3601 – Grants-in-aid to the State Governments, 3601.02- Grants for State Plan Scheme, 3601.02.659-Environmental Forestry and Wildlife – Wildlife Preservation, 3601.02.659.04-Integrated Development of Wild Life Habitats, 3601.02.659.04.03- Project Tiger, 3601.02.659.04.03.31- Grants-in-aid General for the year 2016-17 (Plan).

10. This issues under the powers delegated to the Ministry and with the concurrence of Integrated Finance Division vide Dy. No. 517/AS & FA dated 30.08.2016.

Yours faithfully,


(Sanjay Kumar)
Deputy 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 2016-17 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, Mudumalai Tiger Reserve, Tamil Nadu.
5. The Accountant General, Tamil Nadu.
6. The Director of Audit, Scientific Department, AGCR Building, IP Estate, New Delhi.
7. The IG, 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.


(Sanjay Kumar)
Deputy Inspector General of Forests (PT)

**MUDUMALAI TIGER RESERVE, TAMIL NADU
ANNUAL PLAN OF OPERATION FOR THE YEAR 2016-17**

(Rs. in Lakhs)									
Sl. No.	Item of works	TCP Chapter/ Para No.	Previous Year Details 2015-16		Current year proposal 2016-17			GPS Co-ordinates	Justification
			Financial		Location	Physical target	Financial Target (Rupees in Lakhs)		
			Target	Achievement					
NON RECURRING CORE									
I. ANTIPOACHING ACTIVITIES									
1	Deployment of Tiger Protection Force antipoaching squad	10.2	9.720	5.553	MTR	18 nos. x 12 months @ Rs.6750/each	14.580		This squad is an essential part of anti-poaching operations with an element of surprise, as, they are deployed in vulnerable locations based on intelligence gathered/ received
2	Legal support for defending court cases including legal fees and other miscellaneous charges.	10.5	1.000	0.305	MTR	.LS	1.000		Payment of legal fees and misc. expenses towards conduct of court cases including legal charges arise in relocation matters etc.,
3	Supply of field uniform and shoes to anti-poaching team for 95 anti-poaching watchers	4.1	--	--	MTR	95 Nos @ Rs.5000/-	4.750		There are 95 APW's engaged as per sanction accorded by the Govt. For effective perambulation and safety of APW's uniform sets and shoes are required to be supplied to the APW's and to ensure their efficient working conditions.
II Construction of building									
4	i) Construction of a quarters for Forest Guard with driving licence.	4.7	10.000	10.00	MTR	1 No @ Rs.11.00 lakhs each	11.000	Mudumalai Range. Lower Kargudi N 11.57325 E 76.55627	5 posts of Forest Guard with driving licence have been sanctioned. Four quarters were already constructed as on 2015-16. Hence this proposal is for remaining one quarter which is essential for focused protection. Approved type design will be adopted with a plint area of 40.40 sqm.
	ii) Construction of Forest Range Office building for Nellakottai Range	4.7			MTR	1 No @ Rs.15.00 lakhs each	15.000	Nellakottai Range at Mukkatty. N 11.56204 E 76.38317	Presently the Range Office building is functioning in a portion of the residence Forest Range Officer. A separate building is needed for office building so that the family reside with due privacy. Approved type design will be adopted with a plint area of 64.80 sqm.
5	Conducting tiger monitoring as per Phase IV protocol	9.2	4.000	4.000	MTR	LS	10.000		Monitoring is the most important annual exercise. Protocols of Phase IV monitoring has to continue by deploying camera traps, collecting images from the entire core area, conducting prey-base survey(both pre-monsoon and post-monsoon), analysing data, including logistics / cost of transport / fuel, training, engaging personels like Data entry operators and other consumables, software update,etc.
i)	Logistics L.S Rs.8.00 Lakhs	9.2							
ii)	Data Entry Operators - 1 No @ Rs. 15950/- each with 10% escalation over the previous year rate of Rs.580/- Rs.1.914 lakhs	9.2							



.ii)	Biologist - 1 No @ Rs. 24000/- each as per JRF scale. Rs.2.88 lakhs	9.2							
iv)	Cost of consumables Rs.2.706 lakhs	9.2							
III Human Resource Development									
6	Project allowance as per the guidelines of CSS-PT pay for all employees of staff permitted by GOI.		13.000	11.000	MTR	246 personnel	15.000		Project allowance to the officers and staff from 1.4.2007 at the approved rate by NTCA @ Rs.2000/- for Field Director, Rs.1500/- for Deputy Director, Rs.1000/- for Range officers and FVAS, Rs.900/- for Foresters, Rs.700/- for Forest Guards, Forest Watchers, drivers, Elephant men, Rs.1000/- for Ministerial staff Class II, Rs.700/- for Ministerial staff Class III and Rs.400/- for Class IV staff and other support staff are being paid as per NTCA guide lines
IV Addressing Man-Animal Conflict									
7	Engaging anti- depredation watchers to drive wild animals from Agri land.	5.4			MTR	20 Nos x 12 months @ Rs.6750/-	16.200		In Gudalur Forest Division more man-animal conflicts happen frequently. During man-animal conflict issues watchers are deployed from Mudumalai Tiger Reserve to drive the wild animals from human habitation and agri lands. Hence this provision is made.
8	Payment of compensation for crop depredation, injury or loss of human life due to wild animals	5.4	2.000		MTR	LS	2.000		To compensate the loss incurred on depredation caused by wild animals and thereby minimise man animal conflict issues.
9	Logistics for gathering informaton and rewards to informants.	10.5	0.500		MTR	LS	0.500		This item is essentially required to keep tab on movement of wild animals near human dwellings. Also, to track unknown persons, habitual offenders, so that protection work/system is dynamic.
IV Strengthening of infrastructure									
10i	Purchase of GPS related accessories	8.4	1.500	1.50	MTR	4 Nos @ Rs.25,000/-	1.000		GPS are required for the field staff for monitoring location. The total requirement is 83. 39 are available in this unit. Remaining are proposed in phased manner annually. Hence proposal is for 6 Nos.
ii	Purchase of Cameras	8.4			MTR	4 Nos @ Rs.50,000/-	1.000		Existing cameras are used in Anti-poaching camps for monitoring the Anti-poaching and protection activities. 4 cameras are required for monitoring the overall activities in the Ranges.
iii	Purchase of video Cameras	8.4			MTR	4 Nos @ Rs.50,000/-	1.000		One video camera is available in this unit. 4 video cameras are required for monitoring the overall activities in the Ranges.
11	Procurement of wireless equipments	10.3	1.000	0.312	MTR	30 Nos (Battery, Antena etc.,) @ Rs.10,000/-	2.000		Communication infrastructure needs periodic maintenance / replacements for continuous and seamless functioning, which is the life-line of tiger protection operations
12	Procurement of Rescue operation kits and accessories for treating wild animals	12.3	0.600	0.600	MTR	1 No @ Rs.1.00 lakh	1.000		To address an effective rescue operation in case of any rescue, kits including other accessories are essential on annual basis in caring the wild animals.

13	Procurement of Post-mortem kits and accessories for wild animals.	12.3	0.400	0.400	MTR	--				
14	Procurement of Camera trap	12.3			MTR	50 Nos @ Rs.30,000/-	10.000		Monitoring is the most important annual exercise. Protocols of Phase IV monitoring has to continue by deploying camera traps.	
15	Procurement of Computers	12.3			MTR	02 Nos @ Rs.50,000/- each	1.000		For Monitoring of phase IV exercise including preparation of copies etc., from head office computers are required	
16	Procurement of Printer cum xerox machine	12.3			MTR	01 Nos @ Rs.1.00 lakh	1.000		For Monitoring of phase IV exercise including preparation of reports etc., from head office printer cum xerox machine are required	
17	Improvement of shelter for sick elephants	12.2	1.000	1.00	MTR	--				
V Providing visitors facilities										
ii	Providing digitized information with audio/visual system in waiting hall for visitors.	11.3	1.000			1 No. @ Rs.1.00 lakh	1.000		Providing LCD TV with accessories in Reception hall for the benefit of the visitors for creating awareness on nature conservation and education.	
20	Renewal / maintenance of awareness boards/publicity materials in tourism zone.	11.3	1.000	1.00	--	--				
VI Co-existence agenda in buffer/fringe areas (landscape approach/sectoral integration ecologically sustainable development programme/ livelihood options / Eco-tourism)										
VII Staff Welfare activities										
21	Provision of Torches, Medical kit, Uniform, rain coat, hunter shoes etc., for regular staff	8.5	2.200	2.20	MTR	197 Nos @ Rs.6,000/each	9.850		Supply of these provisions to the regular staff would be a morale-booster for them for efficient working in remote forest area and taking-up effective patrol work. Materials like Torches, Medical kit, Uniform, rain coat, hunter shoes etc., will be procured.	
22	Conducting medical screening camps and taking up further treatment for the subordinates	8.5	1.000	1.00	MTR	10 camps @ Rs.10,000/each	1.000		To monitor the health status of subordinates and follow-up on treatment which would result in improved work efficiency.	
23	For providing recreation facilities, including sports facilities for the staff and their families	8.5	0.600	0.60	MTR	LS	0.600		It is proposed to provide recreational facilities to families living in the reserve, such as, sports articles, Gym materials etc., to ensure physical fitness and encouragement.	
VIII Fire control										
24	Creation of new firelines in vulnerable areas	10.4	7.150	5.72	MTR	150 km (30 mandays x 320.25 = 9608.00)	14.412	.11.58161 .76.63887 .11.57940 .76.63380 .11.38063 .76.24417 .11.37002 .76.26435	New fire lines need to be created in vulnerable area and also along elephant path to contain damage by fire thereby protecting habitat of the tigers and other wildlife.	

25	Providing ration allowance to staff in Mudumalai Tiger Reserve	8.5	13.000	11.000		188 personnel @ Rs.860 x 12 months = 19.400 lakhs	19.400	As per Govt. of India Ministry of Environment Forest and Climate change (NTCA) notification No.15-31/2012-NTCA, dt.06-06-2014 (NTCA Ref.No.12-7/2010, dt.31-07-2014) ration allowance is sanctioned to Forester, Forest Guards and below, working on regular payrolls at field level in Tiger Reserves @ Rs.860/- per month as approved by Government of India.	
Total							154.292		
NON RECURRING BUFFER AREA									
I Addressing Man-animal conflict (Ensuring uniform timely compensation for human deaths due to wild animals, live stock Depredation by carnivores, crop depredation by wild ungulates)									
1	Payment of compensation for crop depredation. Injury or loss of human life due to wild animals-LS		1.000	0	MTR	LS	1.000	To compensate the man animal conflict issues.	
II Staff development and capacity building (HRD plan)									
2	Capacity building and training of the staff with the help of specialized institution.		0.500	0.200	MTR	LS	0.500	During 2015-16 Advance Wildlife Management Training Centre has been developed in elephant camp at Theppakadu, Mudumalai Tiger Reserve with the assistance of State fund. This Centre has been exclusively formed for giving various training including Wildlife Management training and skill development to local staff and also staff from other parts of state etc.,	
TOTAL NON-RECURRING BUFFER							1.500		
GRAND TOTAL NON RECURRING CORE + BUFFER							155.792		
RECURRING CORE AREA									
I Anti-Poaching									
1	Establishment of Highway patrolling squads within the Project Tiger area with the help of local people	10.3	2.430	2.430	MTR	2 Nos x 12 months (1 Temporary Driver, 3 patrolling watchers) @ Rs.30,000 per month	7.200	To undertake patrol along the NH and state Highways passing through the Tiger Reserve and to prevent incidents of poaching, littering, feeding wild animals, etc.,	
2	Engaging Anti-poaching watchers in core area	10.3	68.040	40.369	MTR	95 Nos x 12 months @ Rs.6750 per month	76.950	Anti-poaching watchers are engaged predominantly from tribal communities, who are the mainstay behind successful protection status of MTR.	
3	Equipping Antipoaching camps by providing ruck sacks, powerful torches, chargers, cots etc.,	10.3	2.000	2.000	MTR	22 Camps @ Rs.10,000/each	2.200	Anti-poaching camps are to be well equipped with minimum requirement. Hence the provision is made.,	
4	Engaging trackers / watchers for monsoon patrolling, elephant patrolling in vulnerable areas				MTR	1000 mandays @ Rs.320.25 per manday	3.203	During monsoon patrolling, elephant patrolling additional labours are required to assist frontline staff and Anti-poaching watchers.	

5	Secret service fund and rewards for all category of staff and incentives for gathering intelligence (logistics for gathering information and rewards to informants	10.5	0.500	0.00		LS	0.500		Gathering intelligence through surveillance of suspects and vulnerable locations is essential
II Fire Control									
6	Annual maintenance of firelines including block line state boundary and animal paths.	10.4	35.730	35.730		800 km (30 mandays x 320.25 = 9608.00	35.730		Maintainance of fire lines is an essential work to avoid spread of fires in existing firelines. The existing network of firelines will be cleared and scrapped as a barrier for fire.
7	Engaging fire watchers 100 Nos. x 4 months	10.4	12.150	12.150	MTR	100 Nos x 4 months @ Rs.6750/-	27.000		To perambulate vulnerable areas and to bolster fire-fighting operations additional watchers are engaged during fire-season.
9	Maintenance of fire control room including provision of water, communication charges, energy food etc.,	10.4	2.000	2.000	MTR	1 No @ Rs.2.00 lakhs	2.000	Mudumalai Range. Theppakkadu N 11°57'953" E076°58'035"	Essential to run a centralised "Control room" to monitor protection status and undertake immediate response / providing required assistance on crisis situations.
10	Additional diesel for the vehicles during fire season-LS	10.4	2.000	2.000	MTR	LS	2.000		Additional fuel is required to patrol vulnerable areas more frequently to monitor fire incidents. Private vehicles in addition to dept. vehicles would also be engaged as and when situation arise.
11	Cost of office stationeries in the office of Field Director and preparation / printing of draft Tiger Conservation Plan for the period from 2017-2018 to 2021-2022	4.7	3.000	3.000		LS	3.000		Additional office stationeries are required for preparation of returns, reports, plans, etc., to be sent to the NTCA. Further the Tiger Conservation Plan will be in operation upto 2016-17 for further period of 5 years the TCP has to be revised. Hence provision is also made for this.
III Improvement/Upgradation/ Maintenance of existing buildings									
12	Maintenance of office equipments like Computer, Xerox Machine, Printer, UPS and other equipments etc.,	4.7	3.000	3.000		LS	1.500		Maintenance of office equipments are required for proper functioning and reporting
13	Engaging computer operators 8 Nos for 12 months @ Rs. 580- with 10% escalation per day as per Collector of Nilgiris Proc. No.B1/ 22956/ 2012, dated.21.08.2014.	4.7	3.480	3.480	MTR	8 Nos x 12 months @ Rs.15,950/-	15.312		Since the system of work depends on Computers, Computer operators are required for entry of data on day to day activities including monitoring, office correspondence, including pay bills and bill payment of Treasury mode, filing online APO, online monitoring of Forest guidelines and other online works etc., due to acute dearth of permanent office staff in the following offices. 1) CCF & FD Office 2 Nos. 2) Mudumalai Range - 1 No. 3) Masinagudi Range - 1 No. 4) Kargudi Range - 1 No. 5) Theppakkadu Range - 1 No. 6) Nellakottai Range - 1 No. 7) Reception Range - 1 No.
15	Providing drinking water facilities to staff quarters, rest houses, Pattavayal checkpoint and offices.	4.7	3.000	3.000	MTR	5 Nos @ Rs.2.00 lakhs	10.000	1) Theppakkadu Forest Colony 2) Upper Kargudi rest house 3) Mudumalai Range Office 4) Nellakottai Forest Colony. 5) Head office at Ooty	To provide portable water to frontline staff working in reserve and supply of water to forest colony, rest houses and antipoaching camps, office building etc., with necessary pipeline ground level water tank / over head water tank, borewell including renewal of existing facilities and accessories

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IV Habitat improvement and water development								
16	Improvement of waterholes	9.3	3.000	0.000	MTR	6 Nos @ Rs.2.00 lakh	6.000	Existing waterholes need maintenance to increase water-holding capacity. Many existing water holes have not been maintained for long period. To meet out water requirement for wildlife during dry season these water holes to be appropriately maintain for restoring water.
17	Providing water to wildlife during pinch period	9.3	2.000	0.000	MTR	5 trips @ 10000 liters average per day for 80 days in 4 months @ Rs.1200/- per trip	5.400	Mudumalai is prone for dryness due to nature of forest that is dry deciduous. Therefore period of in sufficient rain fall, the water becomes scarce for the wildlife during pinch period. Therefore to carter water for wildlife water is poured in water troughs created for the purpose by transporting water to the troughs in the reserve, including cost of water and transport through private trucks. These water can received about 50,000 lit. per day on average.
18	Maintenance of habitat by continuous removal / working of exotic weeds working including removing remnant and new recruits of weeds like Lantana etc.,	9.3	4.160	4.160	MTR	300 Ha 35 mandays x 320.25 =11,209/ ha	11.209	Exotic weeds like <i>Lantana</i> were removed during the previous year under various schemes and need these to be continuously worked for three subsequent years for effective removal of weeds (FSL was approved in PCCF. Ref.No. TS1/30403/2013, dt.21-10-2014)
20	Immunization of domestic animals in the villages	9.3	0.500	0.479	MTR	LS	1.000	To carry out immunization work in fringe villages to avoid spread of diseases from domestic cattle to wild animals
21	Fresh removal of invasive species, Lantana, Opentia, Tithonium etc.,	9.3	14.880	14.880	MTR	250 Ha @ (100 Mandays x Rs.320.25 = 32,025/ha	16.012	Removal of exotics, like <i>Lantana</i> , is aimed at not only creating pasture lands distributed all over the reserve - for even distribution of prey animals - but also serve as majore fire breaks and create "corridors" for dispersal of animals and additional patrol paths with respect to carrying capacity in approved Tiger Conservation Plan. (FSL was approved in PCCF. Ref.No. TS1/30403/2013, dt.21-10-2014)
22	Management of Vayals for restoring grass lands and augmentation of water etc. by fresh removal of exotic weeds.	9.3	0.000	0.000		100 Ha @ (100 Mandays x Rs.320.25 = 32,025/ha	6.405	Removal of exoticc weeds in vayal area to creat water resource for herbivores and carnivores. (FSL was approved in PCCF. Ref.No. TS1/30403/2013, dt.21-10-2014)
23	Construction waterholes / percolation pond	9.3	0.000	0.000		1 No @ Rs.10.00 lakhs	10.000	1) Masinagudi N 11.58251 E 76.62518 This construction is essential to create water resource in Core area, especially in Masinagudi where the dry condiction is evident.
V Eco-tourism								
24	Engaging Eco-sanitary watchers	11.3	2.430	2.430	MTR	20 Nos x 12 months @ Rs.6,750/-	8.100	To maintain eco-friendly nature of the area in tourism zone by cleaning the area, especially along highways, to remove litter and plastics and also to create awareness about wildlife and nature among tourists. In the following Ranges. 1) Theppakkadu Range - 10 Nos. 2) Kargudi Range - 5 Nos 3) Masinagudi - 5 Nos.
25	Engaging Eco-guides	11.3	2.430	2.430	MTR	3 Nos x 12 months @ Rs.6,750/-	2.430	Create awareness about wildlife and nature among tourists. Theppakkadu Reception Centre and Interpretation centre.

26	Engaging educated youth in interpretation center	11.3	3.480	3.480	MTR	1 Nos x 12 months @ Rs.15,950/-	1.930	Educated youth are to be engaged in the recently developed advance wildlife training centre at Elapjhtn camp, Theppakkadu and also in nature camp near by to educate visitors on displays and interactive modules regarding tiger and its habitat
26	Renewal / maintenance of awareness boards/publicity materials in tourism zone.	11.3			MTR	L.S	1.000	Roads such as Highways, Major District roads are passing through Mudumalai Tiger Reserve. Visitors / public including local people, people from other parts of country as well as foreigners etc., are visiting in huge nos. Therefore to create awarenss on conservation / caution messages among the visitors the existing boards need to maintained appropriately with renewal, re-painting etc.,
VI	Human Resource Development							
27	Conducting medical camps in the fringe villages.	5.3	1.200	1.200	MTR	10 camps @ Rs.12,000/-	1.200	1) Mavanallaha, 2) Masinagudi 3) Moyar 4) Anaikatty 5) Siriyur 6) Muduguli 7) Chemmanatham 8) Boothanatham 9) Vazhalthottam 0) Theppakkadu To enlist support of fringe villages in wildlife management it is essential to conduct these medical camps, and give free treatment in our dispensary.
VII	Addressing Man-Animal Conflict							
28	Maintenance of elephant proof trenches.	10.6	2.500	2.500		5 Kms @ Rs.50,000/-	2.500	To control the possibility of man-animal conflict by elephants, the existing EPT is to be maintained properly by clearing silted soil and bushes to restore to its original condition. There are about 40 Km length of EPT available. The maintenance would be carried out covering the entire stretch and wherever required.
VIII	Main streaming Livelihood and Wildlife concerns in Forests outside Tiger Reserves and Fostering corridor conservation through restorative strategy involving locals to arrest fragmentation of habitats							
29	Rescue Operation, including Elephant driving operation in the fringes.	12.3	2.000	2.000	MTR	LS	3.000	Though man animal conflicts are occasional in and around Mudumalai Tiger Reserve, the issue need to be addressed immediatly. To carryout antidepredation measure on arise of such occasion kumkies have to be deployed along with labour, equipment, etc., for transport of Kumkies and logistic to be provided. Hence this provided is made.
30	Procurement of tranquilizing equipment and medicines	5.4	2.000	2.000	MTR	LS	3.000	Tranquilising equipments, including medicines required is a <i>sine qua non</i> for mangement of departmental elephants and also marauding wild animals.
IX	Strengthening of infrastructure within Tiger Reserve							
31	Strengthening of Watch Tower for monitoring of fire and other illegal activities	10.4	0.000	0.000	MTR	5 Nos @ Rs. 2.00 Lakhs/ each	5.000	1) Theppakadu Range - 2 Nos. 2) Masinagudi Range - 1 No. 3) Kargudi Range - 1 No. 4) Mudumalai Range - 1 No. The watch towers established for monitoring for fire and other illegal activities have to be maintained appropriately for continuous effective operation. The work such as painting of structures, including minor repairs, maintenance of EPT and other equipment / accessories etc., Five such watch towers are proposed on priority.

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32	Maintenance of fair weather roads including repairing of bridges, culverts and reformation of side drains etc.	10.3	5.000	5.000	MTR	8 Kms @ Rs. 15.00 Lakhs/km	16.000	1) Kakkannallah - Mudumalai road 2) Mandradyar road 3) Theppakkadu - Mudumalai road	A network of roads across the length and breadth of the Reserve is more than 300 km for protection purpose and tourism. These roads are maintained as Fair-weather roads with WBM layers, side drain including repairs to small bridges and causeway etc., for faster movement. The maintenance will be carried out on priority of damage in the roads in phased manner.
33	Maintenance of vehicles (jeep, lorry) including lubricants	11.3	2.000	2.000	MTR	10 Nos. @ Rs.50,000/-	5.000		Needed to keep vehicles in good shape and condition for efficient transport
X	Staff development and capacity building (HRD Plan)								
35	Conducting training in various aspects to the staff with the help of specialised personnel / institution	8.4	1.000	0.059	MTR	LS	1.000		During 2015-16 Advance Wildlife Management Training Centre has been specialised in elephant camp at Theppakkadu, Mudumalai Tiger Reserve with the assistance of State fund. This Centre has been exclusively formed for giving various training including Wildlife Management training and skill development to local staff and also staff from other parts of state etc.,
36	Study tour to other Tiger Reserves to get exposure to good practices in tiger conservation	8.4	1.000	0.500	MTR	LS	1.000		Needed to absorb new initiatives from practices in other tiger reserves for further development of the reserve.
37	For conducting eco-awareness camps for students and conservationists and people in various activities remuneration	11.3	1.000	1.000	MTR	10 camps @ Rs.20,000/-	1.000		To create awareness among students and public this annual program is conducted.
XI	Staff Welfare activities								
38	Improvements and maintenance to Staff quarters	8.5	10.000	10.000	MTR	12 Nos @ Rs.1.00 lakhs each	12.000	IPS reading enclosed in separate sheet	Buildings for housing the subordinates are pretty old and need upgradation for their upkeep. The works include renewal of floors with tiling, upgrading bathroom and toilet facilities, re-arrangement electricals, repairs to joineries and other minor repairs to the structures including painting the buildings etc., the amount has been provided to have flexibility to the actual estimate cost.
39	Improvement and maintenance of non residential buildings such as store shed and garage etc.,	4.7	3.000	3.000	MTR	1 No. @ Rs.5.00 lakhs (store shed)	2.000		The non residential especially store shed at upper kargudi and garage at Theppakkadu which are pretty old and are required to be maintained for efficient functioning and to ensure their durability. The works include renewal of floors with tiling, re-roofing with GCI sheet and Mangalore tiles over purlins and rafters, upgrading bathroom and toilet facilities re-arrangement electrical, repairs to joineries and other minor repairs to the structures including painting the buildings etc.,
XII	Strengthening of infrastructure								
40	Improvement and maintenance in existing veterinary centre at Elephant camp at Theppakkadu	4.7	2.000	2.000	MTR				

41	Provision of LPG for elephant camps	12.1	10.000	2.047	MTR	4 camps @ Rs.0.50 lakhs each	3.000	On an average 2 LPG cylinders (commercial) would be consumed per day. Therefore the cost includes (@0.027x365 days= Rs.10.00 Lakhs.
TOTAL RECURRING CORE							311.781	
RECURRING BUFFER								
1	Anti poaching							
1	Anti poaching operations for camps in and buffer area 9 camps.	---	1.620	1.485	MTR	2 x 10 months @ Rs.6750	1.620	Anti-poaching watchers are engaged predominantly from tribal communities, who are the mainstay behind successful protection status of MTR.
II	Habitat improvement and water development							
2	For the supply of water for wildlife during pinch period.	---	1.000	0.583	MTR	L.s	1.000	The buffer area is prone to annual dry conditions .Hence the provision
III	Fire control							
3	Engaging fire watchers	---	1.350	0.508	MTR	500 mandays x @ Rs.320.25	1.601	Temporary Fire Watchers have to be engaged in the vulnerable period from December to March to protect the forest wealth from the fire occurrence in the Tiger Reserve. It provides not only gainful employment opportunity to the local people, but also ensures local people participation, especially from the abutting villages, which many a times otherwise are the major causes of fires.
IV	Research, Providing equipments (Camera traps, GPS, etc.), Computer soft ware, All India Estimation of Tiger Co-predators/Prey animals Habitat Monitoring and Evaluation.							
4	Research and survey operation for vulture conservation.	---			MTR		2.000	Conducting research work for the reserve management and survey operation for vulture conservation. There are three vulture population sites in Buffer area. To watch the movement of vultures trackers are required. To create aware about non-usage of diclofenac in domestic animals which will protect vultures. Conducting workshop is essential to get new ideas for conservation of vultures.
a)	Engaging trackers to watch nests in two vulture areas 1 No x 2 = 2 Nos x 12 months @ Rs.6750/- per month = Rs.1.62 lakhs		1.620	1.620				
b)	Conducting awareness camps to farmers and students about vulture conservation 5 camps @ Rs.20000/- per camp = Rs.1.00 lakh		1.000	1.000				
c)	Conducting workshop about vulture conservation L.S Rs.1.00 lakh		1.000	1.000				
d)	Providing transport facilities, logistics etc., L.S. Rs.0.38 lakhs		0.380	0.180				
TOTAL RECURRING BUFFER							6.221	
TOTAL RECURRING (CORE+BUFFER)							318.002	
GRAND TOTAL NON RECURRING CORE + VILLAGE RELOCATION + BUFFER							473.794	

(Rs. In Lakhs)

S.No.	Items	Sanction	Central Assistance
1.	Non-Recurring (60%)	155.792	93.475
2.	Eco development (60%)	--	--
3.	Recurring (50%)	318.002	159.001
4.	Sub Total	473.794	252.476
5.	10% Flexi-fund (x/9)	52.643	28.052
6.	Total (X)	526.437	280.528
7.	Adjustment of balance of previous year 2015-16 including amount to be adjusted due to revised funding pattern (17.382+Nil)	17.382	17.382
8.	Grand Total	509.055	263.146

(Rs. In Lakhs)

Cost of APO including State's share (including Flexi Fund)	A	526.437
Centre's share in APO (without Flexi Fund)	B	252.476
FF on Centre's share	C=B/9	28.052
Centre's share including FF	D=B+C	280.528
1 st release @ 80% of Centre's share	E=0.8*D	224.422
Less: Unspent balance FY 15-16 including amount to be adjusted due to revised funding pattern	F	17.382
Adjusted 1 st release including FF	G=E-F	207.04
2 nd release @ 20% of Centre's share	I=0.2*D	56.106
Total release towards APO in FY 16-17	J=(9/10)*(G+I)	236.832
Total release towards FF in FY 16-17	K=(1/10)*(G+I)	26.314
Grand total release in FY 16-17	L=G+I	263.146
Total effective release including USB	L+F	280.528
Effective release for APO activities	J+0.9*F	252.476
Effective release for FFs	K+0.1*F	28.052

* Ecodevelopment 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 the tiger reserve and the local people.

