

भारत सरकार  
Government of India  
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय  
Ministry of Environment, Forest and Climate Change  
ब्याघ्र परियोजना  
Project Tiger Division  
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F. No. 4-1(31)/2021-PT

Dated the 11<sup>th</sup> June, 2021

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 2021-22 –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. 1053.58 Lakhs (Rupees One thousand Fifty Three lakhs Fifty Eight thousand Only)** as per details given in the table at Annexure. Of the total cost of the Scheme, **Rs. 377.53 Lakhs (Rupees Three Hundred Seventy Seven lakhs Fifty Three 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. 139.15 lakhs (Rupees One hundred Thirty Nine lakhs Fifteen thousand Only)** as the 1<sup>st</sup> installment of Central Share towards the Grants-in-aid to Government of Tamil Nadu during the current financial year 2021-22. 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 31.3.2022.
- (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 for POL / maintenance of vehicles would be admissible only for the vehicles purchased from CSS funds.
- (xxiv) **Funds will not be diverted for any item other than specified herein.**
- (xxv) **Funds to be spent only on items approved in TCP.**
- (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 the purpose 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) **All guidelines of Project Tiger Schemes are followed by concerned tiger reserve and Expenditure Evaluation Report on the expenditure incurred viz. proposed activities and result achieved may be furnished before release of 2<sup>nd</sup> 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 payment sanctioned above is subject to the adjustment on the basis of the audited figures of expenditure. Other terms and conditions of the payment are as under:

- (a) The grant is in accordance with the pattern of financial assistance approved by the Ministry of Finance.
- (b) The grant sanctioned is subject to the adjustment on the basis of the terms and conditions approving the scheme.

6. No deviation from the approved items of expenditure as enumerated in the annexure shall be made without prior concurrence of the Government of India. The guidelines of National Tiger Conservation Authority should be fully adhered to. The Chief Wildlife Warden and the Principal Chief Conservator of Forests of the State Government should be directed to ensure that the field works are in accordance with the Tiger Conservation Plan and the Annual Plan of Operation by the field inspections from time to time.

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

8. The expenditure incurred is adjustable to the Demand No. 25 (Ministry of Environment, Forest and Climate Change) under the following heads during the Financial Year 2021-22 :

<b>Scheme</b>	<b>Budget Head</b>	<b>Amount (Rs. in lakhs)</b>
Centrally Sponsored Scheme of Project Tiger	3601.06.101.02.01.31 (Gen)	125.23
Centrally Sponsored Scheme of Project Tiger	3601.06.789.02.01.31 (SCSP)	0.00
Centrally Sponsored Scheme of Project Tiger	3601.06.796.02.01.31 (TSP)	13.92
<b>Total</b>		<b>139.15</b>

9. This issues under the powers delegated to the Ministry and with the concurrence of Integrated Finance Division vide Dy. No. 157143/SS&FA (PG) dated 07.06.2021.

Yours faithfully,



**(Rajendra G. Garwad)**  
**Deputy Inspector General of Forests (PT)**  
Tel. No. +91 11 2436 7837-39  
E-mail: dig2-ntca@nic.in  
**Fax: +91 11 2436 7836**



**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 2021-22 may kindly be furnished at the earliest.
2. The Secretary (Finance), Govt. of Tamil Nadu.
3. The Principal Chief Conservator of Forests / Chief Wildlife Warden, Govt. of Tamil Nadu.
4. The IGF, NTCA RO, Bengaluru.
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. Forest Finance Division, MoEF&CC, New Delhi.
9. Plan Finance Division (PF-II), Ministry of Finance, New Delhi.
10. Guard file/Spare copies.



**ANNUAL PLAN OF OPERATION OF MUDUMALAI TIGER RESERVE UNDER PROJECT TIGER SCHEME FOR THE YEAR 2021-22**

(Rs. in Lakhs)

Sl. No.	Item of works	Para No. CCT-PT Guide lines	TCP Chapter / Para No.	Previous Year Details (2020-21)				Current year proposal 2021-22				Justification
				Location / GPS co-ordinates	Physical		Financial		Physical target	Unit rate	Financial Target (Rupees in Lakhs)	
					Target	Achvmt	Target	Achvmt				
1	2		3	4	5	6	7	8	9	10	11	13
	<b>NON RECURRING CORE</b>											
1	Deployment of Tiger Protection Force (antipoaching squad)	10.1	10.2	MTR -Core	6 nos x12 months	6 Nos x 12 months	9.000	6.305	6 nos x12 months	12500 per month / each	9.00	This squad is an essential part of anti-poaching operations <b>with an element of surprise</b> . 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	1.500	LS	LS	1.50	This provision is required for Payment of legal fees and misc. expenses towards handling of all court cases including cases relating to relocation programme and the meet the expenditure for payment of fees to Govt. Pleader (Forests). More than 200 documents are still pending under relocation programme.
3	Supply of field uniform and shoes to anti-poaching watchers	10.1	4.1	MTR -Core	85 Nos	85 Nos	4.250	4.154	85 Nos	Rs.5000 per 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		8 Nos	3 Nos	31.500	13.000	9 Nos	1. Mayfield - 3.00 2.Vilangoor-3.00 3.Ombetta - 3.00 4.Cheenakolli - 3.00 5.Karbai - 3.00 6.Neerallah - 3.00 7.Kanjikatti - 3.00 8.Narathi - 3.000 9.Jodipalam (Karaikunni) - 3.000	27.00	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 repair works for its upkeep and durability and to encourage the watchers in efficient working. 09 camps are proposed on priority including camps with held for 2nd installment during 2020-21.

Sl. No.	Item of works	Para No. CCT-PT Guide lines	TCP Chapter / Para No.	Previous Year Details (2020-21)				Current year proposal 2021-22				Justification		
				Location / GPS co-ordinates	Physical		Financial		Physical target	Unit rate	Financial Target (Rupees in Lakhs)			
					Target	Achvmt	Target	Achvmt						
5	Construction of Anti-poaching camp building for existing functional camp								N11.60425 E76.60933	1 No.	Circle road - 15.00	15.00	The present Antipoaching camp Kakkannallah is temporarily functioning from old combined quarters at Kakkannallah. Hence, a separate building is proposed nearby to this area at Circle road for monitoring major area of Theppakadu Range from fire and anti-poaching.	
6	Construction of culvert	10.3							1)N.11.34531 E. 76.23354 2)N. 11.61632 E. 76.39916 3)N.11.60523	1 No.	1) Chain gate - Naradhi road in Nellkottai Range - 1 No	3.00	Like bridges culverts are also very important in maintenance of roads. Especially to control erosion the existing culverts are required to maintained including reconstruction.	
8	Conducting tiger monitoring	16.7.1	8.5	MTR -Core	LS	LS	10.000	9.999		LS	LS	10.00	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.	
i	Engaging Senior Biologist 1 No @ 26950 per months = 3.234													
ii	Data Entry Operator 1 No @ 22578 x 12 months = 2.709													
iii	8 day protocol exercise Pre-monsoon and Post monsoon = 2.000													
iv	Consumables i.e Camera trap batteries and accessories = 2.057													
9	Project allowance as per the guidelines of CSS-PT pay for all employees of staff permitted by GOI.	16.15	8.5		Total sanction 204 on roll 157 Nos	12 months	16.780	12.138		Total sanction 204 on roll 157 Nos	LS	16.78	Project allowance to the officers and staff from 1.4.2007 at the approved rate by NTCA @ Rs.2000/- for Field Director, Rs1500/- 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 (staff details enclosed in the Annexure)	
10	Engaging anti- depredation watchers to drive wild animals from Agri land.	16.10.3	5.4		15 Nos x 12 months @ Rs.12500/-	15 Nos x 12 months	22.500	18.016		15 Nos x 12 months @ Rs.12500/-	Rs.12500/- each per month	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.	

Sl. No.	Item of works	Para No. CCT-PT Guide lines	TCP Chapter / Para No.	Previous Year Details (2020-21)				Current year proposal 2021-22				Justification	
				Location / GPS co-ordinates	Physical		Financial		Physical target	Unit rate	Financial Target (Rupees in Lakhs)		
					Target	Achvmt	Target	Achvmt					
11	Payment of compensation for crop depredation, injury or loss of human life due to wild animals	16.4.3	5.4		LS	LS	2.000	1.693		LS	LS	2.00	For timely compensation of the loss incurred on depredation caused by wild animals provision is required.
12	Procurement of Computers	16.7.1	8.4		2Nos	2 Nos	2.000	1.830		2Nos	Rs.1,00,000/-	2.00	The new online payroll system Integrated Financial and Human Resource Management (IFHRMS) 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 and Accessories	16.7.1	8.4	MTR -Core	5 Nos	5 Nos	1.000	1.000		8 Nos	Rs.20,000/-	1.60	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 15 Nos.
14	Purchase of Range finders	16.7.1	8.4	MTR -Core						10 Nos	Rs.20,000/-	2.00	Range finders are required for the field staff for conducting census operation.
15	Procurement of compass	16.7.1	8.4	MTR -Core						10 Nos	Rs.8,000/-	0.80	Compass are required for field staff for conducting census operation.
<b>Eco Tourism</b>													
17	Construction of frontline staff quarters (Combined Forest Guard and Forest Watcher quarters.	16.1.21		MTR -Core	1 No.	1 No	20.000	20.000	N11.58062 E76.58594	1 No.	1.Circle road beat FG and FW quarters	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 in phased manner. One such building is proposed now.
18	Provision of Torches, Medical kit, Uniform, rain coat, hunter shoes etc., for regular staff etc.,	10.16	8.5	MTR -Core	160 @ Rs.5000	160 Nos	8.000	6.107		160 @ Rs.6000	Rs.6000 per each	9.60	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.



Sl. No.	Item of works	Para No. CCT-PT Guide lines	TCP Chapter / Para No.	Previous Year Details (2020-21)				Current year proposal 2021-22				Justification	
				Location / GPS co-ordinates	Physical		Financial		Physical target	Unit rate	Financial Target (Rupees in Lakhs)		
					Target	Achvmt	Target	Achvmt					
19	Providing ration allowance to staff in Mudumalai Tiger Reserve	16.15	8.5	MTR -Core	Total sanction 140 (eligible personnel) x 12 months	10 months	14.450	11.299		Total sanction 140 (eligible personnel) x 12 months	Rs.860/- per month / 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.
<b>TOTAL NON-RECURRING CORE</b>							<b>143.480</b>	<b>107.041</b>				<b>161.47</b>	
<b>NON RECURRING - UK BUFFER</b>													
<b>I. Anti Poaching Activities :</b>													
1	Deployment of Tiger Protection Force (Antipoaching squad)	10.1	10.2	MTR - Buffer	2 Squads x 6 watchers per Squad 12 months @ Rs.12500/ each	2 Squads x 6 watchers per Squad 12 months @ Rs.12500/ each	18.000	18.226	...	2 Squads x 6 watchers per Squad 12 months	12500 each / month	17.02	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 required one squad each.
3	Supply of field uniform, bags, shoes, etc., to anti-poaching watchers	10.1	4.1	MTR - Buffer	Buffer 115 Nos @ Rs.5000/- each	Buffer 115 Nos @ Rs.5000/- each	5.750	5.750	...	Buffer 140 Nos	5000 / each	7.00	There are 19 Nos of Anti poaching camps in this Division in all 4 Ranges. The area of of this Division is around 450 Sqkm and this is loacted among the 16 Nos of adjoining villages and the entry and exit port of tourists of state. Apart from this Anti Depredation and Tiger Squad watchers are also working. For effective perambulation and safety of APWs uniform sets and shoes are required to be supplied to the APWs and to ensure their efficient working conditions.
6	Strengthening of Anti Poaching Camps with New Elephant Proof Trench	10.5	4.1	MTR - Buffer	-	-	0	0	Arakadavupatti AP Camp N 11.578335 E076.761535	160 mts.	0.085 per Mtr	1.40	Once a Floating camp with staying facility is created for which EPT has to be provided for Arakadavupatti AP Camp for the safety and protection of the AP Watchers.

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				Location / GPS co-ordinates	Physical		Financial		Physical target	Unit rate	Financial Target (Rupees in Lakhs)		
					Target	Achvmnt	Target	Achvmnt					
7	Strengthening of Elephant Proof Trench in Anti-poaching camps with special RCC structures.	10.5	4.1	MTR - Buffer	-	-	0	0	1) N 11.57205 E 076.57655 2) N11.57608 E 076.85801	80 meter	0.10 per Mtr	8.00	The existing EPT is weaker in certain areas with rock or loose soil. Hence this portion has to be strengthened with RCC structure for safety of the AP watchers.1) <b>Bison Road Camp - 70 mts</b> 2) <b>Palamarathupatti Camp - 30 mts</b>
<b>II Conducting Tiger Monitoring :</b>													
9	Conducting tiger monitoring as per Phase IV protocol such as Logistics, Data Entry Operators, Consumables etc.,	16.7.1	8.5	MTR - Buffer	LS	LS	3.000	3.000	-	LS	LS	6.00	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, purchase of consumables, cutting the transect lines, software update,etc. Purchase of Batteries, etc., 3.00 Memory Cards / Chips, Hard disks - 1.00 Training/ Briefing, etc., - 0.50 Cutting Transect Lines - 1.50
10	Procurement of Compass, Range Finders, Measuring Tapes, etc., for Tiger Monitoring protocol, etc.,			MTR - Buffer	32 sets @ Rs.2000/- each set	-	6.400	6.400	-	10 sets Total 45 Transect Lines ( Avbl 35 Balance required 10 sets )	25000/- each set	2.50	Monitoring is the most important annual exercise of Protocols of Phase IV. The provisions are given for the equipments like Range Finders, Digital compass, Measuring Tapes, etc., used during the 8 day protocol at Transect Lines. There are 45 Transect Lines in this division. Out of 45 Transect Lines now materials are available for 35 transect lines. Hence proposed for 10 more sets.
<b>III Human Resource Development :</b>													
11	Project allowance as per the guidelines of CSS-PT pay for all employees of staff permitted by GOI.	16.15	8.5	MTR - Buffer	113 personnel	67 Nos/9 months	8.280	8.186	-	113 personnel	LS	9.55	Project allowance to the officers and staff from 1.4.2007 at the approved rate by NTCA @ Rs.2000/- for Field Director, Rs1500/- 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 (staff details enclosed in the Annexure-1)
<b>IV Addressing Man-Animal Conflict :</b>													
12	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	10 Nos/11 months	15.000	15.838	-	10 Nos @ Rs.12500 x 12 months	12500 each / month	14.18	Towards effective control of Man-animal conflict especially in Masinagudi and other habitations of this Division where man-animal conflicts happen, Anti- depredation 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.

Sl. No.	Item of works	Para No. CCT-PT Guide lines	TCP Chapter / Para No.	Previous Year Details (2020-21)				Current year proposal 2021-22				Justification	
				Location / GPS co-ordinates	Physical		Financial		Physical target	Unit rate	Financial Target (Rupees in Lakhs)		
					Target	Achmnt	Target	Achmnt					
13	Payment of compensation for crop depredation, injury or loss of human life due to wild animals	16.4.3	5.4	MTR - Buffer	LS	LS	5.000	5.000	-	LS	LS	3.00	A sum of more than Rs.10.00 lakhs to the settlement of compensation required for the timely settlement of compensation in the adjoining villagess if any loss incurred on depredation caused by wild animals.
14	Purchase of Post Mortem Kits and expenses for Postmortem activities			MTR - Buffer	LS	LS	1.500	1.500	-	LS	LS	1.50	This amount is required for expenditures incurred during Rescue operations and conducting Postmortems through out the year in MTR buffer area and the actuals will be charged.
<b>V</b>	<b>Strengthening of infrastructure</b>												
15	Purchase of GPS and related accessories	16.7.1	11.2	MTR - Buffer	5 Nos @ Rs.60,000	-	3.000	3.000	...	5 Nos	12000 each (Model : Garmin etrex 10)	0.60	There is a slight shortage of GPS instruments in this Division for effective monitoring with datas collected in the field thru AP Camps and using for other data collections. Hence provisions given for only 5 etrex GPS instruments.
17	Procurement of Rescue operation kits and accessories for treating wild animals	16.1.22	11.6	MTR - Buffer	LS	LS	3.000	3.000	...	LS	LS	2.00	This is newly formed Division hence to address an effective rescue operation accessories like Net guns, Rescue sheets, structures, flood lights , ladders and nylon ropes are essentially required for rescue, handling and safe release the wild animals.
18	Procurement of Camera traps	16.7.1	12.3	MTR - Buffer	100 @ Rs.25000/ each	-	25.000	12.028	...	25	25000 each	6.25	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 275 Camera traps and 237 Nos are required. Now it is proposed to purchase 50 Nos. in a phased manner.
19	Procurement of Computers	16.1.21	12.3	MTR - Buffer	-	-	0	0	...	2 Nos	0.70	1.40	This is required for two Range Offices where the systems have become outdated.

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				Location / GPS co-ordinates	Physical		Financial		Physical target	Unit rate	Financial Target (Rupees in Lakhs)		
					Target	Achvmt	Target	Achvmt					
20	Procurement of Printer cum xerox machine and accessories	16.1.21	12.3	MTR - Buffer	LS	LS	2.000	0.000	...	LS	LS	2.00	The new online payroll system Integrated Financial and Human Resource Management (IFHRMS) implemented from 1.4.2019 by TN treasuries Department. This is very essentially required for 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. Hence now it is proposed to purchase new printer cum xerox machines to Deputy Director's Office and Forest Range Office this year.
21	Purchase of All Terrain Vehicle for the use of Deputy Director.			MTR - Buffer	1 No	-	12.500	0.000		1 No.	13.000 Lakhs (Model : Mahindra Scorpio S7 Vehicle)	13.00	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. An amount of Rs. 12.50 lakhs was allotted during 2020-21. But due to shortage of fund this amount could not be utilized. Hence provided this year.
<b>VI Staff Welfare activities</b>													
23	Provision of Uniform, rain coat, shoes etc., for regular staff, etc.,	10.16	11.4	MTR - Buffer	113 Nos @ Rs.5,000/each	113 Nos @ Rs.5,000/each	5.650	5.650	...	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 and supplied.
24	Providing ration allowance to staff in Mudumalai Tiger Reserve	16.15	8.5	MTR - Buffer	79 personnel @ Rs.860 x 12 months	79 personnel @ Rs.860 x 12 months	8.150	7.596	...	79 personnel @ Rs.860 x 12 months	Rs. 860 each	8.26	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.
<b>TOTAL FOR NON-RECURRING - UK :</b>							<b>122.230</b>	<b>95.174</b>				<b>109.30</b>	

	<b>TIGER BEARING AREA</b>												
	<b>Mukkurthi National Park</b>												
1	Conducting Tiger Census				1 No	1 No	0.750			1 No	Rs.75000/-	0.75	Conducting census annually as per the NTCA guidelines

Sl. No.	Item of works	Para No. CCT-PT Guide lines	TCP Chapter / Para No.	Previous Year Details (2020-21)				Current year proposal 2021-22				Justification	
				Location / GPS co-ordinates	Physical		Financial		Physical target	Unit rate	Financial Target (Rupees in Lakhs)		
					Target	Achvmt	Target	Achvmt					
<b>Nilgiris Division</b>													
1	Engaging Anti-depredation watchers for 12 months				10 Nos x 12 months	10 Nos x 12 months	15.000	11.130		10 Nos x 12 months	Rs. 12500/- per month	15.00	To tackle the man animal conflict Anti-depredation watchers are required throughout year.
<b>Gudalur</b>													
1	Wages to anti-depredation squad watchers for 12 months				8 Nos x 12 months	8 Nos x 12 months	12.000	8.910		8 Nos x 12 months	Rs. 12500/- per month	12.00	To tackle the man animal conflict Anti-depredation watchers are required throughout year.
<b>TOTAL NON-RECURRING TIGER BEARING AREA</b>							<b>27.750</b>	<b>20.040</b>				<b>27.75</b>	
<b>TOTAL NON RECURRING</b>							<b>293.460</b>	<b>222.255</b>				<b>298.53</b>	
<b>RECURRING-CORE</b>													
1	Engaging Anti-poaching watchers	16.1.2	10.3	MTR -Core	75 Nos x 12 months	75 Nos x 12 months	112.500	104.067		75 Nos x 12 months	Rs.12500 per month / each	112.50	Anti-poaching watchers are engaged predominantly from tribal communities, who are the mainstay behind succesful protection status of MTR.
2	Equipping Antipoaching camps by providing ruck sacks, powerful torches, chargers, cots, Kitchen utilities etc.,	10.16	10.3	MTR -Core	17 camps	17 camps	2.550	2.550		17 camps	Rs.15000 per camp / each	2.55	Anti-poaching camps are to be well equipped with minimum requirement. Hence the provision is made annually as required.
3	Annual maintenance of firelines in fire vulnarable loactions	16.2.14	10.4	MTR -Core	200 km	200 km	28.440	27.260	Enclosed seperately	200 km	Rs.14183/- per km	28.36	Maintainance 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 mts. will be cleared and scrapped as a barrier for fire.
4	Engaging fire watchers 40 Nos. x 4 months	16.2.14	10.4	MTR -Core	40 x 4 months = 160 nos	40x2 months	18.960	7.970		40 x 4 months = 160 nos	25 mandays x 452.15 = 11819	18.91	To perambulate vulnerable areas and to bolster fire-fighting operations fire watchers are engaged during fire-season.
5	Upkeep of fire control room including provision of water, communication charges, energy food etc., including wages.	10.2	10.5	MTR -Core	1 No	1 No	2.000	1.382		LS	LS	2.00	Essential to run a centralised "Control room" to monitor protection status and undertake immediate response / providing required assistance on crisis situations including consumables.

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				Location / GPS co-ordinates	Physical		Financial		Physical target	Unit rate	Financial Target (Rupees in Lakhs)		
					Target	Achvmt	Target	Achvmt					
6	Additional fuel for the vehicles during fire season-LS	16.2.14	10.4	MTR -Core	LS	LS	2.000	0.227		LS	LS	2.00	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.
7	Cost of office stationeries in the office of Field Director, Deputy Director and Range Officers.	10.3	4.7	MTR -Core	LS	LS	2.000	2.000		LS	LS	2.30	This amount is proposed for use of stationery in offices of the Field Director, Deputy Director and Forest Range Officers including final printing of approved TCP and other management plans.
8	Maintenance of office equipments like Computer, Xerox Machine, Printer, UPS and other equipments etc.,	10.3	4.7	MTR	LS	LS	2.000	2.000		LS	LS	3.00	Maintenance of office equipments are required for proper functioning and reporting
9	Engaging computer operators - 8 Nos	16.2.27	4.7	MTR -Core	7 nos x12 months	7 Nos x 12months	18.970	15.132		8 nos x12 months	Rs.20125+5% escalation =21551/ each per month	18.10	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.
10	Improvement of water holes by desilting and minor repairs etc.,	10.3	4.7	MTR -Core	1) Irish bridge - 2) Imbrellah	1 No	4.000	2.000	N.11.62496 E.76.55932  N.11.66647 E.76.51277  N.11.59727 E. 76.57484	3 Nos	Irish bridge Check dam - 2.50  Bongaravayal Percolation Pond 2.50  Ponnamgiri percolation pond 5.00	3.00	The water holes provides water to wildlife regularly. In order restore the original capacity, to increas the water regime and to maintain the structure for ensuring water availabiltiy to willdife during dry season provision is made. 02 minor water holes and 01 major check dam and 1- Irish bridge (withheld for 2nd installment works during 2019-20) are proposed.

Sl. No.	Item of works	Para No. CCT-PT Guide lines	TCP Chapter / Para No.	Previous Year Details (2020-21)				Current year proposal 2021-22				Justification	
				Physical		Financial		Physical target	Unit rate	Financial Target (Rupees in Lakhs)			
				Location / GPS co-ordinates	Target	Achvmnt	Target				Achvmnt		
11	Maintenance of habitat by continuous removal / working of exotic weeds including removing remnant and new recruits of weeds like Lantana etc.,		9.3	MTR -Core	80 ha	31.70 ha	13.270	5.016	80 ha	35 mandays x 472.75 =16546	13.24	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 in Eco tourism zone. <b>(FSL was approved in PCCF. Ref.No. TS1/ 30403/ 2013, dt.21.10.2014)</b>	
12	Maintenance of Vayals for restoring grass lands and augmentation of water etc. by fresh removal of exotic weeds.	16.3.1	9.3		30 ha	30 ha	20.000	16.963	30 ha	35 mandays x 472.75 = 16546	4.96	Vayals are also a very important to be maintained for the welfare of wildlife to provide fodder and water resources. 1) Clearing weeds 100 ha @ Rs.17407/- = Rs.1740700/- or Rs.500000/-	
13	Fresh removal of invasive species, Lantana camara, Senna spectabilis, eupatorium etc.,	9.3		MTR Core					Mudumalai Range 11.61693 76.41577 Nellakottai Range 11.57859 76.40746 Kargudi Range 11.57502 76.55487 Theppakadu Range N11.58667 E76.6019	20 Ha @ (100 Mandays x Rs.49736/ Ha.	100 Mandays @ Rs.452.15/ mandays + 10% escalation = 49736 per Ha		Removal of exotics, like Lantana, is aimed at not only creating pasture lands distributed all over the reserve - for even distribution of prey animals - but also serve as major fire breaks and create "corridors" for dispersal of animals and additional patrol paths with respect to carrying capacity in approved Tiger Conservation Plan. <b>(FSL was approved in PCCF. Ref.No. TS1/30403/2013, dt.21-10-2014)</b>
14	Renewal / maintenance of awareness boards/ publicity materials in tourism zone.				LS	LS	2.000	2.000	LS	LS	2.00	Roads such as Highways, Major District roads are passing through Mudumalai Tiger Reserve. Further Elephant camp is situated at Theppakadu. 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 the existing boards are needed to be maintained appropriately with renewal, re-painting etc.,	
15	Procurement of tranquilizing equipment and medicines		5.4	MTR -Core	LS	LS	3.000	2.098	LS	LS	3.00	Tranquilising equipments, including medicines required is a <i>sine qua non</i> for management of departmental elephants and also marauding wild animals.	
17	Procurement / maintenance of wireless equipments such as base sets, walkie talkies, batteries, antenna etc.,		10.3	MTR -Core	LS	LS	5.000	3.705	LS	LS	3.00	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.	

Sl. No.	Item of works	Para No. CCT-PT Guide lines	TCP Chapter / Para No.	Previous Year Details (2020-21)				Current year proposal 2021-22				Justification		
				Location / GPS co-ordinates	Physical		Financial		Physical target	Unit rate	Financial Target (Rupees in Lakhs)			
					Target	Achvmt	Target	Achvmt						
18	Maintenance of fair weather roads leading to antipoaching camps		11.3		1) Chickkallah - Agnibetta - 2 km - 40.00 2) Kanjikatti 0.50 km - 10.00	1.30 km		50.000	30.000	N 11.58498 E 076.44050 N 11.57212 E 076.54629 N 11.57235 E 076.54655		Mukkatty Bennai Road-2km- 56.000	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 to existing width (without widening) including side drain to ensure mobility for protection.
19	Maintenance of vehicles (jeep, lorry) including lubricants		11.3	MTR -Core	LS	LS	2.000	1.131	...	LS	LS	2.00	Needed to keep vehicles in good shape and condition for efficient transport	
21	Improvements and maintenance to Staff quarters		8.5		14 Nos	7 Nos	50.000	33.238	N.11.58147 E. 76.38419  N.11.56202 E.76.38380  N.11.56132 E. 76.38433  N.11.58034 E. 76.58137  N. 11.58407 E. 76.36650  N.11.57201 E.76.55645  N.76.55603 E. 11.57305  N.76.55625 E. 11.57305  N.76.55625 E.11.39709  N.76.69428 E.11.57189  N.76.55640 E.11.39709	11 Nos	1.Bennai beat FG and FW qtrs-5.000  2.Nellakottai Range officer qtrs-10.000  3.Bennai special beat FG and FW qtrs-5.000  4.Combined quarters for mahouts - 10.000  5.Forester qtrs Kargudi - 3.000  6.FG and FW combined qtrs in Kargudi beat - 2.000  7.Single Office Asst qtrs in Kargudi - 5.000  8.Subordinate line II staff qtrs at Theppakadu - 10.000  9.Kargudi FRO II quarters 12.00  10.Staff quarters at Fern hill Ooty - 3.00  11) FRO quarters at Theppakadu-5.00	35.00	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., New Forester, Forest Guard and Forest Watcher have been recruited recently through TNFR Board. Hence, to accomodate the staff maintenance of quarters are essential.	



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				Physical		Financial		Physical target	Unit rate	Financial Target (Rupees in Lakhs)			
				Location / GPS co-ordinates	Target	Achvmt	Target				Achvmt		
								N.76.69428 E.11.57905		12) Labour line at Theppakadu - 3.00			
22	Water supply and eco-sanitation to Staff colonies.			Kargudi 1 No.	1 No.	6.000		N.11.57169 E.76.55632 N.11.39740 E.76.69427 N.11.575354 E.76.478498	2 Nos	1) Staff colony @ Kargudi - 5.000 2) Staff colony at Fernhill - 2.00 3) Staff colony at Bospara - 3.00	8.00	Regular maintenance of water supply system and sanitation facilities are essential for day to day use by the staff. Maintenance including some improvement works are proposed.	
23	Improvement and maintenance of non-residential building.			6 Nos	1 No	10.000	2.000	N.11.571642 E.76.544966  N.11.61748 E.76.59249  N.11.58108 E.76.582222  N.11.41315 E.76.71565  N.11.57169 E.76.55632	7 Nos	Deputy Director camp office-5.00.  Kakkanallah checkpost. 3.00  Reception centre. 3.00  Wireless sub station at Udhagai 2.00  Range Office at Kargudi 6.00	19.00	Non residential buildings as used for protection purpose including watch towers for fire monitoring and for effective administration. Their upkeep is very much essential for their durability as well. 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.,	
24	Provision of LPG for elephant camps			600 cylinders	400 cylinders	7.500	7.479		720 cylinders	Rs.1500/- per cylinders	10.80	On an average 60 LPG cylinders (commercial) would be consumed per month. Therefore the cost includes (@0.015x365 days= Rs.10.80 Lakhs.	
25	Strengthening of bridges / cause way			1 No. Googula Narathi	1 No	10.000	10.000	N11.66092 E76.49618	1 No.	Chikkatti beat-cause way at Dodallah stream	10.00	Cause way are also integral part of the road especially at water logged area. To ensure water to escape cause ways are to be maintained. Which are also used has road for protection purpose.	
						<b>372.190</b>	<b>278.218</b>				<b>353.72</b>		
<b>RECURRING AREA - UE BUFFER</b>													
<b>I</b>	<b>Anti-Poaching</b>												
1	Establishment of Highway patrolling squads the help of local people	16.1.2	10.3	MTR - Buffer	2 squads @ Rs.38,000/- each per month	2 squads @ Rs.38,000/- each per month	9.120	6.592	...	2 Squads for 12 months	Rs. 38000 each squad per month	9.12	There are 5 major highways across this division areas i.e Kalhatty to Theppakadu, Masinagudi to Moyar, Masinagudi to Bokkapuram and Masinagudi to Siriyur 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.

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				Location / GPS co-ordinates	Physical		Financial		Physical target	Unit rate	Financial Target (Rupees in Lakhs)		
					Target	Achvmt	Target	Achvmt					
2	Engaging Anti-poaching watchers	16.1.2	13.2	MTR - Buffer	65 Nos x 12 x @ Rs.12500/-	65 Nos x 12 x @ Rs.12500/-	97.500	82.419	...	65 Nos x 12 x @ Rs.12500/-	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. Only 13 AP camps are accounted for this purpose under Project Tiger. Hence proposed.	
3	Equipping the Anti poaching camps by providing camp cots, torches, chargers, etc.,	10.16	13.2	MTR - Buffer	19 camps @ Rs.40,000/-	19 camps @ Rs.40,000/-	7.600	7.600	...	20 camps	Rs.10000/- each camp	2.00	All the Anti Poaching camps have to be equipped with Camp cots, chargers, etc., This will increase and intensify the patrolling and monitoring system. Hence proposed.
4	Secret service fund and rewards for all category of staff and incentives for gathering intelligence.	10.1	13.5	MTR - Buffer	LS	LS	1.000	1.000	...	-	-	-	Gathering intelligence through surveillance of suspects and vulnerable locations is essential and will encourage the staff to work efficiently and sincerely.
5	Annual maintenance of anti-poaching camp buildings including minor repairs.	10.1		MTR - Buffer	8 Nos. @ 0.60 / each	8 Nos. @ 0.60 / each	4.800	4.800	1) N 11.61334 E 076.74816 2) N11.54455 E 076.56992 3) N 11.55627 E 076.60814 4) N 11.53293 E 077.00548	4 Nos.	Rs. 1.20 lakh each	4.80	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. <b>Masinagudi Range 1. Palthatty, 2. Bison Road</b> <b>Singara Range 3. JD Road Camp</b> <b>Nilgiris Eastern Range</b> <b>4. Kallampalayam Camp</b>
6	Strengthening Anti-poaching camp with toilet & kitchen shed etc.,	16.1.3	4.1	MTR - Buffer	3 Nos. @ 3.00 lakhs each	1 No. @ 3.00 lakhs each	9.000	3.000	1) N 11.57301 E 076.70586 2) N 11.59148 E 076.80707 3) N 11.59053 E 076.62769	5 Nos	3.00 lakhs each	9.00	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. Jagalikedavu, 2. Asuvaramattam and 3. Kootraparai
7	Strengthening Anti-poaching camps by providing Solar Pumping system / reworking the existing Borewell for providing water facilities.	16.1.3	4.1	MTR - Buffer	2 Nos. @ 7.50 lakhs each	2 Nos. @ 7.50 lakhs each	15.000	15.000	1) N 11.57294 E 076.83466 2) N 11.57301 E 076.70586	3 Nos.	LS	12.00	There are 19 Anti-poaching camps available in this division. The following AP Camps having Borewell are not functional and hence reworking the Borewell or digging new borewell and providing Solar powered pumping system will ensure water facility to that camp which in turn will improve effective functioning of AP watchers in Protection. Hence proposed. 1. Konamasi AP Camp, Segur Range - 9.00 lakhs 2. Jagalikedavu AP Camp, Segur Range - 3.00
<b>II</b>	<b>Fire Control</b>												

Sl. No.	Item of works	Para No. CCT-PT Guide lines	TCP Chapter / Para No.	Previous Year Details (2020-21)				Current year proposal 2021-22				Justification	
				Location / GPS co-ordinates	Physical		Financial		Physical target	Unit rate	Financial Target (Rupees in Lakhs)		
					Target	Achvmt	Target	Achvmt					
8	Annual maintenance of firelines including block line state boundry and animal paths.	16.2.14	10.4	MTR - Buffer	400 km @ Rs.14220/- per km	270 km @ Rs.13625/- per km	56.880	36.786	List of Co-ordinates enclosed separately	400 kms	Rs.14182/- per km	56.73	Maintainance 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 mts. will be cleared and scrapped as a barrier for fire. In this Division a length of 400 kms fireline has to be annually cleared. The rates provided is FSR 2020-21 rates +5% escalation
9	Engaging fire watchers for 4 months	16.2.14	10.4	MTR - Buffer	100 Nos x 4 months @ Rs.10847/-	40 Nos x 4 months @ Rs.11354/-	47.390	18.166	...	60 Nos @ 15 Nos for each Range for 4 months	Rs.11819/- each per month	28.36	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. The rates provided is FSR 2020-21 rates +5% escalation
10	Additional diesel for the vehicles during fire season and other emergency situations.	16.2.14	10.4	MTR - Buffer	LS	LS	4.000	2.950	...	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 Kotagiri and the areas of this range i.e Thengumarahada 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.
11	Cost of office stationeries for use in the DD office and Range Offices	10.3	4.7	MTR - Buffer	LS	LS	1.500	0.000	...	LS	LS	1.00	Additional office stationeries are required in the DD Office and all Range Offices for preparation of returns, reports, plans, etc., to be sent to the NTCA and other Higher Officials. Hence the provisions.
<b>III Improvement/Upgradation/ Maintenance of existing buildings / infrastructure</b>													
12	Maintenance of office equipments like Computer, Xerox Machine, Printer, UPS, Solar power and other equipments etc.,	10.3	4.7	MTR - Buffer	LS	LS	4.000	4.000	...	LS	LS	2.00	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.
13	Engaging computer operators.	16.2.27	4.7	MTR - Buffer	6 Nos @ Rs.23822 x 12 months	6 Nos	17.150	12.536	...	6 Nos for 12 months	Rs. 22578/- each per month	16.25	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. Moreover one Technical Asst. is essentially required for assisting with all technical works in the project. The unit rate is based on last year District Collectorate rate with 10% escalation. Deputy Director Office - 2 + 1 Technical assistant and each one Comp. Operator for 4 Range Offices
<b>IV Habitat Improvement and Water development</b>													

Sl. No.	Item of works	Para No. CCT-PT Guide lines	TCP Chapter / Para No.	Previous Year Details (2020-21)				Current year proposal 2021-22				Justification	
				Physical		Financial		Physical target	Unit rate	Financial Target (Rupees in Lakhs)			
				Target	Achvmt	Target	Achvmt						
14	Improvement of smaller water holes by desilting and minor repairs etc.,		9.3	MTR - Buffer	8 Nos @ Rs. 0.60 each	7 Nos @ Rs. 0.60 each	4.800	4.200	1) N11.56671 E 076.61112 2) N11.566141 E 076.65597 3) N 11.55626 E 076.95406 4) N11.52665 E077.00165 5) N 11.54065 E 076.67624 6) N 11.53696 E 076.66687 7) N 11.54798 E 076.75562 8) N 11.55133 E 076.79292	4 Nos	Rs. 1.00 each	4.00	The existing smaller water holes like checkdams, Percolation Ponds and 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. 1) Masinagudi Range 2) NES Range 3) Singara Range 4) Segur Range
15	Providing water to wildlife during pinch period.		9.3	MTR - Buffer	300 trips @ 1300 lits per trip during dry season @ Rs. 1500/- per trip	300 trips @ 1300 lits per trip during dry season @ Rs. 1500/- per trip	4.500	4.500	...	400 trips @ 1300 liters per trip during dry season	Rs. 1600/- per trip	6.40	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 and this in turn ensure mitigation of Human Animal conflicts. Hence the proposal.
16	Immunization of domestic animals in the villages		9.3	MTR - Buffer	LS	LS	1.000	1.560	...	2 Camps	Rs. 0.60 lakh per camp	1.20	Immunization of all cattles in and around the Reserve will be done to avoid spread of diseases from domestic cattle to wild animals. In Masinagudi area about 8000 cattles exist.

Sl. No.	Item of works	Para No. CCT-PT Guide lines	TCP Chapter / Para No.	Previous Year Details (2020-21)				Current year proposal 2021-22			Justification	
				Location / GPS co-ordinates	Physical		Financial		Physical target	Unit rate		Financial Target (Rupees in Lakhs)
					Target	Achvmnt	Target	Achvmnt				
17	Maintenance of habitat by continuous removal of exotic weeds working including removing remnant and new recruits of weeds like Lantana etc., Light Growth 3rd Year maintainance	16.3.1	9.3	MTR - Buffer	-	-	0	0	200 Ha	24.05 Mandays @ Rs.452.15/ mandays = RS 11322.36 per Ha	22.64	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 remanants 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 in FSR 2020-21 rate for 3rd year maintenance for Light growth 4 Ranges @ 50 Ha / each 1) Masinagudi Range 2) NES Range 3) Singara Range 4) Segur Range

Sl. No.	Item of works	Para No. CCT-PT Guide lines	TCP Chapter / Para No.	Previous Year Details (2020-21)				Current year proposal 2021-22				Justification	
				Location / GPS co-ordinates	Physical		Financial		Physical target	Unit rate	Financial Target (Rupees in Lakhs)		
					Target	Achvmt	Target	Achvmt					
18	Maintenance of habitat by continuous removal of exotic weeds working including removing remnant and new recruits of weeds like Lantana etc., Medium Growth 2nd Year maintainance	16.3.1	9.3	MTR - Buffer	200 Ha. @ Rs. 16588 per ha.	200 Ha. @ Rs. 15895.25 per Ha.	33.180	33.180	1) N11.60502 E076.61984 & N11.57600 E076.63556 N11.60356 E076.65570 & N11.58497 E076.65893 2) N11.52383 E076.70267 N11.53295 E076.67101	104 Ha	45.65 Mandays @ Rs.452.15/ mandays + 10% escalation = RS 22705 per Ha	22.64	During 2020-21 Fresh Removal of Lantana heavy growth was done in this Division in an area of 104 Ha. Hence it is essential to maintain those areas by removing the remanants 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 in FSR 2020-21 rate for 2nd year maintenance for Medium growth 1) Masinagudi Range -54 Ha. (Kooturaparai Road, Gaviallah Road) 2) Singara Range- 50 Ha ( Vazhzhithottam, Rattamanaikavai)
19	Fresh removal of invasive species, Lantana, Opuntia, etc., - Heavy Growth.	16.3.1	9.3	MTR - Buffer	100 Ha @ Rs.47400/ ha	104 Ha @ Rs.45415/ ha	47.400	47.432	1) N11.60502, E076.61984 & N11.57600, E076.63556 N11.60356, E076.65570 & N11.58497, E076.65893 N11.57901, E076.59214 & N11.57008, E076.62716 N11.56551, E076.61214 & N11.54938, E076.57441 2) N 11.53238 E 076.66093 N 11.54628 E 076.66063 N 11.52548 E 076.66949	50 Ha	100 Mandays @ Rs.452.15/ mandays = 47275 per Ha	23.63	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 fire breaks and create "corridors" for dispersal of animals and additional patrol paths with respect to carrying capacity approved. Masinagudi Division of Mudumalai Tiger Reserve is created during March 2018 and it was bifurcated from Nilgiris North Division. There are any removal works made in this areas of the former division. Hence, there is lot of exotic weeds to be removed. The rate provided is with 10% escalation of previous years rate of Fresh Removal in Heavy Growth. Hence proposed. 1) Masinagudi Range -25 Ha. 2) Singara Range -25 Ha.

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				Physical		Financial		Physical target	Unit rate	Financial Target (Rupees in Lakhs)			
				Location / GPS co-ordinates	Target	Achvmt	Target				Achvmt		
<b>V</b>	<b>Eco-tourism</b>												
20	Renewal / maintenance of awareness boards/publicity materials in tourism zone.		7.2	MTR - Buffer	L.S	L.S	2.000	0.000	...	L.S	LS	2.00	There are 5 major highways across this division areas i.e Kalthatty to Theppakadu, Masinagudi to Moyar, Masinagudi to Bokkapuram and Masinagudi to Sيريur 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.,
<b>VI</b>	<b>Human Resource Development</b>												
21	Conducting medical camps in the fringe villages.			MTR - Buffer	-	-	0	0		2 camps	Rs.25,000/- per camp	0.50	To enlist support of local people in wildlife management it is essential to conduct this medical camps and give free treatment in Masinagudi, Anaikatty, Vazhathottam and Thengumarahada areas.
<b>VII</b>	<b>Addressing Man-Animal Conflict</b>												
22	Formation of New Elephant proof trenches.	10.5	10.6	MTR - Buffer	-	-	0.000	0.000	N11.55840 E 076.94986	120 Mtrs	Rs. 8500 per RM	1.02	Elephant Proof Trench is required for Hallimoyar Forest Quarters of NES Range to ensure the protection of the field staff from wildlife attacks.
<b>VIII</b>	<b>Strengthening of infrastructure within Tiger Reserve</b>												
23	Strengthening of Watch Tower for monitoring of fire and other illegal activities	10.4	10.4	MTR - Buffer	2 Nos @ 1.00 lakh each	-	2.000	0.000	1) N 11.549953 E 076.757931 2) N 11.51332 E 076.78055 3) N 11.53900 E 076.68417 4) N 11.49682 E 076.68948	4 Nos	Rs. 2.00 lakh each	4.00	The watch towers established for monitoring for fire and other illegal activities have to be maintained appropriately for continuous effective operation. The works such as painting of structures, including minor repairs, maintenance of EPT and other equipment / accessories etc., are to be done in the following existing watch Towers. <i>Segur Range</i> : 1. Anaikatty & 2. Ebbanad <i>Singara Range</i> : 3. Mavanallah & 4. Bison View
24	Maintenance of fair weather roads including repairing of bridges, culverts and reformation of side drains in tourism zone, etc. Erecting Barricades		10.3	MTR - Buffer	15 Nos. Barricade gates @ Rs. 25000 each	15 Nos. Barricade gates @ Rs. 25000 each	3.750	3.750	1) N 11.54815 E076.63085 2) N 11.55573 E076.74786 3) N 11.53783 E076.783551 4) N11.57057 E076.63258 5) N11.57633 E076.65348 6) N11.55365 E076.66800	7 Nos. of Barricade gates or Chain gates	28000 each	1.96	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 7 locations as follows : <i>Singara Range</i> : 1.Vibuthimalai <i>Segur Range</i> : 2.Asuvaramattam Road, 3. Thenparai Road <i>Masinagudi Range</i> : 4. Manradiar Road, 5. Kootraparai Road, 6. Kethan kalvai Road & 7. Viewpoint Road

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				Physical		Financial		Physical target	Unit rate	Financial Target (Rupees in Lakhs)			
				Target	Achvmt	Target	Achvmt						
25	Procurement / maintenance of wireless equipments such as base sets, walkie talkies, batteries, antenna, etc.,		10.3	MTR - Buffer	LS	-	5.000	0.000	...	LS	LS	3.00	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.
26	Addl. Maintenance of vehicles (jeep, lorry) including lubricants		11.3	MTR - Buffer	LS	LS	3.000	1.212	...	LS	LS	3.00	This provision is given for better upkeep of the vehicles used for patrolling & protection works. The regular maintenance funds are not sufficient for the enormous usage of these vehicles which are always to be in good conditions for using in emergency.
<b>IX</b>	<b>Staff development and capacity building</b>												
27	Conducting training in various aspects to the staff with the help of specialised personnel / institution		8.4	MTR - Buffer	LS	-	2.000	0.000	...	LS	LS	2.00	The amount required for giving training to the field staffs regarding wildlife management eco tourism techniques and responsibility of tourism biodiversity management forest rescue protection and forest wildlife laws.
<b>X</b>	<b>Staff Welfare activities</b>												
29	Improvements and maintenance to Staff quarters		8.5	MTR - Buffer	4 Nos. @ LS	3 Nos. @ LS	21.000	13.000	1) N 11.53078 E 076.70362 2) N 11.53077 E 076.70361 3) N 11.53077 E 076.70363 4) N 11.54830 E 076.75805 5) N 11.56750 E 076.63801 6) N 11.54549 E 076.67906 7) N 11.47663 E 076.68343 8) N 11.55480 E 076.94986 9) N 11.57563 E 076.64715 10) N 11.57536 E 076.64721	9 Nos @ LS	LS (Breakup of total is given in remarks)	20.00	Maintenance of Staff Quarters is quiet essential like works including renewal of damaged roofing floors with tiling, upgrading bathroom and toilet facilities, re-arrangement of electricals, repairs to joineries and other minor repairs to the structures including painting the buildings etc., <b>Segur Range</b> 1. Vazhathottam checkpost qrts - 8 lakhs 2. Segur Forester Quarters - Rs. 1.00 lakhs 3. Segur North & South Beat Quarters - 2 Nos - 2.00 lakhs 4. Anaikatty Bungalow watcher Quarters - 2.00 lakhs  <b>Singara Range</b> 5. Foresters Combined quarters - 4.00 lakhs 6. Mavanallah combined Quarters - 3.00 lakhs 7. Kalhatty CP Quarters - 4.00 lakhs <b>Nilgiris Eastern Slopes Range</b> 8. Hallimoyar Beat Quarters - 4.00 lakhs <b>Masinagudi Range</b> 9. Bungalow Watcher Quarters - 4.00 lakhs 10. FG cum Driver Qrts, Masinagudi - 6.00 lakh



Sl. No.	Item of works	Para No. CCT-PT Guide lines	TCP Chapter / Para No.	Previous Year Details (2020-21)				Current year proposal 2021-22				Justification	
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				Target	Achvmnt	Target	Achvmnt						
30	Improvement and maintenance of residential building.		4.7	MTR - Buffer	LS	LS	5.000	0.300	1) N 11.568083 E076.638088 2) N 11.56798 E076.63778 3) N 11.53078 E076.70361 4) N11.56225  E076.92788 5) N11.57505  E076.64654	5 Nos. of Building	LS (Breakup of total is given in remarks)	10.00	Maintenance of Office buildings and other essentially required buildings is a part of quality management. The works include renewal of damaged roofing floors with tiling, upgrading bathroom and toilet facilities, re-arrangement of electricals, repairs to joineries and other minor repairs to the structures including painting the buildings etc., 1. Trekking Shed at Masinagudi - 5.00 lakhs 2. DD Camp Office - 5.00 lakhs 3. Vazhathottam CP - 1.00 lakh 4. Thengumarahada Trekking shed - 15.00 lakhs 5. Tiger Lab & Veterinary unit Building at Masinagudi - 15.00
XI	Research, Providing equipments (Camera traps, GPS, etc.,) Computer soft ware, All India Estimation of Tiger Co-predators/Prey animals Habitat Monitoring and Evaluation.												
31	Research and survey operation for vulture conservation.			MTR - Buffer	-	-	0	0		LS	LS	3.00	Conducting research work for the management by survey operation for vulture conservation is much essential. There are three vulture population sites in this Division and it is one of most important Vulture populated area in South India. It is essential to have a survey study on Vultures to regularly monitor their population dynamics.
32	Conducting study / Survey of Birds & Butterflies in MTR Masinagudi Division			MTR - Buffer	-	-	0	0		LS	LS	3.00	It is much essential have a data of the availability of Birds and Butterflies with its species identification in the Division area as a management aspect. Hence provisions given for a study and survey including publishing a book.
<b>TOTAL FOR RECURRING - UE :</b>							<b>409.570</b>	<b>303.983</b>				<b>376.75</b>	
<b>Tiger Bearing area - Mukkurthi National Park</b>													
1	Removal of weeds wattle				200 ha	167 ha	28.440	23.747	N.11.24268 E.76.51885 N.11.23778 E.76.52188 N.11.23155 E.76.51652 N.11.23316 E.76.51486	100 ha	35 mandays x 472.75 =16546	16.55	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 Mukkurthy National Park in a phased manner.

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				Physical		Financial		Physical target	Unit rate	Financial Target (Rupees in Lakhs)			
				Location / GPS co-ordinates	Target	Achvmnt	Target				Achvmnt		
2	Maintenance of Firelines				20 km @ Rs.12927/-	20 km	2.840		N.11.19547 E.76.184361 N.11.19367 E.76.45454 N.11.20878 E.76.47247	40 km	30 mandays x 472.75 = 14183	5.67	There is a network of firelines available in Mukurthy National Park which needs annual clearance. Only some portion of such firelines are included in this proposal.
3	Hiring Fire protection Watchers for 4 months from December to March				5 Nos x 4 months @ Rs.10770/-		2.370			5 Nos x 4 months @ Rs.12434	25 mandays x 472.75 = 11819	2.36	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.
<b>Total</b>							<b>33.650</b>	<b>23.747</b>				<b>24.58</b>	
<b>TIGER BEARING AREA</b>							<b>33.650</b>	<b>23.747</b>				<b>24.58</b>	
<b>Total Recurring</b>							<b>815.410</b>	<b>605.948</b>				<b>755.05</b>	
<b>GRAND TOTAL</b>							<b>1108.870</b>	<b>828.203</b>				<b>1053.58</b>	

(Rs. in lakhs)

Sl No	Items	Sanction	Central Assistance
1	Non Recurring (60%)	298.53	179.12
2	Recurring (50%)	755.05	377.53
	<b>Total</b>	<b>1,053.58</b>	<b>556.64</b>

(Rs. in lakhs)

Cost of APO including State's share	A	1,053.58
Center's share in APO	B	556.64
1st release @25% of Center share	C	139.16
Less: Unspent balance FY 2020-21	D	0.007
Adjusted first release	E=C-D	139.15
Balance of Central share to be released	F=0.75*B	417.48