

No. 4-1(31)/2020-PT
Government of India
Ministry of Environment, Forest and Climate Change
Project Tiger Division

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Dated the June 25, 2020

July 01, 2020

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 Mudumalai Tiger Reserve, Tamil Nadu during 2020-21 –reg.**

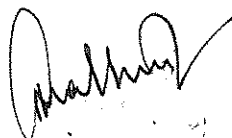
Sir,

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. 1141.37 Lakhs (Rupees One thousand One hundred Forty One lakhs Thirty Seven thousand only)** as per details given in the table at Annexure. Of the total cost of the Scheme, **Rs. 816.41 Lakhs (Rupees Eight hundred Sixteen lakhs Forty One 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.

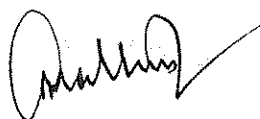
2. I am also directed to convey the sanction of the President to the payment and release of an amount of **Rs. 301.53 lakhs (Rupees Three hundred One lakhs Fifty Three thousand only)** as the 1st installment of Central Share towards the Grants-in-aid to Government of Tamil Nadu during the current financial year 2020-21. 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 **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 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 **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, 1971 as amended from time to time.
- (vii) The accounts of the Project Tiger Scheme shall be open for inspection by the sanctioning authority and audit, both by the Comptroller & Auditor General of India under the provision of C&AG (DPC) Act, 1971 and internal audit party by the Principal Accounts Office of the Ministry whenever it is called upon.
- (viii) The Utilization Certificate against the earlier funds released under Grants-in-aid have been received and accepted by the competent authority.
- (ix) Government of Tamil Nadu in respect of **Mudumalai Tiger Reserve** may furnish their performance-cum-achievement report on or before 31.3.2021.
- (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 2020-21 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 230(5).
- (xiv) Grants-in-aid shall be utilized for **Mudumalai 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 (**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) The expenditure is incurred as per the allocation of funds.

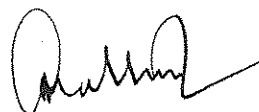


- (xxii) Payments are made by bank transfer and no cash payment is to be made.
- (xxiii) Funds will not be diverted for any item other than specified herein.
- (xxiv) Funds to be spent only on items approved in TCP.
- (xxv) Funds for POL / maintenance of vehicles would be admissible only for the vehicles purchased from CSS funds.
- (xxvi) Compensation for loss due to wildlife is to supplement the State Government fund as per the rules of State Government.
- (xxvii) GFR is followed by implementing agency alongwith the economic instructions issued by Government of India from time to time.
- (xxviii) Satellite photo with date and latitude and longitude nodes after completion of work depicting the work carried out before and after the work.
- (xxix) Evidence of deposit of TDS/Service Tax in case of contract payment and CST in case of leviable goods are sent along with UC.
- (xxx) In case of employment through contract, copy of PF & ESI contributions of employees shall be obtained wherever applicable.
- (xxxi) All measurable outcome of this grant must be mentioned in the sanction order and UC is to be submitted as prescribed in GFR 2017 – Form GFR 12-C.
- (xxxii) If the implementing agency does not use the fund for the purpose for which it was given, it has to refund the same with interest.
- (xxxiii) There should not be any overlapping of activities under the projects with the activities of ongoing schemes under CSS/CS/State Government Scheme.
- (xxxiv) The sanction order must mention measurable physical parameters and all measurable parameters are to be adhered to.
- (xxxv) The fixed asset created out of this grant shall not be disposed off without concurrence of this Ministry.
- (xxxvi) A separate bank account shall be opened for Centrally Sponsored Scheme of Project Tiger and the account shall be open for audit by Central Government or C&AG.
- (xxxvii) All guidelines under the project is to be followed scrupulously.
- (xxxviii) 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.
- (xxxix) 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.
- (xl) All labour payments strictly by DBT.
- (xli) The guidelines of Project Tiger Schemes are followed by Mudumalai Tiger Reserve and Expenditure Evaluation Report on the expenditure incurred vis-à-vis proposed activities and result achieved may be furnished before release of 2nd installment.

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 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.

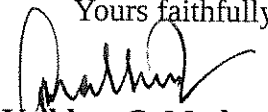
7. In accordance with the revised procedure, the Central Accounts Section, Reserve Bank of India, Nagpur, may kindly be advised to pass on credit to the books of the State Government of Tamil Nadu under intimation to this Department.

8. The expenditure incurred is adjustable to the Demand No. 25 (Ministry of Environment, Forest and Climate Change) under the following heads during the Financial Year 2020-21 :

Scheme	Budget Head	Amount (Rs. in lakhs)
Centrally Sponsored Scheme of Project Tiger	3601.06.101.02.01.31 (Gen)	271.38
Centrally Sponsored Scheme of Project Tiger	3601.06.789.02.01.31 (SCSP)	-
Centrally Sponsored Scheme of Project Tiger	3601.06.796.02.01.31 (TSP)	30.15
Total		301.53

9. This issues under the powers delegated to the Ministry and with the concurrence of Integrated Finance Division vide Dy. No. 137071/AS&FA (PG) dated 23.06.2020.

Yours faithfully,

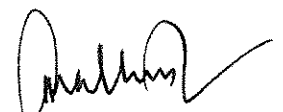


(Dr. Vaibhav C. Mathur)

Assistant Inspector General of Forests (PT)

Copy to:-

1. The Secretary, Ministry of Environment, Forests and Climate Change, New Delhi.
2. 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 2020-21 may kindly be furnished to this Ministry immediately.
3. The Secretary (Finance), Govt. of Tamil Nadu.
4. The Principal Chief Conservator of Forests / Chief Wildlife Warden, Govt. of Tamil Nadu.
5. The Field Director, Mudumalai Tiger Reserve, Tamil Nadu.
6. The Accountant General, Tamil Nadu.
7. The Director of Audit, Scientific Department, AGCR Building, IP Estate, New Delhi.
8. IG, NTCA Regional Office, Bangalore.
9. Forest Finance Division, MoEF&CC, New Delhi.
10. Plan Finance Division (PF-II), Ministry of Finance, New Delhi.
11. Guard file/Spare copies.



(Dr. Vaibhav C. Mathur)

Assistant Inspector General of Forests (PT)

**MUDUMALAI TIGER RESERVE, TAMIL NADU
ANNUAL PLAN OF OPERATION 2020-21**


(Rs. in lakhs)

Sl. No.	Item of works	Para No. CCT-PT Guide	TCP Chapter/Para No.	Previous Year Details (2019-20)				Current year proposal 2020-21			Justification	
				Location / GPS co-ordinates	Physical		Financial		Physical target	Unit rate		(Rupees in Lakhs)
					Target	Achvmt	Target	Achvmt				
	NON RECURRING		CORE									
1	Deployment of Tiger Protection Force (antipoaching squad)	10.1	10.2	MTR -Core	1 Squad x 6 nos x 12 months @ Rs.10770/ each	6 Nos x 12 months	7.754	5.850	6 nos x12 months	12500 per month / each	9.00	This squad is an essential part of anti-poaching operations with an element of surprise. 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.	16.1.8	1.5	MTR -Core	LS	LS	2.000	0.720	LS		2.00	This provision is required for Payment of legal fees and misc. expenses towards conduct of court cases an vetting of the documents by the Govt. Pleader (Forests) especially relocation issues and other court cases.
3	Supply of field uniform and shoes to anti-poaching watchers	10.1	4.1	MTR -Core	Core 75 Nos @ Rs.5000/- each	75 Nos	3.750	3.750	85 Nos	Rs. 5000 / each	4.25	There are 85 APW's engaged in this division 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.
4	Strengthening Anti-poaching camp including cooking and toilet facility facilities etc.,	16.1.3	4.1	N.11.60481 E.76.40321	12 Nos LS	3 Nos	13.500	3.376	1) Seenakolli 2) Ombetta - 3) Karjikatti - 4) Neerallah - 5) Agribetta - 6) Mayfield - 7) Vilangore - 8) Narathi -	1) 3.50 2) 2.50 3) 5.00 4) 3.50 5) 5.00 6) 3.50 7) 5.00 8) 3.50	31.50	There are 17 Anti-poaching camps available. These camps are to be strengthened with enhanced facilities with cooking and sanitation apart from regular maintenance including minor repair works to encourage the watchers in efficient working. 08 camps are proposed in this proposal including pending 2nd installment work during 2019-20. 1) Seenakolli N.11.55972 E.76.51813 2) Ombetta N.11.57982E, 76.52576 3) Karjikatti N.11.64174E, 76.55611 4) Neerallah N.11.68527E, 76.51108 5) Agribetta N.11.644304E 76.50926 6) Mayfield N.11.58007E, 76.44267 7) Vilangore N.11.57005E, 76.41257 8) Narathi N.11.60481E.



7	Conducting tiger monitoring as per Phase IV protocol such as Logistics, Data Entry Operators, Biologist, Consumables etc.,	16.7.1	8.5	MTR-Core	LS	LS	10.000	1.937	LS	10.00	76.40321	Monitoring is the most important annual exercise of 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 personnels like Data entry operators and other consumables, software update, etc.	
	1) Engaging Senior Biologist 1 No. @ 26950 per month = 3.234												
	2) Data Entry Operator 1 No. @ 22578 x 12 months = 2.709												
	3) 8 day protocol exercise Pre-monsoon and Post monsoon = 2.00												
	4) Consumables i.e Camera trap batteries and accessories = 2.057												
	Total = 10.00												
8	Project allowance as per the guidelines of CSS-PT pay for all employees of staff permitted by GOI.	16.15	8.5	MTR-Core	160 personnel	160 personnel	15.000	14.518	Total sanction 204 on roll 157 Nos	as per list	16.78	Project allowance to the officers and staff from 1.4.2007 at the approved rate by NCTCA @ 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 NCTCA guide lines (staff details enclosed in the Annexure)	
9	Engaging anti- depredation watchers to drive wild animals from Agri land.	16.10.3	5.4	MTR-Core	10 nos @ Rs.10770 x 12 months	10 nos x 12 months	15.004	8.960	15 Nos x 12 months @ Rs.12500/-		22.50	Towards effective control of Man-animal conflict especially in south western side of MTR ie in Thorapalli & Gudalur Forest Division where man-animal conflicts happen. Watchers are deployed to drive the wild animals from human habitation and agri lands. Hence this provision is made.	
10	Payment of compensation for crop depredation, injury or loss of human life due to wild animals	16.4.3	5.4	MTR-Core	LS	LS	2.000	2.000	LS		2.00	For timely compensation of the loss incurred on depredation caused by wild animals provision is required.	
11	Purchase of mobile with power bank.			MTR-Core	17 Nos @ Rs. 10,000/-	17 Nos	1.700	1.700					
12	Procurement of Computers								2Nos		2.00	The new online payroll system integrated Financial and Human Resource Management (FHRMS) implemented from 1.4.2019 by TN treasuries Department. This will very essentially required the high configuration computer systems to ensure the uninterrupted payroll operating and the prompt disbursement of salaries to the employees.	

13	Purchase of GPS related accessories	16.7.1	8.4	MTR-Core	10 Nos @ Rs.9,000	10 Nos	0.900	0.900	0.900	5 Nos	Rs. 20000 each	1.00	GPS are required for the field staff for ascertaining location. The total requirement is 83. 43 are available in this unit. Remaining are proposed in phased manner annually. Hence proposal is for 5 Nos.
15	Construction of frontline staff quarters (Combined Forest Guard and Forest Watcher quarters.	16.1.2 1		MTR-Core	1 No @ Rs. 20.00 lakhs each	1 No	20.000	20.000	20.000	1 No.	Rs. 2,000,000	20.00	This provision to the regular staff would be a morale-booster for them for efficient working in remote forest area and taking-up effective patrol work. Additional 08 beats were created and beat staffs have since been filled up. Hence designated quarters are proposed for these staffs as a welfare measure as well as for protection need. One quarters is proposed now.
16	Provision of Torches, Medical kit, Uniform, rain coat, hunter shoes etc., for regular staff etc.,	10.16	8.5	MTR-Core	150 Nos @ Rs.5,000/each	150 Nos	7.500	7.500	6.516	160 @ Rs.5000		8.00	This provision to the regular staff would be a morale-booster for them for efficient working in remote forest area and taking-up effective patrol work. Items like Torches, Medical kit, Uniform, rain coat, hunter shoes etc., will be procured.
17	Providing ration allowance to staff in Mudumalai Tiger Reserve	16.15	8.5	MTR-Core	120 personnel @ Rs.860 x 12 months		12.370	12.241	12.241	Total sanction 140 (eligible personnel) x 12 months	Rs.860 per month per each	14.45	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 NON-RECURRING CORE													
NON RECURRING													
Anti Poaching Activities :													
1	Deployment of Tiger Protection Force (Anti-poaching squad)	10.1	10.2	MTR-Buffer		4 Squads x 6 watchers per Squad 12 months @ Rs.12500/ each	35.998	35.998	35.998	2 Squads x 6 watchers per Squad 12 months	12500 each / month	18.00	This squad is an essential part of anti-poaching operations with an element of surprise. They are deployed in vulnerable locations based on intelligence gathered/received and will be functioning as floating camp. This division has more vulnerability and it is located around 16 adjoining villages. Hence all the 4 Ranges of this Division may require one squad each.
2	Legal support for defending court cases including legal fees and other miscellaneous charges.	16.1.8	1.5	MTR-Buffer			3.000	3.000	3.000	LS	LS	1.00	There are 32 SLP cases pending with relevant to elephant corridor in this Division. Hence this provision is required for Payment of legal fees and Misc. expenses towards conduct of court cases and vetting of the documents by the Govt. Pleader (Forests) on any issues and other court cases.



IV		Addressing Man-Animal Conflict :		MTR -Buffer		10 Nos @ Rs.12500 x 12 months		15.004		15.004		10 Nos @ Rs.12500 x 12 months		12500 each / month		15.00		Towards effective control of Man-animal conflict especially in Masinagudi and other habitations of this Division where man-animal conflicts happen. Watchers are deployed to drive the wild animals from human habitation and agri lands and also to continuously watch the movement of crop riding animals. Hence this provision is made. A sum of more than Rs.5.00 lakhs to the settlement of compensation remains pending last year. And the additional amount of Rs. 5.00 lakhs required for the timely settlement of compensation in the adjoining villages if any loss incurred on depreciation caused by wild animals.	
9	Engaging anti-depredation watchers to drive wild animals from Agri land.	16.10.3	5.4	MTR -Buffer	10 Nos @ Rs.12500 x 12 months	15.004	10 Nos @ Rs.12500 x 12 months	15.004	15.004	10 Nos @ Rs.12500 x 12 months	12500 each / month	15.00	10 Nos @ Rs.12500 x 12 months	12500 each / month	15.00	Towards effective control of Man-animal conflict especially in Masinagudi and other habitations of this Division where man-animal conflicts happen. Watchers are deployed to drive the wild animals from human habitation and agri lands and also to continuously watch the movement of crop riding animals. Hence this provision is made. A sum of more than Rs.5.00 lakhs to the settlement of compensation remains pending last year. And the additional amount of Rs. 5.00 lakhs required for the timely settlement of compensation in the adjoining villages if any loss incurred on depreciation caused by wild animals.			
10	Payment of compensation for crop depredation, injury or loss of human life due to wild animals	16.4.3	5.4	MTR -Buffer	10 Nos @ Rs.12500 x 12 months	15.004	10 Nos @ Rs.12500 x 12 months	15.004	15.004	10 Nos @ Rs.12500 x 12 months	12500 each / month	15.00	10 Nos @ Rs.12500 x 12 months	12500 each / month	15.00	Towards effective control of Man-animal conflict especially in Masinagudi and other habitations of this Division where man-animal conflicts happen. Watchers are deployed to drive the wild animals from human habitation and agri lands and also to continuously watch the movement of crop riding animals. Hence this provision is made. A sum of more than Rs.5.00 lakhs to the settlement of compensation remains pending last year. And the additional amount of Rs. 5.00 lakhs required for the timely settlement of compensation in the adjoining villages if any loss incurred on depreciation caused by wild animals.			
11	Purchase of Post Mortem Kits and expenses for Postmortem activities			MTR -Buffer	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	This amount is required for purchase of essential kits while conducting Postmortem of Wildanimals like surgical blades, ropes, sample collection bottles, gloves, etc., and other Postmortem related expenses.			
V		Strengthening of infrastructure																	
12	Purchase of GPS and related accessories	16.7.1	11.2	MTR -Buffer	20 Nos @ Rs.10,000	2.000	20 Nos @ Rs.10,000	2.000	2.000	5 Nos	60000 each (Model: Garmin GPSMAP 64sc site survey)	3.00	5 Nos	60000 each (Model: Garmin GPSMAP 64sc site survey)	3.00	High end GPS with advanced features is proposed here to be supplied to DD and all FRCs of this Division for effective monitoring with data's collected in the field thru AP Camps and using for other data collections.			
13	Purchase of Cameras	16.1.2.1	11.2	MTR -Buffer						1 No	50000 / each DSLR model	0.50	1 No	50000 / each DSLR model	0.50	A DSLR camera essentially required for the use of Deputy Director for documentation and other needs.			
14	Procurement of Rescue operation kits and accessories for treating wild animals	16.1.2.2	11.6	MTR -Buffer	260	56.000	100 Nos	3.000	3.000	100 Nos.	25000 each (Fire Blowers, NetGuns, ladders, nylon ropes, rescue sheets, etc.,)	25.00	100 Nos.	25000 each (Fire Blowers, NetGuns, ladders, nylon ropes, rescue sheets, etc.,)	25.00	This Division is formed during March 2018 only. Hence to address an effective rescue operation accessories like Fire Blowers, Net guns, Rescue sheets, structures, flood lights, ladders and nylon ropes are essentially required for handling and safe release the wild animals and Fire fighting.			
17	Procurement of Camera traps	16.7.1	12.3	MTR -Buffer	260	56.000	100 Nos	3.000	3.000	100 Nos.	25000 each	25.00	100 Nos.	25000 each	25.00	Total No. of Grids @ 2.0 sqkms are 256 Nos. for this division for which 512 Nos. of Camera traps are required. As of now we have only 188 Camera traps and 324 Nos are required. Now it is proposed to purchase 100 Nos. in a phased manner.			

16	Procurement of Printer cum xerox machine and accessories	16.1.2 1	12.3	MTR -Buffer	1 No @ Rs.2.00 lakh	1 No @ Rs.2.00 lakh	1.950	1.990	LS	LS	2.00	...	The new online payroll system integrated Financial and Human Resource Management (FHRMS) implemented from 1.4.2019 by TN treasuries Department. This will very essentially required the high configuration computer systems to ensure the uninterrupted payroll operating and the prompt disbursement of salaries to the employees and also for regular office correspondence and documentation works.	
17	Purchase of All Terrain Vehicle for the use of Deputy Director.			MTR -Buffer	0.000	0.000		0.000	1 No.	12.500 Lakhs (Model : TATA SAFARI STORM Vehicle)	12.50		All terrain vehicle will be purchased for the use of Deputy Director for using in the Fields for monitoring and inspection purpose. The current vehicle under use by DD is actually allotted for Range. Hence an exclusive vehicle is much required. The condemnation certificate of old vehicle is enclosed.	
18	Construction of Fire and Protection Watch Tower with Temporary staying facilities			MTR -Buffer	0.000	0.000		0.000	1 No.	12.00 lakhs each	12.00	1. Vankallah N 11.60317 E 076.65630	The Fire & Protection Watch Towers are very much required at prominent locations which will be useful in controlling Fire incidents much quicker. Even now Fire Watchers engaged are staying and watching from this point without any infrastructure. 1. Moyal beat - Vankallah, Masinagudi Range	
VI	Staff Welfare activities													
19	Provision of Uniform, rain coat, shoes etc., for regular staff etc.,	10.16	11.4	MTR -Buffer	114 Nos @ Rs.5,000/ each	114 Nos @ Rs.5,000/ each	5.700	5.700	113 Nos	5000 each	5.65	...	This provision to the regular staff would be a morale-booster for them for efficient working in remote forest area and taking-up effective patrol work. Items like Torches, Medical kit, Uniform, rain coat, shoes etc., will be procured.	
21	Providing ration allowance to staff in Mudumalai Tiger Reserve	16.15	8.5	MTR -Buffer	100 personnel @ Rs.860 x 12 months	100 personnel @ Rs.860 x 12 months	10.320	5.591	79 personnel	860 each per month for 12 months	8.15	...	As per Govt. of India Ministry of Environment, Forest and Climate change (NTCA) notification No.15-31/2012-NTCA, dt.05-06-2014 (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 FOR NON-RECURRING - UK :											157.462	109.480	153.74	
TIGER BEARING AREA														
Mukkurthi National Park														
1	Hiring Anti-poaching watchers.				5 Nos x 12 months @ Rs.10,000	5 Nos x 12 months @ Rs.10,000	6.000	4.500						
2	Conducting Tiger Census				1 No	1 No	1.500		1 No	Rs.75000/-	0.75		Conducting census annually as per the NTCA guidelines	
Total											7.500	4.500	0.75	

9	Engaging computer operators: 1) APCCF & FD Office 2) Mudumalai Range - 1 No. 3) 4) Kargudi Range - 1 No. 4) Theppakkadu Range - 1 No. 5) Nelliakottai Range - 1 No. 6) Mururthi Range - 1 No. The unit rate is based on last year District Collectorate rate with 10% escalation. (Total 7 Nos)	16.2.2 7	4.7	MTR -Core	7 Nos x 12 @ Rs.21656/-	7 Nos x 11 months	18.191	15.694	7 nos x12 months	Rs.22578 per month	18.97	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 death of permanent office staff in the following offices.
11	Improvement of water holes by desilting and minor repairs etc.,		9.3	MTR -Core	4 Nos LS	2 Nos	9.000	2.970	1) Irish bridge 2) Umbrellah	1) Rs. 200000 2) Rs.200000	4.00	The water holes provides water to wildlife regularly. In order restore the original capacity and to maintain the structure for ensuring water availability to wildlife during dry season provision is made. 02 water holes are proposed including the 2nd installment works during 2019-20.
12	Maintenance of habitat by continuous removal / working of exotic weeds working including removing remnant and new recruits of weeds like Lamana etc.,	16.3.1	9.3		80 Ha @ Rs.15080/ ha	80 Ha	12.064	12.064	80 ha @ Rs.16588		13.27	Exotic weeds like Laritana 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. TSU/30403/2013, dt.21.10.2014)
13	Management of Vayals for restoring grass lands and augmentation of water etc. by fresh removal of exotic weeds.				60 Ha @ Rs. 15080/ha.	25 ha	9.048	3.770	30 ha		20.00	Vayals are also a very important to be maintained for the welfare of wildlife to provide fodder and water resources including desilting and wiler structure. 1) Clearing weeds 30 ha @ Rs.16588/- = Rs.497640/- or Rs.500000/- 2) Wiler (10 mt) Rs.600000/-

17	Renewal / maintenance of awareness boards/ publicity materials in tourism zone.	11.3				LS	LS	1.980	LS	2.000	LS	1.980	LS	2.000	LS	1.980	LS	2.000	LS	3)	Desilting around 7000 to 8000 m ³ Roads such as Highways, Major District roads are passing through Mudumalai Tiger Reserve. Further Elephant camp is situated at Theppakkadu. Visitors / public including local people, people from other parts of country as well as foreigners etc., are visiting in huge nos. Therefore to create awareness on conservation / caution messages among the visitors the existing boards need to be maintained appropriately with renewal, re-painting etc.
18	Procurement of tranquilizing equipment and medicines	5.4	MTR-Core			LS	LS	1.948	LS	2.000	LS	1.948	LS	2.000	LS	1.948	LS	3.00	3.00	Tranquilising equipments, including medicines required is a sine qua non for management of departmental elephants and also marauding wild animals. (Details enclosed in Annexure-5)	
19	Procurement / maintenance of wireless equipments such as base sets, walkie talkies, batteries, antenna etc.	10.3	MTR-Core			LS	LS	1.500	LS	1.500	LS	1.500	LS	1.500	LS	1.500	LS	5.00	5.00	Communication infrastructure is needed especially in anti-poaching camps for continuous and seamless functioning, which is the life-line of tiger protection operations in this divisions. Wireless base sets for each Range office, for vehicles and walkie talkies for subordinates are required.	
20	Maintenance of fair weather roads leading to anti-poaching camps including reformation of side drains.	11.3			4 km	6 Km @ Rs. 18.00 Lakhs/ km		77.579	1) Chickkallah - Agribetta - 2 km - 40.00 2) Kanjikatti - 0.50 Km - 10.00	102.000	1) Rs. 40,00,000 2) Rs.10,00,000	77.579	1) Chickkallah - Agribetta - 2 km - 40.00 2) Kanjikatti - 0.50 Km - 10.00	102.000	1) Rs. 40,00,000 2) Rs.10,00,000	77.579	1) Chickkallah - Agribetta - 2 km - 40.00 2) Kanjikatti - 0.50 Km - 10.00	50.00	50.00	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. Stone block paving, is done on wheel track only, side drain including repairs to small bridges and causeway etc., for faster movement. The maintenance of roads is vital for tourism as well as protection purpose. The road work will be carried out on priority of damage within tourism zone.	
21	Maintenance of vehicles (jeep, lorry) including lubricants	11.3	MTR-Core			LS	LS	1.262	LS	2.500	LS	1.262	LS	2.500	LS	1.262	LS	2.00	2.00	Needed to keep vehicles in good shape and condition for efficient transport	
22	Study tour to other Tiger Reserves to get exposure to good practices in tiger conservation	11.3	MTR-Core			LS	LS	2.000	LS	2.000	LS	2.000	LS	2.000	LS	2.000	LS	1.00	1.00	Needed to absorb new initiatives from practices in other tiger reserves for further development of the reserve.	
23	Improvements and maintenance to Staff quarters	8.5			8 Nos	08 Nos. @ 2.00 lakhs		15.840	Office Assistant quarters Theppakkadu	16.000	Rs. 200,000	15.840	Office Assistant quarters Theppakkadu	16.000	Rs. 200,000	15.840	Office Assistant quarters Theppakkadu	50.00	50.00	Buildings for housing the subordinates are pretty old and need upgradation for their upkeep. The works include renewal of damaged roofing floors with filing, upgrading bathroom and toilet facilities, re-arrangement electricals, repairs to	

26	Provision of LPG for elephant camps				545x1350				7,357	6,434	600 cylinders	Rs. 1,250 each	7.50		On an average 50 LPG cylinders (commercial) would be consumed per month. Therefore the cost includes (@0.012x365 days= Rs.7.50 Lakhs.
28	Strengthening of bridges										1 No. Googula Narathi	Rs. 1,000,000	10.00	N.11.57666 E:76.48030	Bridges are also integral part of the road to be maintained to protect the road pavement and to check the erosion of soil by draining out water to the downstream.
	TOTAL RECURRING-CORE								369,787	286,418			373.19		
	RECURRING BUFFER														
1	Anti-Poaching														
1	Establishment of Highway patrolling squads the help of local people	16.1.2	10.3	MTR -Buffer	1 squad @ Rs.35,000/- each per month	1 squad @ Rs.35,000/- each per month		4,500		4,500	2 Squads	38000 each per month	9.12	...	There are 5 major highways across this division areas i.e. Kalthatty to Theppakudi, Masinagudi to Moyer, Masinagudi to Bokkapuram and Masinagudi to Siniyur and this roads contains a lot of tourists movements. Hence, to undertake patrol along the roads passing through the Tiger Reserve area and to prevent incidents of poaching, littering, feeding wild animals, etc., three patrolling watchers will be engaged in each squad.
2	Engaging the Anti-poaching watchers	16.1.2	13.2	MTR -Buffer	65 Nos x 12 x @ Rs.12500/-	65 Nos x 12 x @ Rs.12500/-		110,500		69,070	65 Nos	12500 each per month for 12 months	97.50	...	There are 19 Nos of Anti poaching camps functioning in this Division in strategic locations. The area of this Division is around 450 Sqkm and this is located among the 16 Nos of adjoining villages and the entry and exit port of tourists of state. Buffer Zone areas are highly vulnerable and needs continuous monitoring from AP Camps.
															For effective perambulation and protection of the above mentioned large area the establishment of APWS @ 5 Nos per camp is very important. Hence proposed. Previous year due to shortage of funds released Financial target could not be achieved.
3	Equipping the Anti poaching camps by providing camp cots, torches, chargers, updated Mobiles for M stripes, etc.,	10.16	13.2	MTR -Buffer	23 camps @ Rs.10,000/-	23 camps @ Rs.10,000/-		7,200		0,530	19 camps	40000 each camp	7.60	(Android Mobile compatible for M stripes, 5 Camp cots for each AP camp, etc.,)	All the Anti Poaching camps have to be equipped with Camp cots, chargers, latest Mobiles to use M stripes patrolling app, etc., This will increase and intensify the patrolling and monitoring system. Hence proposed.
5	Secret service fund and rewards for all category of staff and incentives for gathering intelligence (logistics for gathering information and rewards to informants)	10.1	13.5	MTR -Buffer				1,000		1,000	LS	LS	1.00	...	Gathering intelligence through surveillance of suspects and vulnerable locations is essential and will encourage the staff to work efficiently and sincerely.

6	Annual maintenance of anti-poaching camp buildings including minor repairs.	10.1	MTR -Buffer	10 Nos. @ 0.60 / each	6,000	6,000	6,000	8 Nos.	60000 each	4.80	<p>Sequr Range</p> <p>1. N11.56813 E.076.78716</p> <p>2. N11.54223 E.076.83295</p> <p>3. N11.52270 E.076.80682</p> <p>Mashnaguadi Range</p> <p>1. U Road, 2. Bison Road</p> <p>Singara Range</p> <p>1. JD Road Camp 2. Northern Hey Niktris Eastern Range</p> <p>1. Hallimoyar</p>	To maintain the following AP Camp buildings for its durability and clean environment annual maintenance such as white washing colour washing and minor repairs are essential. Sequr Range
7	Strengthening Anti-poaching camp with toilet & kitchen shed etc.,	16.1.3	MTR -Buffer	3 Nos	9.00	3.00 lakhs each	3.00 lakhs each	1.Thulukkamp	<p>1. N.I. 55627 E. 076.60814</p> <p>2. N. I. 53924 E. 076.57469</p> <p>NES Range</p> <p>1. N.11.55797 E.076.96105</p>	There are 19 Anti-poaching camps available in this division. The following AP Camps are without Kitchen Shed or Toilet facilities which has to be constructed : 1.Thulukkampathi, 2.Hallimoyar and 3.Anikkal		
8	Strengthening Anti-poaching camps by providing Solar Pumping system & reworking the existing Borewell for providing water facilities.	16.1.3	MTR -Buffer	2 Nos	0.00	7.50 lakhs each	15.00	<p>3. Anikkal N11.52380 E.076.74128</p> <p>1. Adicombal N11.52380 E.076.74128</p> <p>2.Thulukkamp</p>	There are 19 Anti-poaching camps available in this division. The following AP Campshaving Borewell are not functional and hence reworking the Borewell and providing Solar powered pumping system will ensure water facility to that camp which in turn will improve effective functioning. Hence proposed. 1.Adicombal, 2. Thulukkampathi			
II	Fire Control											
9	Annual maintenance of firelines including block line state boundary and animal paths.	16.2.1 4	MTR -Buffer	400 km @ Rs.12927/- per km	51,700	51,700	51,700	400 km	14220 per km.	58.88	...	Maintenance of fire lines is an essential work to avoid spread of fires in existing firelines. The existing network of firelines at a width of minimum 6 mis. will be cleared and scrapped as a barrier for fire. In this Division last year a length of 400 kms fireline was cleared and that has to be annually cleared this year also.

10	Engaging fire watchers 120 Nos. x 4 months	16.2.1 4	10.4	MTR -Buffer	120 Nos x 4 months @ Rs.10770/-	61,780	12,954	100 Nos	11847 each per month for 4 months.	47.39	...	Engaging Fire Protection Watchers for 4 months @ 25 Nos. each in all Ranges will be very effective for controlling fire incidents held in this Division and that would be controlled by engaging local labours. Hence, to control the fire and prevent the damages it is essential to engage sufficient fire watchers. Previous year sufficient funds were not received and hence financial target could not be achieved. 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. The Nilgiris Eastern Range is located in Kil Kolagiri and the areas of this range i.e Thengumathada is situated more than 80 kms from here. In other Ranges also the Range vehicles have to be used excessively during unusual situations and fire seasons. Hence proposed. Additional office stationeries are required for preparation of returns, reports, plans, etc., to be sent to the NTCA. Further the final printing of required copies of Tiger Conservation Plan for further period of 10 years from 2020-21 to 2031-32 for Mudumalai Tiger Reserve will be done. Hence provision is also made for this.
11	Additional diesel for the vehicles during fire season-LS	16.2.1 4	10.4	MTR -Buffer	LS	7,000	3,210	LS	LS	4.00	...	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. The Nilgiris Eastern Range is located in Kil Kolagiri and the areas of this range i.e Thengumathada is situated more than 80 kms from here. In other Ranges also the Range vehicles have to be used excessively during unusual situations and fire seasons. Hence proposed.
12	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	10.3	4.7	MTR -Buffer	LS	2,000	0,000	LS	LS	1.50	...	Additional office stationeries are required for preparation of returns, reports, plans, etc., to be sent to the NTCA. Further the final printing of required copies of Tiger Conservation Plan for further period of 10 years from 2020-21 to 2031-32 for Mudumalai Tiger Reserve will be done. Hence provision is also made for this.
III	Improvement/Upgradation/ Maintenance of existing buildings / Infrastructure											
13	Maintenance of office equipments like Computer, Xerox Machine, Printer, UPS, Solar power and other equipments etc.,	10.3	4.7	MTR -Buffer	LS	5,000	0,400	LS	LS	4.00	...	This amount is required for purchase of the additional office equipments like Computer, Xerox Machine, Printer, UPS, providing Solar panels as alternate energy and other equipments etc., the maintenance cost will be raised little higher.
14	Engaging computer operators.	16.2.2 7	4.7	MTR -Buffer	5 Nos @ Rs.21656 x 12	15,590	15,590	6 Nos @ Rs.23822 x 12	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. The unit rate is based on last year District Collectorate rate with 10% escalation.	17.15	...	1) Deputy Director, Masinagudi Division - 2 2) Masinagudi Range - 1, 3) Segur Range - 1, 4) Singara- 1 and 5) Nilgiris Eastern Range - 1
IV	Habitat Improvement and Water development											



16	Improvement of smaller water holes by desilting and minor repairs etc.,	9.3	MTR -Buffer	12 Nos @ Rs. 0.50 each	12 Nos @ Rs. 0.50 each	6,000	6,000	8 Nos	60000 each	4.80	Mashagudi Range 1. N11.60537 E076.69578 2. N11.56671, E076.61112 Singara Range 1. N 11.53673 E.076.67224 2. N 11.54448 E. 76.63813 Sigur Range 1. N11.59005 E076.81150 2. N11.586145 E076.80482 NES Range 1.N.11.56342 E.076 88627 2. N.11. 55 855 E.076.85514	The existing smaller water holes like checkdams or water troughs will be maintained with minor repairs or desilting which will ensure water to Wild animals through out the Reserve @ 2 Nos. in each Range will be done. Mashagudi Range 1. Alamara odai-Avarallah beat 2. Karadikutta beat-link road Jn CD Singara Range 1. Gerallah Water hole 2. Kallarakaatu Water hole Sigur Range 1. Muthamara pallam 2. Chelakare NES Range 1. Kammanpatty CD 2. Uppuman Kuli
17	Providing water to wildlife during pinch period.	9.3	MTR -Buffer	300 trips @ 1300 ltrs per trip during dry season @ Rs. 1300/- per trip & 4 Water troughs.	300 trips @ 1300 ltrs per trip during dry season @ Rs. 1300/- per trip & 4 Water troughs.	18,300	18,300	300 trips @ 1300 liters per trip during dry season	1500 per trip	4.50	MTR Buffer Zone is prone for dryness due to nature of forest and is highly a rain shadow area. In absence of sufficient rain fall, the water becomes scarce for the wildlife during pinch period. Therefore to cater wildlife water is supplied by transporting and filling in water troughs or ponds created for the purpose through private trucks. Hence the proposal.	
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	MTR -Buffer	10 Ha @ Rs.15080 / ha	10 Ha @ Rs.15080 / ha	1,500	1,500	200 Ha	16588 per Ha.	33.18	During 2019-20 Fresh Removal of Lantana heavy growth was done in this Division in an area of 200 Ha. Hence it is essential to maintain those areas by removing the remnant or regrowths. The area has to be removed with weeds for minimum three consecutive years for effective management. Hence proposed. The rate is with 10% escalation of previous years rate.	
19	Immunization of domestic animals in the villages	9.3	MTR -Buffer	LS	LS	1,000	1,000	LS	LS	1.00	To carry out immunization work in fringe villages to avoid spread of diseases from domestic cattle to wild animals. In Mashagudi area about 3000 cattles exist.	

20	Fresh removal of invasive species, Lantana, Opuntia, etc.,	16.3.1	9.3	MTR -Buffer	200 Ha @ Rs.43090/ha	200 Ha @ Rs.43090/ha	86.180	86.180	100 Ha	47400 per Ha.	47.40	...	Removal of exotics, like Lantana, Opuntia, etc., are aimed at not only creating pasture lands distributed all over the reserve - for even distribution of prey animals - but also serve as major life breaks and create "corridors" for dispersal of animals and additional patrol paths with respect to carrying capacity approved Tiger Conservation Plan. Masinagudi Division of Mudumalai Tiger Reserve is created during March 2018 and it was bifurcated from Nilgiris North Division. There are no any removal works made in this areas of the former division. Hence, there is lot of exotic weeds to be The rate provided is with 10% escalation of previous years rate. Hence proposed. There are 5 major highways, across this division areas i.e Kalthatty to Theppakadu, Masinagudi to Moyar, Masinagudi to Bokkapuram and Masinagudi to Siriyur and this roads contains a lot of tourists movements. Therefore to create awareness on conservation / caution messages among the visitors the existing boards need to maintained appropriately with renewal, re-painting etc.,
24	Renewal / maintenance of awareness boards/publicity materials in tourism zone.		7.2	MTR -Buffer	LS	LS	4.000	1.180	LS	LS	2.00	Road sides	
VIII	Strengthening of infrastructure within Tiger Reserve												
27	Strengthening of Watch Tower for monitoring of fire and other illegal activities	10.4	10.4	MTR -Buffer	1 Nos	1 Nos	1.000	1.000	2 Nos	1.00 lakh each	2.00	1. Anaikatty Nil.55005 E076.758014 2. Ebbanad Nil.51332 E076.780551	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., The requirement as follows: 1. Anaikatty, Segur Range - Rs. 1.00 lakhs 2. Near Ebbanad, Sigur Range - Rs. 1.00 lakhs



28	Maintenance of fair weather roads including repairing of bridges, culverts and reformation of side drains in tourism zone etc.	10.3	MTR -Buffer						0.000	0.000	25000 each	15 Nos. of Barricade gates	3.75	<p>This amount is proposed for providing check gates or barricade gates with locking facilities in prominent roads where Tourists or public may enter knowingly or unknowingly. These gates will be provided in 15 locations as follows</p> <p>Singara Range</p> <ol style="list-style-type: none"> 1. JD Road 2. Nelson Road 3. Chadapati, 4. Aachakara & Vibuthimala 5. Sigur Range <p>1. Bangipatti Road</p> <p>Mashnagudi Range</p> <ol style="list-style-type: none"> 1. Jayadev Road, 2. Chemmanatham 3. Sigur Falls Road & 4. Kavithallah <p>NES Range</p> <ol style="list-style-type: none"> 1. Thulikkampati camp road, 2. Palamarathupati Camp Road, 3. Hallimoyar 4. Kallampalayam Entrance 5. Kallampalayam Camp Road
29	Procurement / maintenance of wireless equipments such as base sets, walkie talkies, batteries, antenna, etc.	10.3	MTR -Buffer		0.000						LS	LS	5.00	<p>The repeater stations are to be equipped for better communication in this Division. At present the communication thru wireless is not working due to problems in the repeater station. Hence proposed. Needed to keep vehicles in good shape and condition for efficient transport.</p>
30	Maintenance of vehicles (jeep, lorry) including lubricants	11.3	MTR -Buffer		4.500				3.554		LS	LS	3.00	
IX	Staff development and capacity building													
31	Conducting training in various aspects to the staff with the help of specialised personnel / institution	8.4	MTR -Buffer		6.000				2.500		LS	LS	2.00	<p>The amount required for to given training to the field staffs regarding wildlife management eco tourism techniques and responsibility of tourism biodiversity management forest rescue protection and forest wildlife laws.</p>
32	Study tour to other Tiger Reserves to get exposure to	11.3	MTR -Buffer		2.000				1.820					

33	good practices in tiger conservation For conducting eco-awareness camps for students and conservationists and people in various activities remuneration	8.5	MTR -Buffer	2 camps @ LS	2 camps @ LS	2,000	2,000	2,000	4 Nos @ LS	LS (Breakup of total is given in remarks)	21.00	1. Vazhithotta m checkpoint qtrs N11.53058 E076.70397 2. Analkatty South Beat Qtrs N11.55396 E076.75498 3. Singara Beat Quarters N 11. 56750 E 076. 63788 4. Kookalthurai hallah Beat Qtrs N.11.45 173 E.076.93.623	Buildings for housing the subordinates are pretty old and need upgradation for their upkeep. The works include renewal of damaged roofing 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 on average to have flexibility to the actual estimate cost. Requirement as follows : Secur Range 1. Vazhithottam checkpoint qtrs 1 No - 8 lakhs 2. Avalkatty South Beat qtrs 1 No - Rs.5.00 lakhs Singara Range 3. Singara Beat quarters 1 No - 4.00 lakhs Nigiris Eastern Range 4. Kookalthuraihallah Beat Quarters 1 No - 4.00 lakhs The DD Camp Office Building which requires improvement will be carried out as per actuals.
X	Staff Welfare activities	8.5	MTR -Buffer	6 Nos. @ LS	6 Nos. @ LS	33,000	30,000						
34	Improvements and maintenance to Staff quarters	4.7	MTR -Buffer	LS	LS	44,000	33,998		LS	5,000	5.00		
XI	Research, Providing equipments (Camera traps, GPS, etc.) Computer soft ware, All India Estimation of Tiger Co-predators/Prey animals Habitat Monitoring and Evaluation.												
	TOTAL FOR RECURRING - UE :					481,758	353,995				409.57		
Tiger Bearing area - Mukkurthi National Park													
1	Improvement / maintenance of road from Earthen dam to Banglupal			1 km @ Rs.20,00 lakhs	0.300 km	20,000	5,940						
2	Removal of weeds wattle heavy growth 100 mandays @ 430.90 = 43090			20 ha @Rs.43.90	20 ha	8,620	8,620	200 ha		Rs.14,220 per ha	28.44	N.11.24268E. 76.51885 N.11.23778E. 76.52188 N.11.23155E. 76.51652 N.11.23316E. 76.51486	The weeds grow faster than grass and other herbaceous vegetation and therefore the quality fodder is reduced for herbivores. It is proposed to maintain the habitat with indigenous species by clearing exotic weeds in Mukkurthi National Park in a phased manner.
3	Maintenance of Firelines @ Rs. 12927/km to a width of 6 mis. 30 mandays @ 430.90 = 12927			20 km @ Rs.12927/-	20 km	2,590	2,590	20 km		Rs.14,220 per km	2.84	N.11.19547E. 76.194361 N.11.19367E. 76.45454 N.11.20878E. 76.47247	There is a network of firelines available in Mukkurthi National Park which needs annual clearance. Only some portion of such firelines are included in this proposal.

4	Hiring Fire protection Watchers 30 Nos for 4 months from December 2019 to March 2020 25 mandays @ 430.90 = 10772.50 (or) 10770.00	5 Nos x 4 months @ Rs.10770/-	2.160		5 Nos x 4 months @ Rs.11850/-	2.37	Temporary Fire protection watchers will be engaged during fire season for 4 months from December to March to protect the forest wealth from the fire occurrence in Mukurthy National Park.
	Total					33.65	
	TOTAL TIGER BARRING AREA RECURRING		33.370	17.150		33.65	
	TOTAL RECURRING		884.915	657.563		816.41	
	GRAND TOTAL		1161.355	854.011		1141.37	

(Rs. in lakhs)

S. No.	Items	Sanction	Central Assistance
1.	Non-Recurring (60%)	324.96	194.97
2.	Recurring (50%)	816.41	408.20
3.	Spill over work of 2019-20 to be completed during 2020-21	-	-
	Total	1141.37	603.17

(Rs. in lakhs)

Cost of APO including State's share	A	1141.37
Center's share in APO	B	603.17
1 st release @ 50% of Center's share	C=0.5*B	301.58
Less: Unspent balance FY 2019-20	D	0.05
Adjusted 1 st release	E=C-D	301.53
2 nd release @50% of Center's share	F=0.5*B	301.59

* 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.

