

F. No. 4-1(60)/2022-PT
Government of India
Ministry of Environment, Forest and Climate Change
Project Tiger Division

B-1 Wing, 7th Floor,
Pt. Deendayal 'Antyodaya' Bhawan,
CGO Complex, Lodhi Road,
New Delhi-110003.
Tel (EPABX): 011-2436 7837-39
Fax: 011 – 2436 7836
Dated: 17.01.2023

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 (a) Anamalai, (b) Kalakad Mundanthurai (c) Mudumalai (d) Sathyamangalam and (e) Srivilliputhur Megamalai Tiger Reserve, Tamil Nadu State during 2022-23 –1st installment – reg.

Sir,

I am directed to convey the administrative approval of the competent authority to the continuance of the Scheme 'Project Tiger' in (a) Anamalai, (b) Kalakad Mundanthurai (c) Mudumalai (d) Sathyamangalam and (e) Srivilliputhur Megamalai Tiger Reserves, Tamil Nadu, at the cost of Rs. 4081.74 Lakhs (Rupees Four Thousand Eighty One Lakhs Seventy Four Thousand Only) as per details given in the table at Annexure. Of the total cost of the Scheme, Rs. 1369.77 Lakhs (Rupees One Thousand Three Hundred Sixty Nine lakhs Seventy Seven thousand only) being the recurring cost of the scheme will be shared on 60:40 basis by the Government of India and 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. 501.3536 Lakh (Rupees Five Hundred One Lakhs Thirty Five Thousand Three Hundred Sixty only) as the 1st installment of Central Share towards the Grants-in-aid to Government of during the current financial year 2022-23. 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.



राजेन्द्र गारवाड़/RAJENDRA G. GARAWAD
उप वन महानिरीक्षक/Dy. Inspector General of Forests

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पर्यावरण, वन एवं जलवायु विभाग
Ministry of Environment, Forest and Climate Change
भारत सरकार नई दिल्ली/Dept. of India New Delhi

- 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 **(a) Anamalai, (b) Kalakad Mundanthurai (c) Mudumalai (d) Sathyamangalam and (e) Srivilliputhur Megamalai Tiger Reserves, Tamil Nadu** 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 **(a) Anamalai, (b) Kalakad Mundanthurai (c) Mudumalai (d) Sathyamangalam and (e) Srivilliputhur Megamalai Tiger Reserves, Tamil Nadu** 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 in respect of **(a) Anamalai, (b) Kalakad Mundanthurai (c) Mudumalai (d) Sathyamangalam and (e) Srivilliputhur Megamalai Tiger Reserves, Tamil Nadu** may furnish their performance-cum-achievement report on or before 31.3.2023.
- x. **Tamil Nadu** 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 2022-23 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 **(a) Anamalai, (b) Kalakad Mundanthurai (c) Mudumalai (d) Sathyamangalam and (e) Srivilliputhur Megamalai Tiger Reserves, Tamil Nadu** 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 **(a) Anamalai, (b) Kalakad Mundanthurai (c) Mudumalai (d) Sathyamangalam and (e) Srivilliputhur Megamalai Tiger Reserves, Tamil Nadu** 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, **(a) Anamalai, (b) Kalakad Mundanthurai (c) Mudumalai (d) Sathyamangalam and (e) Srivilliputhur Megamalai Tiger Reserves, 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 Tiger Conservation Plan (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. All guidelines under the project is to be followed scrupulously.



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भवन, सी.जी.ओ. कॉम्प्लेक्स, लोधी रोड, नई दिल्ली-110003
भारत सरकार नई दिल्ली / Govt. of India New Delhi

- xxxvii. 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 **Tamil Nadu** and uploaded on the website of the implementing agency as well as the Ministry for public access.
- xxxviii. The measurable outcome under the project (quantified) in terms of number of tigers in Tamil Nadu, eco-tourism in Tamil Nadu, %age decrease in man-animal conflict etc., may also be submitted in the progress report.
- xxxix. All labour payments strictly by Direct Benefit Transfer (DBT).
- xl. The guidelines of Project Tiger Schemes are followed by **(a) Anamalai, (b) Kalakad Mundanthurai (c) Mudumalai (d) Sathyamangalam and (e) Srivilliputhur Megamalai Tiger Reserves, Tamil Nadu** and Expenditure Evaluation Report on the expenditure incurred vis-à-vis proposed activities and result achieved may be furnished.
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 23.06.1965.
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.



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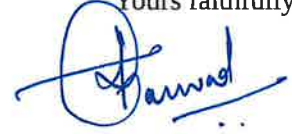
8. The expenditure incurred is adjustable to the **Demand No. 28** (Ministry of Environment, Forest and Climate Change) under the following heads during the Financial Year 2022-23:

(Rs. in lakhs)

| Scheme | Budget Head | Anamalai | KMTR | Mudumalai | Sathyamangalam | SMTR | Total |
|---|-----------------------------|----------------|--------------|----------------|-----------------|--------------|-----------------|
| Centrally Sponsored Scheme of Project Tiger | 3601.06.101.02.01.31 (Gen) | 53.64006 | 37.422 | 87.3576 | 78.8805 | 43.512 | 300.81216 |
| Centrally Sponsored Scheme of Project Tiger | 3601.06.789.02.01.31 (SCSP) | 17.88002 | 12.474 | 29.1192 | 26.2935 | 14.504 | 100.27072 |
| Centrally Sponsored Scheme of Project Tiger | 3601.06.796.02.01.31 (TSP) | 17.88002 | 12.474 | 29.1192 | 26.2935 | 14.504 | 100.27072 |
| | Total | 89.4001 | 62.37 | 145.596 | 131.4675 | 72.52 | 501.3536 |

9. This issues with the concurrence of Integrated Finance Division vide their Dy. No. as 215/IFD/2023 dated 16.01.2023 **Compliance of all the guidelines/instructions regarding release of funds under Centrally Sponsored Schemes (CSS) and monitoring utilization of funds released, Issued by Dept. of Expenditure (Ministry of Finance) vide O.M. No. 1(13)PFMS/FCD/2020 dated 23.03.2021 must be ensured.**

Yours faithfully,



(Rajendra G. Garawad)


Deputy Inspector General of Forests (PT)

Email: dig2-ntca@nic.in

राजेंद्र गारवाड/RAJENDRA G. GARAWAD
उप वन सहायक/Dy. Inspector General of Forests
व्याघ्र परियोजना
Project Tiger
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
Ministry of Environment, Forest and Climate Change
परिसर, संस्थान नई दिल्ली./Govt. of India New Delhi

Copy for kind information & necessary action 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 2022-23 may kindly be furnished to this Ministry at the earliest.
3. The Secretary (Finance), Govt. of Tamil Nadu.
4. The Principal Chief Conservator of Forests / Chief Wildlife Warden, Govt. of Tamil Nadu
5. The IGF, NTCA Regional Office, Bengaluru.
6. The Field Director(s), (a) Anamalai, (b) Kalakad Mundanthurai (c) Mudumalai (d) Sathyamangalam and (e) Srivilliputhur Megamalai Tiger Reserves, Tamil Nadu.
7. The Accountant General.
8. The Director of Audit, Scientific Department, AGCR Building, IP Estate, New Delhi.
9. Forest Finance Division, MoEF&CC, New Delhi.
10. Plan Finance Division (PF-II), Ministry of Finance, New Delhi.
11. Guard file/Spare copies.



राजेंद्र गारवाड़/RAJENDRA G. GARAWAD
वन वन्यजीविका/Dy. Inspector General of Forests
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Project Tiger
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
Ministry of Environment, Forest and Climate Change
नयाँ सरकार भई दिल्ली/Govt. of India New Delhi

(Rs. In Lakhs)

| S. No. | Item | Anamalai | KMTR | Mudumalai | Sathyamangalam | SMTR | Total |
|--------|--|----------|--------|-----------|----------------|--------|----------|
| 1 | Total Sanction | 656.08 | 560.30 | 1106.63 | 1017.65 | 741.08 | 4081.74 |
| 2 | Central Assistance | 357.61 | 303.88 | 583.30 | 529.63 | 400.68 | 2175.1 |
| 3 | 1 st release, 25% of Central Assistance | 89.4025 | 75.97 | 145.825 | 132.4075 | 100.17 | 543.775 |
| 4 | Unspent balance | 0.0024 | 13.60 | 0.00229 | 0.94 | 27.65 | 42.19469 |
| 5 | Net 1 st Release | 89.4001 | 62.37 | 145.596 | 131.4675 | 72.52 | 501.3536 |

(Rs. in lakhs)

| Scheme | Budget Head | Anamalai | KMTR | Mudumalai | Sathyamangalam | SMTR | Total |
|---|-----------------------------|----------|--------|-----------|----------------|--------|-----------|
| Centrally Sponsored Scheme of Project Tiger | 3601.06.101.02.01.31 (Gen) | 53.64006 | 37.422 | 87.3576 | 78.8805 | 43.512 | 300.81216 |
| Centrally Sponsored Scheme of Project Tiger | 3601.06.789.02.01.31 (SCSP) | 17.88002 | 12.474 | 29.1192 | 26.2935 | 14.504 | 100.27072 |
| Centrally Sponsored Scheme of Project Tiger | 3601.06.796.02.01.31 (TSP) | 17.88002 | 12.474 | 29.1192 | 26.2935 | 14.504 | 100.27072 |
| | Total | 89.4001 | 62.37 | 145.596 | 131.4675 | 72.52 | 501.3536 |

Summary for State:

(Rs. in lakhs)

| S.No. | Items | Sanction | Central Assistance | State Share |
|-------|---|----------------|--------------------|----------------|
| 1 | Non Recurring (60:40) | 1342.21 | 805.33 | 536.88 |
| 2 | Recurring (50:50) | 2739.53 | 1369.77 | 1369.76 |
| 3 | Spill Over work of 2021-22 to be completed during 2022-23 | 0.00 | 0.00 | 0.00 |
| | Total | 4081.74 | 2175.1 | 1906.64 |

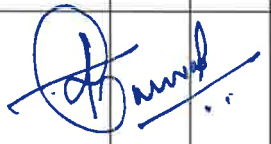
Note: Eco development initiatives should be based on normative guidelines of the National Tiger Conservation Authority, Ministry of Environment, Forest and Climate Change, Govt. of India issued earlier based on village level, site specific, participatory micro plan with reciprocal commitment between Tamil Nadu and the local people.



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Ministry of Environment, Forest and Climate Change
आवास संवर्धन नई दिल्ली/Govt. of India New Delhi

7

ANNUAL PLAN OF OPERATION UNDER THE PROJECT TIGER SCHEME (MUDUMALAI TIGER RESERVE) FOR THE YEAR 2022-23

| S. No. | Item of works | Para No. | | Previous Year Details (2021-22) | | | | Current year proposal (2022-23) | | | | Justification | |
|------------------------------------|--|--------------------|---------|--|---|--------------------------------|---|---------------------------------|---|---|-------------------------|---------------|---|
| | | CSS-PT Guide lines | TCP | Location / GPS co-ordinates | Physical | | Financial | | Location / GPS co-ordinates | Physical target | Unit cost | | Amount (Financial Target) |
| | | | | | Target | Ach | Target | Ach | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| NON-RECURRING- CORE | | | | | | | | | | | | | |
| I ANTI POACHING ACITIVITIES | | | | | | | | | | | | | |
| 1 | Construction of Anti-poaching camp buildings | 16.1 (iii) | 7.2.2.2 | N11.60425 E76.60933 (Circle Road) | 1 No. | .. | 15.00 | 0.00 | N.11.57476 E.76.47913 (Bospara) | 1 No | 20.00 | 20.00 | The proposed anti-poaching camp shed cum watch tower near Bospara in Mudumalai Range is bordering Gudalur division where human habitations exist and prone for elephant depredation into the habitations as cases are being reported at times. So if this anti -poaching camp cum watch tower is installed it will be conductive to monitor human-wildlife-conflict issues including fire monitoring and other anti-poaching measures. |
| 2 | Strengthening Anti-poaching camp including cooking and toilet facility etc., | 16.1 (iii) | 10.3.1 | Ombela 11.57582 76.52576 Cheenakolli 11.55972 76.51813 Karbai 11.6958 76.49118 Narathi 11.60461 76.40321 Jodipalam 11.58411 76.36629 (Completed points) | 9 Nos | 5 Nos | 27.00 | 15.00 | Game Hut camp N.11.60521 E.76.50734 | 1 No. | @ Rs7.00 | 7.00 | The Mudumalai Tiger Reserve is one of the Tiger Reserve in Tamil Nadu and is home to a large number of breeding potential tiger populations. The Tiger Reserve has a large number of anti-poaching camps. The reason is that the state borders of Kerala and Karnataka are close to the Tiger Reserve. There are 17 Anti-poaching camps in core division at present. One camp is proposed during 2022-23. The Game Hut anti-poaching camp was built in the year 1995. Then EPT was dug around this camp to avoid the elephants coming. However, over the time the elephants beyond that EPT, came in and caused great damage to the camp. |
| 3 | Procurement of First aid kit for all Anti-Poaching camps | 16.1 (iii) | 7.2.2.2 |  | | | | | MTR-CORE | 17 Nos | Rs.0.05 lakh per No. | 0.85 | There are 17 anti-poaching camps are being operated in the core division of Mudumalai Tiger Reserve. Anti-poaching watchers and Forest staff stay here in 24x7 hours and monitoring the wildlife and forests there. There is a chance that something terrible will happen while they are staying there. So, this first aid kit is a must in every camp. |
| 4 | Deployment of Tiger Protection Force (Anti-Poaching Squad) | 16.1 (ii) | 7.2.2.2 | MTR-CORE | 1 squad 6 No.permonth *12 months | 6 No.permonth *12 months | राजेन्द्र गारवाड/RAJENDRA G GARAWAL व्यवस्था निरीक्षक/Dy. Inspector General of Forests व्याघ्र परियोजना Project Tiger जलवायु परिवर्तन मंत्रालय Ministry of Environment, Forest and Climate Change भारत सरकार नई दिल्ली / Govt. of India New Delhi | 9.00 | MTR-CORE | 1 squad 6 No.permonth *12 months | Rs 12500 per month each | 9.00 | This wing operates around the clock on rescue and special task force operations in collaboration with the Anti-Poaching Cell and Forest Department. The team not only conducts raids around the village and town areas but also ensures that rescued wildlife is rehabilitated as soon as possible. |

| S. No. | Item of works | Para No. | | Previous Year Details (2021-22) | | | | Current year proposal (2022-23) | | | | Justification | |
|---|---|--------------------|---------|---------------------------------|----------|--------|-----------|---------------------------------|-----------------------------|-----------------|------------------|---------------|--|
| | | CSS-PT Guide lines | TCP | Location / GPS co-ordinates | Physical | | Financial | | Location / GPS co-ordinates | Physical target | Unit cost | | Amount (Financial Target) |
| | | | | | Target | Ach | Target | Ach | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 5 | Legal support for depending court cases including legal fees and other miscellaneous charges | 16.1 (xiii) | 7.2.2.2 | MTR-CORE | LS | LS | 1.50 | 0.602 | MTR-CORE | LS | LS | 1.00 | Many cases are conducted in the Supreme Court and the High Court on behalf of the Central Government and on behalf of the Governments of States. Pending payment of about Rs.1.50 lakh is to be settled to Govt. Pleader (Forests). Hence this amount is proposed during 2022-23. |
| 6 | Supply/Procurement of field gear (75 APWs, 15 ADWs & 6 Tiger squad watchers- Total 96 Nos) | 16.1 (xv) | 7.2.2.2 | MTR-CORE | 85 No. | 85 No. | 4.25 | 4.249 | MTR-CORE | 96 NO. | Rs.5000 per each | 4.80 | There are totally 96 watchers engaged in the division as per sanction accorded by the project tiger last year for effective perambulation. For safety of these watchers the field gears such as uniform sets and shoes are required to be supplied for ensuring their efficient working conditions. |
| II STRENGTHENING OF INFRASTRUCTURE WITHIN TIGER RESERVES | | | | | | | | | | | | | |
| 1 | Improvement & maintenance of existing extension office building for converting as Office Building for Field Director near Finger Post, Ooty | 16.2 (i) | 7.2.2.7 | -- | -- | -- | -- | -- | GPS (?) | 1 No | Rs.30.00 lakhs | 30.00 | The Field Director of the Mudumalai Tiger Reserve does not have an office building of its own. The office is currently being operated in a very old building owned by the Cinchona Department. Currently this office does not provide adequate space for office staff. Recently Nilgiris & Gudalur territorial divisions have been merged with MTR. Also, in the rainy season there is a lot of leakage. So, the Forest Extension building near Finger Post, owned by Forest Department is proposed to be altered as Field Director's office. This covers an area of about 50 acres. This fund is needed to alter the existing extension office building for functioning of Field Director's office. |
| 2 | Construction of frontline staff quarters | 16.2 (i) | 8.5 | N 11.58062 E76.58594 | 1 No | 1 No | 20.00 | 20.00 | -- | -- | -- | -- | -- |
| 3 | Construction of culvert | 16.2 (ii) | 7.2.2.7 | N.11.34531 E.76.23354 | 1 No. | --- | 3.00 | 0.00 | --- | --- | --- | --- | --- |
| 4 | Procurement of All Terrain vehicle for Deputy Director (Cader Post), Udahagai | 16.2. (viii) | 10.4 | MTR-CORE | --- | --- | --- | --- | MTR-CORE | 1 No | 14.00 | 14.00 | Deputy Director, Core Division of Mudumalai Tiger Reserve currently having an old-fashioned Bolero vehicle. Last year a new all-terrain vehicle was provided to the Deputy Director, Masanagudi. So, this year one such new vehicle to be bought to Deputy Director, Core division. |

राजेंद्र गारवाड / RAJENDRA G. GARAWAD

उप वन गहननिरीक्षक / Dy. Inspector General of Forests
व्याघ्र परियोजना

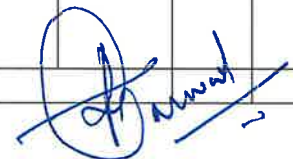
Project Tiger

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
Ministry of Environment, Forest and Climate Change
भारत सरकार नई दिल्ली / Govt. of India New Delhi

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|--------|--|--------------------|---------|---------------------------------|----------|--------|-----------|---------------------------------|-----------------------------|-----------------|------------------|---------------|--|
| | | CSS-PT Guide lines | TCP | Location / GPS co-ordinates | Physical | | Financial | | Location / GPS co-ordinates | Physical target | Unit cost | | Amount (Financial Target) |
| | | | | | Target | Ach | Target | Ach | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 5 | Procurement of Mahindra pickup camper vehicle fitted with equipments useful to extinguish the wild fires | 16.2. (viii) | 10.4 | MTR-CORE | *** | *** | *** | *** | MTR-CORE | 1 No | 15.00 | 15.00 | The western and northern side of the Mudumalai Tiger Reserve is bordered with Kerala and Karnataka. Bandipur Tiger Reserve, Nagarhole Tiger Reserve and Wayanad Sanctuary are located here. Every year wildfires from here enter the Mudumalai Tiger Reserve and cause great damages. So, this year we cleared the fire line along the entire inter-state border area and prevented wildfires. Also, there are no vehicles to go immediately from the Theppakadu in case of any wild fire in these state border areas. So, a Mahindra pickup camper vehicle equipped with fire fighting equipment is essential.. |
| 6 | Procurement of GPS and Accessories | 16.2.(xi) | 10.3.1 | MTR-CORE | 8 Nos | 8 Nos | 1.60 | 1.60 | MTR-CORE | 5 Nos | Rs.0.20 per No. | 1.00 | GPS trail feature allows supervisors to seamlessly track the movements of a guard on duty. It sends automatic alerts when the security officer stress away from the designated route. The tech empowers clients to stay up to date on the security arrangements at their site. By creating location centric reports, it cuts down on the costs and raise the level of patrol efficiency. Also useful to Tiger population estimation. |
| 7 | Procurement of Range finders | 16.2.(xi) | 8.4 | MTR-CORE | 10 Nos | 10 Nos | 2.00 | 2.00 | MTR-CORE | 10 Nos | Rs.0.20 per No. | 2.00 | The Range finder is a device used to measure distances to remote objects. They are especially useful for finding the range of a target, particularly during tiger population estimate. |
| 8 | Procurement of Compass | 16.2.(xi) | 8.4 | MTR-CORE | 10 Nos | 10 Nos | 0.80 | 0.80 | MTR-CORE | 10 No. | Rs.0.080 per No. | 0.80 | A compass is a device that shows the cardinal directions used for geographic orientation and it is essentially needed for tiger population estimation. |
| 9 | Procurement of Binocular | 16.2.(xi) | 8.4 | MTR-CORE | *** | *** | *** | *** | MTR-CORE | 10 Nos | Rs.0.125 per No | 1.25 | Binoculars are required for the field staff for patrolling and conducting census operation. |
| 10 | Procurement of Camera traps | 16.2.(xi) | 7.2.2.4 | MTR-CORE | *** | *** | *** | *** | MTR-CORE | 15 Nos | Rs.0.25 per No | 3.75 | A camera trap is a camera that is automatically triggered by a change in some activity in its vicinity, like presence of an animal. This Tiger reserve (Core) currently has a 300 camera traps. However, during last year the All-India Tiger estimation, these cameras are also used in adjoining tiger bearing territorial divisions. Some cameras are stolen while doing this estimation. Also, many cameras are broken by elephants and other animals. So, it becomes necessary to buy camera traps this year for the reserve. |
| 11 | Procurement of Android Mobiles for M.Stripe Patrolling | 16.2 (xiv) | 7.2.2.2 | MTR-CORE | *** | *** | *** | *** | MTR-CORE | 10 Nos | Rs.0.15 per No | 1.50 | Currently downloading software related to M-Stripes patrolling requires very modern and current upgraded Android cell phones. This application can only be downloaded on these Android cell phones. This is especially important during Tiger estimates in nearby territorial divisions |

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|--------|--------------------------------------|--------------------|---------|---------------------------------|----------|-------|-----------|---------------------------------|-----------------------------|-----------------|-----------------------|---------------|--|
| | | CSS-PT Guide lines | TCP | Location / GPS co-ordinates | Physical | | Financial | | Location / GPS co-ordinates | Physical target | Unit cost | | Amount (Financial Target) |
| | | | | | Target | Ach | Target | Ach | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 12 | Procurement of Fox lights | 16.4 | 8.4 | *** | *** | *** | *** | *** | MTR-CORE | 10 Nos | Rs.0.20 per No | 2.00 | The effective and inexpensive way to protect domestic animals from nocturnal predator attacks, such as tiger, panther or wild boars is using fox lights in habitation areas. If sheep, goats or other farm animals are out and about day and night, we always run the risk of attracting unwanted guests. These disturb the domestic animals or even try to eat them. There is now a solution for this: Fox lights let farmers sleep peacefully at night, domestic animals are safe. Fox light's LED lights prove to be the most economical way to protect domestic animals from tiger, panthers and wild boars, especially in areas where human patrol is not possible. It may also reduce the man - wild animal conflicts. |
| 13 | Procurement of xerox machines | 16.7 | 8.4 | *** | *** | *** | *** | *** | MTR-CORE | 2 Nos. | Rs.1.25 lakhs per No. | 2.50 | Until last year, the office of the Deputy Director (core) was with the office of the Field Director with the Mudumalai Tiger Reserve. Currently, the Tiger Bearing Divisions of Gudalur and Nilgiris Territorial Divisions are annexed to the Mudumalai Tiger Reserve as per the State Government Order. Currently the Office of the Deputy Director (core) and the Office of the Field Director are operating separately. Therefore, these offices should be provided with Xerox machine and laser colour printers. |
| 14 | Procurement of laser colour printers | 16.7 | 8.4 | *** | *** | *** | *** | *** | MTR-CORE | 2 Nos | Rs.0.75 lakhs per No. | 1.50 | |
| 15 | Procurement of Computers | 16.2 (x) & 16.7 | 7.2.1.7 | MTR-CORE | 2 Nos | 2 Nos | 2.00 | 2.00 | MTR-CORE | 4 Nos | Rs.1.0 lakhs per No. | 4.00 | 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 require the high configuration computer systems to ensure the uninterrupted payroll operating and the prompt disbursement of salaries to the employees. Further it will support for tiger monitoring in all ranges. Further it will be support for tiger monitoring works from these offices. |
| III | ADDRESSING MAN-ANIMAL CONFLICT | | | | | | | | | | | | |




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| S. No. | Item of works | Para No. | | Previous Year Details (2021-22) | | | | Current year proposal (2022-23) | | | | Justification | |
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| | | CSS-PT Guide lines | TCP | Location / GPS co-ordinates | Physical | | Financial | | Location / GPS co-ordinates | Physical target | Unit cost | | Amount (Financial Target) |
| | | | | | Target | Ach | Target | Ach | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 1 | Payment of compensation for crop depredation, injury or loss of human life due to wild animals | 16.4.1 (i) | 7.2.2.3 | MTR-CORE | LS | ... | 2.00 | ... | MTR-CORE | LS | LS | 2.00 | In this tiger reserve, Wildlife often come out across the border and enters agricultural lands and villages causing damages. The result is that local communities nearby villages view wildlife as a liability instead of a heritage. In such circumstances, wild animals will have increasing difficulty surviving in areas of rapidly growing human populations. This is of concern since the majority of people live in forest abetting rural areas where subsistence farming is their main source of livelihood. The solution to this problem lies, not in blaming the people or the wild animals, but in finding the means by which the damage caused by these animals can be redressed. There is a need, therefore, to protect the wild animals from harm by people, while at the same time giving priority to human needs and concerns. A practical approach to this problem is through the operation of fair and effective compensation. The mere payment of compensation, however, may not be a solution to the human-wild animal conflict but it may reduce retaliatory attacks on wildlife particularly tigers by humans. |
| 2 | Procurement of Trap cages to capture problematic animals | 16.4.1. (iii) | 7.2.2.3 | ... | ... | ... | ... | ... | MTR-CORE | 1 No | Rs.3.00 lakhs per No. | 3.00 | In Mudumalai tiger reserve, tigers and leopards from time to time come out of the forest and enter to nearby villages. Sometimes it is an incident that these animals come out often. In such a time a situation develops in order to capture those animals. In that situation, cages are needed essentially to capture the dangerous or problematic animals. |
| 3 | Purchase of Post Mortem Kits and expenses for Post-mortem activities | 16.4.1. (iv) | 7.2.1.6 | ... | ... | ... | ... | ... | MTR-CORE | LS | LS | 2.00 | Wildlife in the Mudumalai Tiger Reserve and the adjoining tiger-bearing areas of the Nilgiris and Gudalur forest divisions, mainly elephants and Indian Guars, sometimes die naturally in the jungle or out of the forest areas. In such a situation the post mortem kits are required for the autopsy is very much needed. And funding is also needed to do that autopsy. |
| 4 | Engaging anti- depredation watchers to drive wild animals from Agri land. | 16.4 | 7.2.2.3 | MTR-CORE | 15 Nos x 12 months @ Rs.12500/- | 15 Nos x 12 months @ Rs.12500/- | 22.5 | 22.491 | .. | .. | .. | .. | Work completed and payment made. This work is proposed from 2022-23 onwards as recurring component, since payment to me made every year. |
| IV | RESEARCH AND REGULAR PHASE IV TIGER MONITORING | | | | | | | | | | | | |


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| S. No. | Item of works | Para No. | | Previous Year Details (2021-22) | | | | Current year proposal (2022-23) | | | | Justification | |
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| | | CSS-PT Guide lines | TCP | Location / GPS co-ordinates | Physical | | Financial | | Location / GPS co-ordinates | Physical target | Unit cost | | Amount (Financial Target) |
| | | | | | Target | Ach | Target | Ach | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 1 | Conducting Tiger Phase IV monitoring 1. Engaging Senior Biologist 1 No @ 26950 per month x 12 months = 3.234 2. Data entry operator 1 No @ 22578 x 12 months = 2.710 3. 8 day protocol exercise Premonsoon & Post monsoon periods and procurement of accessories = 4.056 | 16.7.1 | 9.2 | MTR-CORE | LS | LS | 10.00 | 10.000 | MTR-CORE | 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), analyzing data, including logistics / cost of transport / fuel, training, engaging personals like Data entry operators and other consumables, software update, etc. |
| 2 | Research and development programme and various aspects of conservation of reserve | 16.7.1 | 8.1 | MTR-CORE | - | - | - | - | MTR-CORE | L.S | 2.00 | 2.00 | In order to ensure long term conservation of Tiger Reserve the Research and development activities on various aspects of conservation such as assessment of regeneration in weed cleared area, assessment of regeneration and wildlife occupancy from relocated area, assessment of strategy to be adopted to control new weed invasion of Senna spectabil before it spreading and DNA analysis etc., are utmost important hence the proposal. |
| V STAFF WELFARE ACTIVITIES | | | | | | | | | | | | | |
| 1 | Provision of Torches, Medical kit, Uniform, rain coat, hunter shoes etc., for regular field /Front line staff | 16.16 | 8.5 | MTR-CORE | 160 nos @ Rs.6000/- | 160 nos @ Rs.6000 | 9.60 | 9.600 | MTR-CORE | 140 Nos | Rs.4000 per each | 6.40 | 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, etc., will be procured. |
| 2 | Providing ration allowance to staff | 16.16 | 8.5 | MTR -Core | Rs.860 per month for 140 Nos for 12 months | Rs.860 per month for 140 Nos for 12 months | 14.45 | 11.692 | MTR -Core | 140 Nos for 12 months | Rs.860 per month per person | 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 patrols at field level in Tiger Reserves @ Rs.860/- per month as approved by Government of India. |



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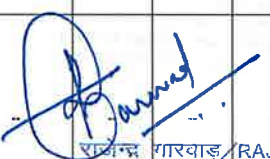
| S. No. | Item of works | Para No. | | Previous Year Details (2021-22) | | | | Current year proposal (2022-23) | | | | Justification | |
|--|---|--------------------|---------|---|------------------------------------|------------------------------------|---------------|---------------------------------|-----------------------------|------------------------------------|-------------------------|---------------|---|
| | | CSS-PT Guide lines | TCP | Location / GPS co-ordinates | Physical | | Financial | | Location / GPS co-ordinates | Physical target | Unit cost | | Amount (Financial Target) |
| | | | | | Target | Ach | Target | Ach | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| VI PROVISION OF PROJECT ALLOWANCE TO STAFF (ALL CATEGORIES) | | | | | | | | | | | | | |
| 1 | Project allowance as per the guidelines of CSS-PT pay for all employees of staff permitted by GOI. | 16.15 | 8.5 | MTR-CORE | Total sanction 204.On roll 157 Nos | Total sanction 204 on roll 157 Nos | 16.78 | 12.075 | MTR-CORE | Total sanction 221.On roll 167 | LS | 15.00 | 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) |
| TOTAL NON-RECURRING - CORE | | | | | | | 161.48 | 121.107 | | | | 176.80 | |
| NON-RECURRING-BUFFER | | | | | | | | | | | | | |
| i ANTI POACHING ACTIVITIES | | | | | | | | | | | | | |
| 1 | Construction of Anti-poaching camp buildings including Strengthening by digging new Elephant Proof Trench & by providing solar power fence | 16.1 (iii) | 7.2.2.1 | -- | -- | -- | -- | -- | N11.4678 E76.9726 | 1 No. | 20 | 20.00 | There are already 19 poaching camps are being operated in the Buffer Division of Mudumalai Tiger Reserve. Various villages are located along the border of this Buffer Division. Therefore it is very important to give protection in the Buffer Division area. There are currently no anti-poaching camps, mainly in the areas of Kadasholai. This place is located at a great distance from Masinagudi (HeadQrs.). New camp must be built here to monitor the poaching activities. In addition, the kitchen, solar facilities, EPT around the camp and other additional facilities are required for the camps should be provided. |
| 2 | Strengthening the existing Elephant Proof Trench around the Anti-poaching camps by providing special RCC structure | 16.1 (iii) | 7.2.2.4 | 11.5705, 76.57655 11.57608 76.85801 | 80 meters | 40 meters | 8.00 | 4.00 | -- | -- | -- | -- | -- |
| 3 | Strengthening of new Anti-poaching camps with new Elephant Proof Trench | 16.1 (iii) | 7.2.2.1 | 11.578335, 76.761535 | 160 meter | 0.00 | 1.4 | 0.00 | -- | -- | -- | -- | -- |
| 4 | Deployment of Tiger Protection Force (Anti-Poaching Squad) | 16.1 (ii) | 7.2.2.1 | MASINAGUDI DIVISION | 2 squad 12 No.per month *12 months | 2 squad 12 No.per month *12 months | 17.02 | 17.020 | MASINAGUDI DIVISION | 2 squad 12 No.per month *12 months | Rs 12500 per month each | 18.00 | This wing operates around the clock on rescue and special task force operations in collaboration with the Anti-Poaching Cell and Forest Department. The team not only conducts raids around the village and town areas but also ensures that rescued wildlife is rehabilitated as soon as possible. Hence proposed this year also. |
| 5 | Supply/Procurement of field gear for 96 Nos of various Watchers (65 APWs, 10 ADWs, 12 Tiger squad watchers & 9 Nos of Highway patrol Squad) | 16.1 (xv) | 7.2.2.1 | MASINAGUDI DIVISION | 140 No. | 140 No. | 7.00 | 6.931 | MASINAGUDI DIVISION | 96 Nos. | Rs.5000 per person | 4.80 | There are 96 Nos of various watchers are engaged in this division as per sanction accorded by the project tiger last year for effective perambulation. For safety of these watchers the field gears such as uniform sets and shoes are required to be supplied for ensuring their efficient working conditions. Hence proposed. |
| ii STRENGTHENING OF INFRASTRUCTURE WITHIN TIGER RESERVES | | | | | | | | | | | | | |

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| | | CSS-PT Guide lines | TCP | Location / GPS co-ordinates | Physical | | Financial | | Location / GPS co-ordinates | Physical target | Unit cost | | Amount (Financial Target) |
| | | | | | Target | Ach | Target | Ach | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 1 | Purchase of all terrain vehicle for providing | 16.2. (viii) | 7.2.1.8 | MASINAGUDI DIVISION | 1 No. | 1 No. | 13.00 | 13.00 | MASINAGUDI DIVISION | 1 No. | 14.00 | 14.00 | The Mudumalai Tiger Reserve is one of the most drought prone areas during the summer months. So, water troughs have been built at important places to give water to the wild animals. During the summer, the tanks are cleaned and watered. Now the water is being provided to troughs only by rental vehicles. To avoid this, a Mahindra pickup truck chassis with a 4-wheel drive may be bought & fitted with a tanker & motor and fill the tanks with water daily during the summer. In this way, human-wildlife conflicts can be avoided by preventing wildlife from leaving the forest. Wildfires can also be extinguished with this vehicle. |
| 2 | Procurement of GPS and Accessories | 16.2.(xi) | 7.2.2.1 | MASINAGUDI DIVISION | 5 Nos | 5 Nos | 0.60 | 0.600 | MASINAGUDI DIVISION | 15 Nos | Rs.0.12/- per No. | 1.80 | GPS trail feature allows supervisors to seamlessly track the movements of a guard on duty. It sends automatic alerts when the security officer stress away from the designated route. The tech empowers clients to stay up to date on the security arrangements at their site. By creating location centric reports, it cuts down on the costs and raise the level of patrol efficiency. Also useful to Tiger population estimation. Hence proposed for 2022-23. |
| 3 | Procurement of Camera traps | 16.2.(xi) | 7.2.2.5 | MASINAGUDI DIVISION | 25 no. | | 6.25 | 6.25 | MASINAGUDI DIVISION | 15 Nos | Rs.0.20/- per No. | 3.00 | A camera trap is a camera that is automatically triggered by a change in some activity in its vicinity, like presence of an animal. This Tiger reserve (Buffer) currently has a 270 camera traps. However, during last year the All-India Tiger estimation, these cameras are also used in adjoining tiger bearing territorial divisions. Some cameras are stolen while doing this estimation. Also, many cameras are broken by elephants and other animals. So, it becomes necessary to buy a camera traps this year for this tiger reserve. |
| 4 | Procurement of Computers | 16.2 (x) & 16.7 | 7.2.1.8 | MASINAGUDI DIVISION | 2 Nos | 0 | 1.40 | 0.00 | MASINAGUDI DIVISION | 1 No. | Rs.1.00 lakhs each | 1.00 | 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 require the high configuration computer systems to ensure the uninterrupted payroll operating and the prompt disbursement of salaries to the employees. Further it will support works involving tiger monitoring also. Hence proposed for 2022-23. |
| 5 | Procurement of Xerox machine | 16.7 | 11 | MASINAGUDI DIVISION | LS | | 2.00 | 0.00 | -- | -- | -- | -- | The target, Rs.2.00 during 2021-22 could not be achieved due to non-receipt of 3rd instalment. Hence separate revalidation proposal for both physical and financial targets is being submitted for revalidation during the year 2022-23. |
| 6 | Procurement of laser colour printer | 16.7 | 11 | -- | -- | | -- | -- | MASINAGUDI DIVISION | 1 No. | Rs.0.75 lakhs per no | 0.75 | The DD office does not have a good colour printer. Very often for preparation of documentation reports huge amount is spent in taking printouts in private shop, Hence this component is necessary. |
| 7 | Procurement of Android Mobiles for M.Stripe Patrolling | 16.2 (xiv) | 7.2.2.1 | MASINAGUDI DIVISION | | | | | MASINAGUDI DIVISION | 5 Nos | Rs.0.15/- per No. | 0.75 | Currently downloading software related to M-Stripes patrolling requires upgraded Android cell phones. This software can only be downloaded on these Android cell phones. This is essential part of daily anti-poaching patrol and also will be helpful in Tiger estimates in nearby tiger bearing divisions. |

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| | | CSS-PT Guide lines | TCP | Location / GPS co-ordinates | Physical | | Financial | | Location / GPS co-ordinates | Physical target | Unit cost | | Amount (Financial Target) |
| | | | | | Target | Ach | Target | Ach | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 8 | Purchase of Enfield Himalayan all terrain motor cycles for Highway patrolling. | 16.2. (viii) | 7.2.2.1 | | -- | -- | -- | -- | MASINAGUDI DIVISION | 2 Nos | Rs 0.65 each | 1.30 | The 22 km long tarred road from Thorapalli to Kallatti in the Buffer area passes through the Tiger Reserve. Roads from this main road also go to Singara and Moyar villages. There are more habitations along these road sides. Vehicles from Karnataka and Kerala also use this main road to reach Ooty. While the vehicles are moving, some people stop at the roadside to take photos of the wildlife and feed the wildlife. This is currently being stopped by patrolling watchers (Highway patrolling squad) by walking along the road. This task can be done very easily and quickly if motorcycles are provided to patrolling watchers. One motor cycle each will be used by Highway Squads and one by the Junior Engineer for field works in all divisions So, it is very necessary. |
| 9 | Construction of Watch Tower for monitoring wild fire and other illegal activities inside Tiger Reserve | 16.2.(iv) | 13.4 | -- | -- | -- | -- | -- | Vangallah N11.56551 E76.61214 | 1 No. | 15.00 | 15.00 | The Mudumalai Tiger Reserve is bordering with the state of Karnataka and Kerala. Large numbers of wildfires enter the Mudumalai Tiger Reserve every year, mainly during the summer months from Karnataka and Kerala, causing more damages. So, if this fire watch tower is constructed at this location it will be conducive to monitoring wildfires. Here no anti-poaching camps are there. So, it will serve both purposes. Hence this funding is requested. |

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| | | CSS-PT Guide lines | TCP | Location / GPS co-ordinates | Physical | | Financial | | Location / GPS co-ordinates | Physical target | Unit cost | | Amount (Financial Target) |
| | | | | | Target | Ach | Target | Ach | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| III ADDRESSING MAN-ANIMAL CONFLICT | | | | | | | | | | | | | |
| 1 | Payment of compensation for crop depredation, injury or loss of human life due to wild animals | 16.4.1 (i) | 7.2.2.4 | MASINAGUDI DIVISION | LS | | 3.00 | 0.00 | MASINAGUDI DIVISION | LS | LS | 3.00 | In this tiger reserve, Wildlife often come out across the border and enters agricultural lands and villages causing damages. The result is that local communities nearby villages view wildlife as a liability instead of a heritage. In such circumstances, wild animals will have increasing difficulty surviving in areas of rapidly growing human populations. This is of concern since the majority of people live in forest abetting rural areas where subsistence farming is their main source of livelihood. The solution to this problem lies, not in blaming the people or the wild animals, but in finding the means by which the damage caused by these animals can be redressed. There is a need, therefore, to protect the wild animals from harm by people, while at the same time giving priority to human needs and concerns. A practical approach to this problem is through the operation of fair and effective compensation. The mere payment of compensation, however, may not be a solution to the human-wild animal conflict but it may reduce retaliatory attacks on wildlife particularly tigers by humans. Hence, funds are needed during 2022-23. |
| 2 | Purchase of Post Mortem Kits and expenses for Post-mortem activities | 16.4.1. (iv) | 7.2.2.4 | - | LS | LS | 1.50 | 0.068 | MASINAGUDI DIVISION | LS | LS | 1.50 | Wildlife in the Mudumalai Tiger Reserve and the adjoining tiger-bearing areas of the forest division, mainly elephants and Indian Guars, sometimes die naturally in the jungle or out of the forest areas. In such a situation the post mortem kits are required for the autopsy is very much needed. And funding is also needed to do that autopsy during 2022-23. |
| 3 | Engaging anti- depredation watchers to drive wild animals from Agri land. | 16.4 | 7.2.2.4 | MASINAGUDI DIVISION | 10 Nos x 12 months @ Rs.12500/- | 10 Nos x 12 months @ Rs.12500/- | 14.18 | 13.979 | .. | .. | .. | .. | This work is proposed from 2022-23 onwards as recurring component since payment to be made every year. |
| 4 | Translocation of problematic wild animals including purchase of tranquilizing gun | 16.4.(iv) | 7.2.2.4 | | | | -- | -- | MASINAGUDI DIVISION | LS | LS | 2.00 | In today's scenario wildlife occasionally leaves the forest and infiltrates nearby villages and agricultural lands causing damages. Many times, such animals are sent back into the wild by our staff. But a few of them come out of the wild again and again and sometimes stay in the villages. Then more damage is done by that wildlife. People are also demanding to catch those wild animals. Then a situation arises where the animal has to be caught. This tranquilization gun and medicines are absolutely needed at such a moment. |

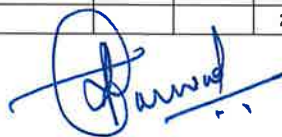

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 वृद्ध परियोजना
 Project Tiger
 पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
 Ministry of Environment, Forest and Climate Change
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| S. No. | Item of works | Para No. | | Previous Year Details (2021-22) | | | | Current year proposal (2022-23) | | | | Justification | |
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| | | CSS-PT Guide lines | TCP | Location / GPS co-ordinates | Physical | | Financial | | Location / GPS co-ordinates | Physical target | Unit cost | | Amount (Financial Target) |
| | | | | | Target | Ach | Target | Ach | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 5 | Procurement of rescue operation kits and accessories for treating wild animals | 16.4.1. (iii) | 7.2.2.4 | MASINAGUDI DIVISION | LS | | 2.00 | 0.00 | MASINAGUDI DIVISION | LS | LS | 2.00 | The Mudumalai Tiger Reserve has a significant wildlife population. Some of this wildlife come out of the forest and go to nearby villages. During these conflict situations these animals have to be caught and released back into the wild. Wild animals that are sick in the forest have to be captured and treated hence Rescue equipment's are required to do so. Hence the item is proposed for this year. |
| IV RESEARCH AND REGULAR PHASE IV TIGER MONITORING | | | | | | | | | | | | | |
| 1 | Conducting Tiger Phase IV Monitoring i. Data Entry Operator 1 No @ 22578 x 12 months = 2.70 ii. 8-day protocol exercise Pre-monsoon and Post monsoon periods = 3.30 | 16.7 | 7.2.2.5 | MASINAGUDI DIVISION | LS | LS | 6.00 | 4.06 | MASINAGUDI DIVISION | 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, engaging personals like Data entry operators and other consumables, software update, etc. Hence, the funds are proposed during 2022-23. |
| 2 | Consumables i.e Camera trap batteries and accessories, etc | 16.7 | 7.2.2.5 | MTR-BUFFER | | | 2.50 | 0 | | | | | The target of Rs.2.50 could not be achieved during 2021-22 due to non-receipt of 3rd instalment. Hence separate revalidation proposal for the financial target is being submitted for revalidation during the year 2022-23. |
| 3 | Conducting study /survey of Striped Hyena in MTR, Masinagudi division | 16.7 | 11.1 | -- | -- | -- | -- | -- | MTR-BUFFER | LS | LS | 1.50 | Hyena population is considerable number in Buffer division of Mudumalai Tiger Reserve. Its population has been declined or extinct elsewhere. But there is no research on how much of this population is here and what its current status is. So this research is very necessary. |
| 4 | Conducting study/ Survey of endemic fishes and Mahasheer in MTR Masinagudi Division | 16.7 | 11.1 | -- | -- | -- | -- | -- | MASINAGUDI DIVISION | LS | LS | 1.50 | The Mudumalai Tiger Reserve is home to a variety of rare fish species found in the waters of the Moyar river and its tributaries. But there is not a good research on this fish species. So it is very necessary. |
| 5 | Conducting Study on Rejuvenation of Kether | 16.7 | 11.1 | -- | -- | -- | -- | -- | MTR BUFFER | LS | LS | 1.00 | Ketherallah was once a perennial river which was not only acting as a source of water for the animals in the park but also had many species of riverine ecosystem that existed could not be found now. Hence this study is proposed to bring out an action plan to revive the river system. |
| V STAFF WELFARE ACTIVITIES | | | | | | | | | | | | | |
| 1 | Provision of Torches, Medical kit, Uniform, rain coat, hunter shoes etc., for regular field /Front line staff | 16.16 | 11.4 | 113 | 80 | | 5.65 | | MASINAGUDI DIVISION | | Rs.4000 per each | 3.16 | 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, etc., will be procured. |

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| | | | | | Target | Ach | Target | Ach | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 2 | Providing ration allowance to staff | 16.16 | 11.4 | MTR -BUFFER | Rs.860 per month for 79 Nos for 12 months | Rs.860 per month for 79 Nos for 12 months | 8.25 | 5.547 | MTR -BUFFER | 79 Nos for 12 months | Rs.860 per month per person | 8.25 | 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 patrols at field level in Tiger Reserves @ Rs.860/- per month as approved by Government of India. |
| 3 | Conducting medical camp for staff (Permanent and temporary) of Mudumalai Tiger Reserve. | 16.16 | 11.4 | MTR -Buffer | - | - | - | - | - | 200 personnel | LS | 2.00 | The field staff of tiger reserves serves in remote and difficult areas, often subjected to endemic diseases, apart from facing the risk of chance encounters with wild animals. Hence it is necessary to conduct medical camp for the staff of Mudumalai Tiger Reserve. |
| VI SAFEGUARDS AND RETOFITTING MEASURES IN THE INTEREST OF WILDLIFE CON | | | | | | | | | | | | | |
| 1 | Provision of speed breaks in the highways passing through the tiger reserve. | 16.11 | 7.2.1.8 | | | | | | 11.51341, 76.69705, 11.52247, 76.69384, 11.53212, 76.69160, 11.53420, 76.69048, 11.5542, 76.66541, 11.55530, 76.66219, 11.55739, 76.65717, 11.56014, 76.65370, 11.56299, 76.64964. | 60 mtrs @ | Rs.2000/mtr | 1.20 | The tiger reserve is cut across by important state highway that connects the important tourist destination of Ooty with Kerala, Karnataka and Maharashtra. Many road kills occur in this road due to speeding vehicles; hence it is essential to erect speed breaks at appropriate locations to prevent the speeding of vehicles. Hence this is proposed. |
| VII PROVISION OF PROJECT ALLOWANCE TO STAFF (ALL CATEGORIES) | | | | | | | | | | | | | |
| 1 | Project allowance as per the guidelines of CSS-PT pay for all employees of staff permitted by GOI. | 16.15 | 11.4 | MASINAGUDI DIVISION | 113 Nos | 84 Nos | 6.518 | 6.518 | MASINAGUDI DIVISION | 113 Personal | 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, Rs.1500/- for Deputy Director, Rs.1000/- for Range officers and FVAS, Rs.900/- for Foresters, Rs.700/- for Forest Guards, Forest Watchers, drivers, Elephant men, Rs.1000/- for Ministerial staff Class II, Rs.700/- for Ministerial staff Class III and Rs.400/- for Class IV staff and other support staff are being paid as per NTCA guide lines (staff details enclosed in the Annexure) |
| TOTAL NON RECURRING - BUFFER | | | | | | | 109.30 | 81.973 | | | | 123.06 | |

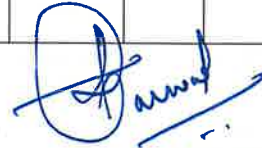
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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| NON RECURRING - TIGER BEARING AREA | | | | | | | | | | | | | |
| A MUKKURUTHI NATIONAL PARK | | | | | | | | | | | | | |
| 1 | Conducting Tiger Estimation (AITE) | 16.7 | 9.2 | .. | 1 No. | 1 No. | 0.75 | 0.562 | .. | .. | .. | .. | .. |
| TOTAL NON RECURRING - MUKURUTHI NATIONAL PARK | | | | | | | 0.75 | 0.562 | | | | 0.00 | |
| B NILGIRIS DIVISION | | | | | | | | | | | | | |
| 1 | Engaging anti- depredation watchers to drive wild animals from Agri land for 12 months | 16.4 | 7.2.2.3 | NILGIRIS DIVISION | 10 Nos x 12 months @ Rs.12500/- | 10 Nos x 12 months @ Rs.12500/- | 15.00 | 11.249 | .. | .. | .. | .. | This work is proposed from 2022-23 onwards as recurring component, since payment to be made every year. |
| TOTAL NON RECURRING - NILGIRIS DIVISION | | | | | | | 15.00 | 11.249 | | | | 0.00 | |
| C GUDALUR DIVISION | | | | | | | | | | | | | |
| 1 | Engaging anti- depredation watchers (SQUAD) to drive wild animals from Agri land for 12 months | 16.4 | 7.2.2.3 | GUDALUR DIVISION | 8 Nos x 12 months @ Rs.12500/- | 8 Nos x 12 months @ Rs.12500/- | 12.00 | 9.00 | .. | .. | .. | .. | This work is proposed from 2022-23 onwards as recurring component, since payment to be made every year. |
| TOTAL NON RECURRING - GUDALUR DIVISION | | | | | | | 12.00 | 9.00 | | | | 0.00 | |
| TOTAL NON RECURRING - TIGER BEARING AREA | | | | | | | 27.75 | 20.81 | | | | 0.00 | |
| GRAND TOTAL NON-RECURRING | | | | | | | 298.53 | 223.891 | | | | 299.86 | |



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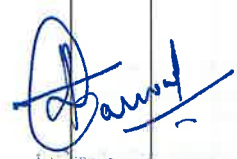
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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| RECURRING-CORE | | | | | | | | | | | | | |
| I ANTI POACHING ACITIVITIES | | | | | | | | | | | | | |
| 1 | Engaging Anti-Poaching Watchers | 16.1 | 10.3.1 | MTR-CORE | 75 No.x12 months | 75 No.x6 months | 112.50 | 60.608 | MTR-CORE | 75 No.x12 months | Rs. 12500 per month | 112.50 | The Mudumalai Tiger Reserve is located on the border of Karnataka and Kerala. The number of tigers here is considerable. The task of anti-poaching watchers here is essential to protect the tigers and other related species. There are 17 poaching camps in the area, mainly along the Karnataka-Kerala border. Anti-poaching watchers will stay there and patrol other areas to find out if there is any poaching and other irregularities. They are also carrying out protection work in the area through the M - Stripe application. It is therefore necessary to wage these 75 numbers of anti-poaching watchers and provide them with food items to stay in these camps and carry out protection works. Hence proposed for 2022-23. |
| 2 | Supply of Ration to Anti-Poaching camps | 16.1 | 10.5 | ** | ** | ** | ** | ** | ** | ** | ** | ** | |
| 3 | Equipping anti -poaching camps by providing Ruck sacks, powerful tortures, chargers, cots, kitchen utilities etc. | 16.2 | 10.5 | MTR-CORE | 17 camps | 17 camps | 2.55 | 2.55 | MTR-CORE | 17 camps | Rs.10000 per camp | 1.70 | Anti-poaching watchers and staff also stay in the camp for four to five days and carry out protection work. Therefore, these necessary equipments and supplies should be provided in those camps where they are staying |
| II STRENGTHENING OF INFRASTRUCTURE WITHIN TIGER RESERVES | | | | | | | | | | | | | |
| 1 | Improvement and maintenance of staff Qrs. Daddagaly Forester qtrs - 5.000 FRO Qrs. at Theppakkadu - 3.00 FG&FW Qrs. at Circular road beat in Theppakkadu -5.000 Forester qtrs Kargudi - 3.000 Single FG qtrs at Thorapalli - 3.000 FG & FW Qrs. at Theppakkadu beat -5.000 FW Qrs. Jaldhari beat - 5.000 FG Qrs. for Bospara beat - 5.000 | 16.2. i | 7.2.1.7 | N.11.56202 E.76.38380 N. 11.58407 E. 76.36650 N.11.57201 E.76.55645 N.11.39709 E.76.55625 N.76.55640 E.11.39709 N.76.69428 E.11.57905 (Completed points) | 11 Nos. | 6 Nos | 35.00 | 33.00 | N 11.58005 E076.58109 N 11.58076 E 076.58596 N11.56132 E076.38433 N 11.57201 E 076.55604 N 11.53474 E076.52527 N11.58086 E076.58205 N11.57449 E076.47929 N11.57430 E076.47934 | 8 Nos | Rs.3.00 lakhs to Rs.5.00 lakhs each | 34.00 | 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 electrical, 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 accommodate the staff maintenance of Qrs. are essential. 8 buildings are proposed for 2022-23. |
| 2 | Improvement and maintenance of non-residential buildings, 1. Range Office building at Upper kargudi - 4.00 2. Trekking shed at Mukkaty - 5.00 3. Patavayal check post - 5.00 4.Phase IV monitoring centre - 3.00 5. Range Office Building Theppakkadu -3.00 | 16.2. i | 7.2.2.7 | N.11.571642 E.76.544966 N.11.41315 E.76.71565 N.11.57169 E.76.55632 | 5 Nos. | 3 No. | 5 Nos. | 3 No. | N 11.570413 E 76.544777 N.11.56189 N.11.570413 E 76.544777 N.11.56189 N 11.580397 E 76.582619 | 5 Nos | Rs.3.00 lakhs to Rs.5.00 lakhs | 20.00 | Buildings other than residential use are in this division. These buildings are 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 electrical, repairs to joineries and other minor repairs to the structures including painting the buildings etc., Most of those buildings are in a dilapidated condition. Funds are needed to maintain the 5 number of buildings this year as well. |

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| | | | | | Target | Ach | Target | Ach | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 3 | Maintenance of fair-weather roads leading to anti-poaching camps. | 16.2. ii | 7.2.2.7 | N 11.58498 E 076.44050 N 11.57212 E 076.54629 N 11.57235 E 076.54655 | 2 Km. | 2 km | 50.00 | 50.00 | 76.546546 N 11.581155 E76.546398 TheppakkaduMud umalai road N 11.58587 E 76.56518 N 11.59249 E 76.55146 | 2 Kms | 15.00 per km | 30.00 | 17 anti-poaching camps are being set up and monitored in critical areas to prevent poaching and other illegal activities in this division. As the roads to these camps are earthen / WBM road, the roads deteriorate due to soil erosion in many places during the rainy season. So, this needs to be repaired from time to time on priority of damaged patches with relaying WBM layers and cement concrete in water logged areas and at corners. Only then can the camps be run more smoothly. |
| 4 | Strengthening of bridges/ causeways | 16.2. v | 7.2.2.7 | N.11.65325 E.76.51345 | 1 No. | ... | 10.00 | 0 | ... | ... | ... | ... | ... |
| 5 | Maintenance of vehicles, Jeeps including lubricants. | 16.2.viii | 10.5 | MTR-CORE | LS | LS | 2.00 | 0.606 | MTR-CORE | LS | LS | 2.00 | This component is needed for 2022-23 to keep vehicles in good shape and condition for efficient transport. |
| 6 | Cost of office stationery in the office of field director, deputy director and range offices. | 16.2.ix | 7.2.1.7 | MTR-CORE | LS | LS | 2.30 | 2.30 | MTR-CORE | LS | LS | 3.00 | This amount is proposed during 2022-23 for stationery in offices of the Field Director (Rs. 1.00 lakhs) and Deputy Director and Forest Range Offices (Rs. 2.00 lakhs) |
| 7 | Maintenance of office equipments like computers, Xerox machine, printer, UPS and other equipments. | 16.2 | 7.2.1.7 | MTR-CORE | LS | LS | 3.00 | 3.00 | MTR-CORE | LS | LS | 4.00 | The computer, Xerox machine, printer, UPS and various other electronic equipments in the office will only work so well if they are repaired every year. So these funds are needed to repair that occur on the above equipments. Field Director Rs. 1.50 lakhs and Deputy Director and Forest Range Offices Rs. 2.50 lakhs. |



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| | | | | | Target | Ach | Target | Ach | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 8 | Engaging computer operators. | 16.2 | 7.2.1.7 | MTR-CORE | 8 No.x12 months | 8 No.x12 months | 18.10 | 14.735 | MTR-CORE | 9 No.x12 months | 3 Nos @ Rs.20525/- each for head office and 6 Nos. @ Rs.16420/- each for Range office | 19.21 | Since the system of office 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 during 2022-23. 1) CF & FD Office - 1 No. 2) DD Office - 2 Nos 3) Mudumalai Range - 1 No. 4) Mukurthi Range - 1 No. 5) Kargudi Range - 1 No. 6) Theppakkadu Range - 1 No. 7) Nellakottai Range - 1 No. 8) Relocation Range - 1 No. Total 09 Nos |
| 9 | Water Supply & eco sanitation to staff colonies | 16.2.i | 8.5 | N.11.57535 E.76.47849 N.11.57193 E.76.55635 N.11.41217 E.76.70559 | 3 Nos | 1 No | 8.00 | 3.00 | .. | .. | .. | .. | .. |
| 10 | Annual maintenance of fire line in fire vulnerable locations and along roadsides for avoiding further spread of wild fire to a width of 6 meters. | 16.2.vi | 10.4 | Kargudi Range N 11.58251 E 076.571919 N 11.57450 E076.54522 N 11.57686 E076.56903 Theppakadu Range N 11.59673 E 076.58661 N 11.60325 E076.59649 N 11.60878 E076.58245 N 11.61243 E076.56672 N 11.60950 E076.57574 Mudumalai Range Nellakottai Range | 200 km | 200 km | 28.36 | 28.36 | Kargudi Range (60.00km) N 11.58251 E 076.571919 N 11.57450 E076.54522 N 11.57686 E076.56903 Theppakadu Range (30.00km) N 11.59673 E 076.58661 N 11.60325 E076.59649 N 11.60878 E076.58245 N 11.61243 E076.56672 N 11.60950 E076.57574 Mudumalai Range (70.00km) N 11.60950 E076.57574 | 190.00 km | Rs.14647 per km | 27.83 | The Mudumalai Tiger Reserve is home to a large number of exotic weeds such as Lantana and Eupatorium. These weeds dry up mainly during summer and are the main cause of large forest fires. This fire must be prevented. Otherwise the fire is likely to spread throughout the forest. Different types of roads pass through this division. Therefore, existing fire lines on both sides of the road can be maintained to a width of 6m to prevent the spread of wildfires from one place to another and to prevent further damage to wildlife habitat. |


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| | | | | | Target | Ach | Target | Ach | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 11 | Annual maintenance of fire line along the interstate border to a width of 15 meters. | 16.2.vi | 10.4 | ** | ** | ** | ** | ** | E076.51240 N11.63890 E076.52286 N11.65314 E076.51334 N 11.606893 E76.509147 Theppakadu (30.00km) N.11.59747 E076.58484 N.11.68527 E076.51108 N.11.60805 076.51090 Nelakottai N11.61684 E076.44078 N11.58006 E076.44265 N 11.63531 E076.43395 Kargudi (17.00km) N 11.534757 E76.524948 N11.595933 E76.555116 N 11.54554 E076.51967 | 55 Kms | Rs.29294 per km | 16.11 | The Bandipur Tiger Reserve, the Nagarhole Tiger Reserve and the Wayanad Sanctuary are located in the northern part of the Mudumalai Tiger Reserve. Like in Mudumalai Tiger Reserve, the exotic weeds such as Lantana and Eupatorium are also abundant in these protected areas. These weeds dry up mainly during summers and are a major cause of forest fires. In previous years, wildfires usually erupted in these protected areas and then entered the Mudumalai Tiger Reserve. This fire must be prevented. Otherwise the fire is likely to spread throughout the forest of Mudumalai tiger reserve. The interstate border of this division is 55 km. Maintaining the existing firebreak lines up to 12 meters wide in this border area can prevent the spread of wildfires from Karnataka and Kerala into the Mudumalai and prevent damage to wildlife habitat. |
| 12 | Engaging fire watchers 40 numbers for 4 months. | 16.2.vi | 10.4 | MTR-CORE | 40 Nosx4 months | 40 x 4 months | 18.91 | 18.91 | MTR-CORE | 40 Nos x 4 months =160 Nos | Rs.12206/- per month | 19.53 | Maintaining fire prevention lines can prevent the spread of wildfires from one place to another. However, if the fire is noticed immediately after the breaks out, the fire can be prevented from spreading further into the forest. For this, we can get information as soon as a wildfire occurs by camping and hiring firefighters or fire watchers in key areas where wildfires occur. Based on this information, the fire can be prevented from spreading further into the forest immediately. |
| 13 | Upkeep of the fire control room includes provisions of water, communication charges, energy food etc. including wages. | 16.2.vi | 10.4 | MTR-CORE | LS | LS | 2.00 | 1.38 | MTR-CORE | LS | LS | 2.00 | The control room has been set up at the Mudumalai Tiger Reserve to prevent wildfires during the summer months. During the summer, our staff and Fire Watchers stay here 24 * 7 hours a day to report any wildfires occur to the range offices. Immediately after that information more personnel can be sent to the scene of the fire and extinguished. Therefore this control room needs to be maintained every year. |

राजेन्द्र गारवाड / RAJENDRA G. GARAWAD


उप वन महानिरीक्षक / Dy. Inspector General of Forests

व्याघ्र परियोजना

Project Tiger

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
Ministry of Environment, Forest and Climate Change
भारत सरकार नई दिल्ली / Govt. of India New Delhi

| S. No. | Item of works | Para No. | | Previous Year Details (2021-22) | | | | Current year proposal (2022-23) | | | | Justification | |
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| | | CSS-PT Guide lines | TCP | Location / GPS co-ordinates | Physical | | Financial | | Location / GPS co-ordinates | Physical target | Unit cost | | Amount (Financial Target) |
| | | | | | Target | Ach | Target | Ach | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 14 | Additional fuel for the vehicles during the fire season. | 16.2.vi | 10.5 | MTR-CORE | LS | LS | 2.00 | 1.994 | MTR-CORE | LS | LS | 2.00 | According to current ceiling, only 70 litres of diesel is provided per month per vehicle. 70 litres of diesel is not enough when using these vehicles in the task of controlling wildfires mainly during summers. Therefore, if more fuel is provided, these vehicles can be used more in the summer when wildfires occur and wildlife habitat can be protected from wildfires. Not only this but the wildlife also from time to time gone to the villages. Then immediately go there in these vehicles and send them back into the jungle. So extra fuel is definitely needed every year. |
| 15 | Maintenance of wireless equipments such base sets, Walkie-Talkie, batteries, antenna etc. | 16.2.vi | 7.2.2.2 | MTR-CORE | LS | LS | 3.00 | 0.000 | MTR-CORE | LS | LS | 2.00 | Wireless maintenance task is important every year in Tiger Reserve. At the same time, funding is needed for the replacement of batteries to the Walkie-talkie used for wireless operations every year including purchase of new Walki-talkies. |
| 16 | Provision of LPG gas for Elephant camps. | 16.2.vi | 7.2.1.6 | MTR-CORE | 720 Cylinders | 720 Cylinders | 10.80 | 10.641 | MTR-CORE | 750 Cylinders | Rs.1500 per cylinder | 11.25 | There are 28 captive elephants in the elephant camp at the Mudumalai Tiger Reserve. Funding is provided for the food materials to these 28 elephants. But the gas cylinders needed to cook those foods. On an average 85 LPG cylinders (commercial) would be consumed per month. Therefore the cost includes (@0.015x1000 cylinders = Rs.15.00 Lakhs. |
| 17 | Repair of Kumki elephant transport Lorry/Truck | 16.2.vi | 7.2.1.6 | MTR-CORE | --- | --- | --- | --- | MTR-CORE | 1 No. | 5.00 | 5.00 | The Mudumalai Tiger Reserve has 28 captive elephants. A truck/lorry was purchased to transport these Kumki elephants to prevent human-elephant conflicts in other forest division areas and is currently in a state of disrepair. For the past two years, the lorry of Sadvayal Elephant Camp in the Coimbatore Forest division has been used for transporting the captive elephants. So, funds are needed to repair that truck. |


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| III | HABITAT IMPROVEMENT&WATER DEVELOPMENT | | | | | | | | | | | | |
| 1 | Fresh removal of invasive species like Lantana camera, Senna spectabilis, Eupatorium etc (Medium growth) | 16.3 | 7.2.2.1 | ... | ... | ... | ... | ... | Nelakottai Range N 11.607614 E76.422797 Theppakadu Range N 11.623336 E 76.526609 Kargudi Range N 11.537702 E 76.547610 Mudumalai Range N 11.61620 E 76.45546 | 50 Ha | 69 mandays x 488.25 = Rs.33689/- | 16.84 | The Mudumalai Tiger Reserve is home to a wide variety of invasive alien species like Lantana (exotic weeds). Thus, it is very difficult to get grasses for wildlife in those areas especially for herbivores. This is currently one of the reasons why wildlife often leaves the forest. Hence, action should be taken to remove those exotic weeds from there. This will be very helpful in future to improve the wildlife habitats. |
| 2 | Maintenance of vayals for restoring grasslands and augmentation of water etc. by fresh removal of Exotic weeds | 16.3 | 7.2.2.1 | N.11.61203 E.76.47952 N.11.61465 E.76.49504 | 30 ha | 30 ha | 4.96 | 4.96 | Puliyalamvayal N11.62084 E076.48867 Mandamoolavayal N11.61203 E076.47952 Panangollivayal N11.61465 E076.49504 Naradhipalamvaya N11.61620 E076.45546 | 30 Ha | 35 mandays x 488.25 = Rs.17088.75/- | 5.13 | More vayals are found within the core area of Mudumalai Tiger Reserve. The water in these vayals is stagnant throughout the year. This water is the main source of drinking water for the wildlife during the summers. But at present the vayals and its surroundings are overgrown with alien weeds such as Lantana and Eupatorium. So by maintaining these vayals every year we can increase the water holding capacity in the vayals.Vayals are also a very important to be maintained for the welfare of wildlife to provide fodder resources. 1)Puliyalamvayal - 5 ha , 2)Mandamoolavayal - 10 ha 3)Panangollivayal - 10 ha 4)Naradhipalamvayal - 5 ha |

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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 3 | Maintenance (2nd year)of habitat by continuous removal/working of exotic weeds working including removing, remnant and new recruits like lantana etc. | 16.3 | 7.2.1.6 | Kargudi Range N 11.58251 E 076.571919 N 11.57450 E076.54522 N 11.57686 E076.56903 Theppakadu Range N 11.59673 E 076.58661 N 11.60325 E076.59649 N 11.60878 E076.58245 N 11.61243 E076.56672 N 11.60950 E076.57574 | 80 Ha (For 1st year maintenanc e) @ RS 16550 per Ha | 80 Ha | 13.24 | 13.237 | .. | .. | .. | .. | Work compeled and payment made. |
| 4 | Maintenance (3rd year)of habitat by continuous removal/working of exotic weeds working including removing, remnant and new recruits like lantana etc. | 16.3 | 7.2.1.6 | .. | .. | .. | .. | .. | Kargudi Range N 11.58251 E 076.571919 N 11.57450 E076.54522 N 11.57686 E076.56903 Theppakadu Range N 11.59673 E 076.58661 N 11.60325 E076.59649 N 11.60878 E076.58245 N 11.61243 E076.56672 N 11.60950 E076.57574 | 80 Ha | 23.95 x 488.25 = Rs.11693.59 | 9.35 | Exotic weeds called Lantana have been removed in some places in recent years. But other weeds and Lantana seeds that are there are more likely to germinate and spread if maintenance work is not done on that removed area in the previous year as above. So, maintenance is very necessary for 3 rd year for 80.00 Ha. |
| 5 | Improvement of water holes by minor repairs etc. | 16.3 | 7.2.2.1 | श्री गारवाड़ / RAJENDRA G. GARAWAD महापिरीक्षक / Dy. Inspector General of Forests व्याघ्र परियोजना Project Tiger पर्यावरण, जलवायु परिवर्तन और पर्यावरण, वन और जलवायु परिवर्तन विभाग, नई दिल्ली / Govt. of India New Delhi | गारवाड़ / RAJENDRA G. GARAWAD महापिरीक्षक / Dy. Inspector General of Forests व्याघ्र परियोजना Project Tiger पर्यावरण, जलवायु परिवर्तन और पर्यावरण, वन और जलवायु परिवर्तन विभाग, नई दिल्ली / Govt. of India New Delhi | Gamehul N.11.60864 E.76.51021 Ombeta N.11.57695 E.76.37017 Narathi N.11.61906 E.76.46237 C.3 N.11.55804 E.76.54984 | 4 Nos | 1.00 | 4.00 | The proposed works during 2022-23 are the major check dams which cater the drinking water to wildlife throughout the year. Hence to increase the storage capacity and to maintain water supply during pinch period minor repairs is very essential in these locations. | | | |

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| | | | | | Target | Ach | Target | Ach | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 6 | Restoration of natural water holes along road sides. | 10.3 | 7.2.2.1 | | | | | | Ponnangiri road N.11.58861 E. 76.57328 N.11.58927 E. 76.57133 Mudumalai road N.11.58793 E. 78.56364 | 3 Nos | 1.00 | 3.00 | Since Mudumalai has rich wildlife population, congregation of animals along road side is mostly visible through the year and evenly distributed in all four ranges especially in natural water source exist. These water holes provide water to wildlife regularly during monsoon and post monsoon period. However, they get dry during summer season. It is proposed to restore these saucer type water holes with providing trough to the existing alignment so that water can be filled in the trough for the use of wildlife during pinch period. |
| IV ADDRESSING MAN-ANIMAL CONFLICT | | | | | | | | | | | | | |
| 1 | Procurement of Tranquilization equipment and medicines | 16.4 | 7.2.2.2 | MTER-CORE | LS | LS | 3.00 | 3.00 | | LS | 3.00 | 3.00 | Tranquilising equipments, including medicines is a <i>sine qua non</i> for management of departmental elephants and also marauding wild animals. Hence this component is essential. |
| 2 | Engaging anti- depredation watchers to drive wild animals from Agri land. | 16.4 | 7.2.2.4 | | | | | | MTR-CORE | 15 Nos | Rs 12500 per month per watcher for one year | 22.50 | The southern boundary of the Mudumalai Tiger Reserve core division is located along the villages of the Gudalur territorial Forest Division. From time-to-time elephants, tigers and leopards from the Mudumalai Tiger Reserve infiltrate in to these villages and cause damage to humans. These ADW watchers are very important to prevent this damage and drive the animal back to forest. |

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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | |
| V FOSTERING ECO-TOURISM IN TIGER RESERVE | | | | | | | | | | | | | | |
| 1 | Maintenance of awareness boards, Publicity materials in tourism zone | 16.17 | 11.4 | MTR-CORE | LS | LS | 2.00 | 0.000 | MTR-CORE | LS | LS | 2.00 | The National Highway, State Highway and Village Roads run through the Mudumalai Tiger Reserve. Hundreds of vehicles pass here daily. People traveling in vehicles should be made aware of the Tiger Reserve. Awareness boards have been set up at various places for this purpose. This should be maintained every year. | |
| 2 | Maintenance of existing Interpretation Centre at Theppakkad | 16.21 | 11.4 | MTR-CORE | ... | ... | ... | ... | Theppakkad | 1 No. | 15.00 | 15.00 | There is currently an Interpretation Centre near the Theppakadu Reception Centre. It was built ten years ago. Tourists visit here daily. It has been ten years. Hence the maintenance work was done. | |
| TOTAL RECURRING - CORE | | | | | | | 353.72 | 265.281 | | | | 392.95 | | |
| RECURRING-BUFFER | | | | | | | | | | | | | | |
| I ANTI POACHING ACITIVITIES | | | | | | | | | | | | | | |
| 1 | Establishment of highway patrolling squads to protect the wild animals from road accidents | 16.1 | 7.2.2.1 | MASINAGUDI DIVISION | 2 squads for 12 months | 2 squads for 12 months | 9.12 | 9.120 | MASINAGUDI DIVISION | 2 squads for 12 months | Rs 40000 per squad per month | 9.60 | Three important roads (the 22 km long tarred road from Thorapalli to Kallhatti and two roads from this main road go to Singara and Moyar villages. There are more habitations along these road sides. Vehicles from Karnataka and Kerala also use this main road to reach Ooty pass through the Tiger Reserve. This squad is required to monitor vehicles on these roads properly and thereby prevent any accidents to wildlife on these roads. | |
| 2 | Engaging Anti-Poaching Watchers | 16.1 | 7.2.2.1 | MASINAGUDI DIVISION | 65 No.x12 months | 65 No.x12 months | 97.50 | 97.500 | MASINAGUDI DIVISION | 65 No.x12 months | Rs 12500 per months | 97.50 | There are 19 Nos of Anti poaching camps functioning in this Division and two Anti-poaching camps have been proposed during the current year in strategic locations. The area of this Division is around 450 Sq.km. 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. | |
| 3 | Supply of Ration to Anti-Poaching camps | 16.1 | 7.2.2.1 | राजेंद्र गारवाड़ / RAJENDRA G. GARAWAD उप वन महाशिक्षक / Dy. Inspector General of Forests व्योम परिचालना | | | | | | | | | There are already 19 poaching camps are being operated in the Masinagudi Division and one Anti-poaching camp has been proposed during the current year. These Anti-poaching watchers stay deep inside the forest and protect the forest and its resources; hence they have to be supplied with regular ration for effective patrolling. Hence this is proposed | |
| 4 | Equipping anti - poaching camps by providing Ruck sacks, powerful torches, chargers, cots, Kitchen utilities etc. | 16.2 | 7.2.2.1 | पर्यावरण, वन, जल संसाधन एवं पर्यटन विभाग परिवर्तन मंत्रालय @ B-8, Pashar Road, Connaught Place, New Delhi Project Tiger 20 camps 20 camps | | | | | | | | | 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. |

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| II STRENGTHENING OF INFRASTRUCTURE WITHIN TIGER RESERVES | | | | | | | | | | | | | |
| 1 | Annual maintenance of anti - poaching camp buildings including minor repairs. | 16.2 | 7.2.2.1 | 1) N 11.61334 E 076.74816 2) N 11.54455 E 076.56992 3) N 11.55627 E 076.60814 4) N 11.53293 E 076.00548 | 4 No. | 4 No | 4.80 | 4.800 | 11.58276, 76.68034. 11.57205, 76.57566. 11.59053, 76.62769. 11.55797, 76.96105. 11.55981, 76.86276. 11.50786, 76.69858. 11.54154, 76.64454, 11.55627, 76.60814. 11.53924, 7.57469. 11.57301, 76.70586. | 10 No. | Rs 75000 each | 7.50 | To maintain the anti-poaching Camp buildings for its durability and clean environment annual maintenance such as white washing, colour washing and minor repairs are essential. 10 camps are proposed during 2022-23. |
| 2 | Strengthening anti-poaching camp with toilet and kitchen shed etc. | 16.2 | 7.2.2.1 | 1.N 11.57294 E 076.83466 2. N 11.57301 E 076.70586 3.11.61334, 76.74816 | 4 No. | -- | 9.00 | 1.000 | 1. Jagalikadavu AP Camp 11.57301 76.70586 2. Boothipatty AP Camp 11.54223 76. 83295 3. JD Camp 11.55621 76. 60814 | 4 No. | Rs 2.25 each | 9.00 | There are 19 Anti-poaching camps available in this division. The following AP Camps having Bore well are not functional and hence reworking the Bore well or digging new bore well 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 3 such camps are proposed for 2022-23. |
| 3 | Strengthening anti - poaching camps by providing solar pumping system /reworking the existing bore well for providing water facilities. | 16.2 | 7.2.2.1 | 1.N 11.57294 E 076.83466 2. N 11.57301 E 076.70586 3.11.61334, 76.74816 | 3 No. | 3 Nos. | 12.00 | 12.00 | 1. Jagalikadavu AP Camp 11.57301 76.70586 2. Boothipatty AP Camp 11.54223 76. 83295 3. JD Camp 11.55621 76. 60814 | 2 Nos. | Rs 6.00 lakhs each | 12.00 | There are 19 Anti-poaching camps available in this division. The following AP Camps having Bore well are not functional and hence reworking the Bore well or digging new bore well 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 3 such camps are proposed for 2022-23. |

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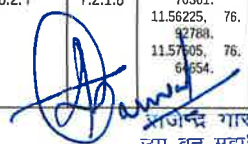
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| | | | | | Target | Ach | Target | Ach | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 4 | Strengthening of watch tower for monitoring the wild fire and other illegal activities | 16.2. iv | 13.4 | 1)N11.549953 E076.757931 2)N 11.51332 E 076.78055 3)N 11.53900 E 076. 68417 4)N 11.49682 E 076. 68948. | 4 Nos. | 4 Nos. | 4.00 | 2.117 | 1.11.51332, 76.78055, 2.11.55123, 76.89902 | 2 No. | Rs 2.00 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 2 existing watch Towers. |
| 5 | Maintenance of fair-weather roads leading to anti-poaching camps. | 16.2. ii | 10.7 | 11.561457, 76.875578 | 1 no of Fairweather road to Tulukampatty. | 1 no of Fairweather road to Tulukampatty. | 1.96 | 1.960 | Moyar Beat 11.58714 076.63151 Avarallah Beat 11.59146 076.66824 | 3 Km | Rs.5.00 lakhs per km | 15.00 | A network of roads across the interstate boundary for protection purpose and the area is more prone to forest fire hence, transportation of fire protection watches, APW, Water etc as quickly reach destination during fire season. These roads are maintained as Fair weather roads with WBM layers, side drain including construction of small bridges and causeway etc. on priority of damaged patches, for faster movement. The maintenance of roads is vital for protection purpose. |
| 6 | Replacement of existing chain gates with Barricades | 16.2. ii | 10.7 | | | | | | Asuvaramattam Road 11.55573 76.74786 Thenparal Road 11.537831 76.783551 Thengumarahada 11.45173 76.93623 Chithrampatti 11.55977 92934 | 4 No. | Rs 28000 each | 1.12 | 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 |
| 7 | Maintenance of vehicles, Jeeps including lubricants. | 16.2.viii | 7.2.1.8 | | | | | | | | | 3.00 | This provision for 2022-23 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. |
| 8 | Cost of office stationery in the office of deputy director and range offices. | 16.2.ix | 7.2.1.8 | | | | | | | | | 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 this provisions for 2022-23. |
| 9 | Maintenance of office equipments like computers, Xerox machine, printer, UPS and other equipments. | 16.2 | 7.2.1.8 | | | | | | | | | 2.00 | The amount proposed for 2022-23 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. |

| S. No. | Item of works | Para No. | | Previous Year Details (2021-22) | | | | Current year proposal (2022-23) | | | | Justification | |
|--------|---|--------------------|---------|---------------------------------|---------------------------|---------------------------|-----------|---------------------------------|-----------------------------|--------------------------|---|---------------|--|
| | | CSS-PT Guide Lines | TCP | Location / GPS co-ordinates | Physical | | Financial | | Location / GPS co-ordinates | Physical target | Unit cost | | Amount (Financial Target) |
| | | | | | Target | Ach | Target | Ach | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 10 | Engaging computer operators. | 16.2 | 7.2.1.8 | MASINAGUDI DIVISION | 6 No.x12 months@ Rs 22578 | 6 No.x12 months@ Rs 22578 | 16.25 | 15.1060 | MASINAGUDI DIVISION | 7 No.x12 months | 1 No @ Rs 20525/- for head office and 7 Nos @ Rs.16420/- for Range office | 16.25 | Since the system of work depends on Computers, Computer operators are required for entry of data on day-to-deactivates 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. Moreover two Technical Assistants are essentially required for assisting in technical works and research works in the project. 1) Research Assistant - 1 No. 3) Technical work - 1 No. 4) IFHRMS/PFMS work- 2 Nos. 5) Masinagudi Range - 1 No. 6) Singara Range - 1 No. 7) Segur Range - 1 No. 8) NES Range - 1 No |
| 11 | Annual maintenance of fire line in fire vulnerable locations and along roadsides for avoiding further spread of wild fire to a width of 6 meters. | 16.2.vi | 13.4 | GPS (?) | 400 km | 354 km | 56.73 | 48.788 | GPS (?) | 400 Kms | Rs 14647/- per Km | 58.59 | Maintenance of fire lines is an essential work to avoid spread of fires in existing fire lines. The existing network of fire lines 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 fire line has to be cleared annually. |
| 12 | Creation of new fire lines along the Nilgris division boundary | 16.2.vi | 13.4 | -- | -- | -- | -- | -- | MASINAGUDI DIVISION | 100 Kms | Rs.14647/- per Km | 14.65 | Majority of the Division Boundaries does not have fire lines Major fires spread from the adjoining Divisions. Hence, it is proposed to create new fire lines along the Division boundaries. |
| 13 | Engaging fire watchers 60 numbers for 4 months. | 16.2.vi | 13.4 | MASINAGUDI DIVISION | 60 Nos x 4 months | 60 Nos x 4 months | 28.36 | 28.36 | MASINAGUDI DIVISION | 60 Nos 4 months =240 Nos | Rs 12206/- per month | 29.29 | Engaging Fire Protection Watchers for 4 months @ 15 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. |
| 14 | Additional fuel for the vehicles during the fire season. | 16.2.vi | 7.2.1.8 | MASINAGUDI DIVISION | LS | LS | 4.00 | 1.614 | MASINAGUDI DIVISION | 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 Nilgris 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 for every year. |

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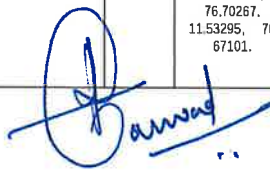
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| | | | | | Target | Ach | Target | Ach | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | Cost of fuel & oil for Highway patrolling vehicles (Enfield Himalayan Motor cycles) | 16.2.vi | 7.2.1.8 | -- | -- | -- | -- | -- | MASINAGUDI DIVISION | LS | LS | 1.00 | There are 5 major highways across this division areas i.e.Kalhaty to Theppakadu, Masinagudi to Moyar, Masinagudi to Bokkapuram and Masinagudi to Siriyur. Tourists from Kerala, Karnataka, Maharashtra, Telungana take this route to reach Ooty. Hence, during weekends and holidays heavy tourists movement takes place in these routes. 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 and the fuel for which is essential. |
| 16 | Maintenance of wireless equipments such base sets, walkie Talkies, batteries, antenna etc. | | 7.2.2.1 | MASINAGUDI DIVISION | LS | | 3.00 | 0.00 | MASINAGUDI DIVISION | LS | LS | 3.00 | Wireless maintenance task is important every year in Tiger Reserve. At the same time, funding is needed for the replacement of batteries to the Walki-talkies used for wireless operations and for the purchase of new Walki-talkies. |
| 17 | Improvement and maintenance of staff Qrs.. | 16.2. i | 11.4 | 11.53077, 76.70361. 11.53077, 76.70363. 11.548966, 76.758623 11.567875, 76.638215 11.476667, 76.683485 11.55981, 76.86276 11.45173, 76.93623 11.45166, 76.93624. 11.57547, 76.6474. | 9 Nos. | 6 Nos. | 20.00 | 19.5 | 11.53078, 76.70362. 11.53077, 76.70361. 11.53077, 76.70363. 11.54830, 76.75805. 11.56750, 76.63801. 11.54549,76.67906. 11.47663,76.68343. 11.55480, 76.94986. 11.57563, 76.64715. 11.57536, 76.64715. 11.57536, 76.64721. | 11 Nos. | Rs.2 lakhs each | 22.00 | Buildings for housing the subordinates are pretty old and need up gradation for their upkeep. The works include renewal of damaged roofing floors with tiling, upgrading bathroom and toilet facilities, re-arrangement electrical, repairs to joineries and other minor repairs to the structures including painting the buildings etc. are required to be maintained for the buildings. 11 buildings are proposed for 2022-23. |
| 18 | Improvement and maintenance of non-residential buildings. | 16.2. i | 7.2.1.8 | 11.569083, 76.638088. 11.56798, 76.63770. 11.53073, 76.70361. 11.56225, 76.92788. 11.57505, 76.64554. | 5 Nos. | 4 Nos. | 10.00 | 6.50 | 11.45166, 76.93624. 11.45166, 76.93624. 11.56819, 76.63811. | 3 No. | Rs.2.5 lakh each | 7.50 | Buildings for housing the subordinates are pretty old and need up gradation for their upkeep. The works include renewal of damaged roofing floors with tiling, upgrading bathroom and toilet facilities, re-arrangement electrical, repairs to joineries and other minor repairs to the structures including painting the buildings etc., are required to be maintained for the buildings. 11 buildings are proposed for 2022-23. |



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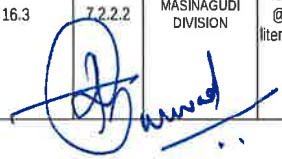
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| S. No. | Item of works | Para No. | | Previous Year Details (2021-22) | | | | Current year proposal (2022-23) | | | | Justification | |
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| | | CSS-PT Guide lines | TCP | Location / GPS co-ordinates | Physical | | Financial | | Location / GPS co-ordinates | Physical target | Unit cost | | Amount (Financial Target) |
| | | | | | Target | Ach | Target | Ach | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| III HABITAT IMPROVEMENT&WATER DEVELOPMENT | | | | | | | | | | | | | |
| 1 | Fresh removal of invasive species like Lantana camera, Senna spectabilis, Eupatorium etc. (Medium growth) | 16.3 | 7.2.2.2 | 11.60502, 76.61984, 11.57600, 76.60356, 11.60356, 76.65570, 11.58497, 76.65893, 11.57901, 76.59214, 11.57008, 76.62716, 11.56551, 76.61214, 11.54938, 76.57441, 11.53238, 76.66093, 11.54938, 76.57441, 11.53228, 76.66093, 11.54628, 76.66063, 11.52548, 76.66063, 11.52548, 76.66949 | 50 ha | 50 ha | 23.63 | 23.63 | 11.573721, 76.592912, 11.5298389, 76.676682 N.11.52759 E 076.74727 | 50 Ha. | Rs 33689 per Ha | 16.84 | The Mudumalai Tiger Reserve is infested with wide variety of invasive alien species like Lantana (exotic weeds). Thus, it is very difficult to get grasses for wildlife in those areas especially for herbivores. This is currently one of the reasons why wildlife often leaves the forest. Hence, action should be taken to remove those exotic weeds from there. This will be very helpful in future to improve the wildlife habitats. |
| 2 | 2 nd year Maintenance work on areas already Lantana was removed earlier years (during the year 2021-22).i.e. uprooting of other exotic weeds growing there and newly sprouted/recruits of Lantana weeds. | 16.3 | 7.2.2.2 | 11.60502, 76.61984, 11.57600, 76.63556, 11.60356, 76.65570, 11.58497, 76.65893, 11.52383, 76.70267, 11.53295, 76.67101 | 104 Ha (For 2nd year maintenance) @ RS 21769 per Ha | | 22.64 | 0.00 | 11.573721, 76.592912, 11.5298389, 76.676682 | 50 Ha | @ Rs. 22191 per Ha (1st year maintenance) | 11.09 | Exotic weeds called Lantana have been removed in some places in recent years. But other weeds and Lantana seeds that are there are more likely to germinate and spread if maintenance work is not done on that removed area. So, maintenance is very necessary for the previous year (2021-22) cleared area of 50 Ha, as above |



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| S. No. | Item of works | Para No. | | Previous Year Details (2021-22) | | | | Current year proposal (2022-23) | | | | Justification | |
|--------|---|--------------------|---------|---|---------------------------------|---------------------------------|-----------|---------------------------------|---|-----------------|--|---------------|--|
| | | CSS-PT Guide lines | TCP | Location / GPS co-ordinates | Physical | | Financial | | Location / GPS co-ordinates | Physical target | Unit cost | | Amount (Financial Target) |
| | | | | | Target | Ach | Target | Ach | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 3 | 3 rd year Maintenance work on areas already Lantana was removed earlier years (during the year 2020-21).i.e. uprooting of other exotic weeds growing there and newly sprouted/recruits of Lantana weeds. | 16.3 | 7.2.2.2 | 11.60502, 76.61984. 11.57600, 76.63556. 11.60356, 76.65570. 11.58497, 76.65893. 11.54608, 76.56354. 11.52383, 76.70267. 11.53295, 76.67101. | 200 Ha | | 22.64 | 0.00 | 11.60502, 76.61984. 11.57600, 76.63556. 11.60356, 76.65570. 11.58497, 76.65893. 11.52383, 76.70267. 11.53295, 76.67101. | 104 Ha | Rs.11693/- per Ha (2nd year maintenance) | 12.16 | Exotic weeds called Lantana have been removed in some places in past years. But other weeds and Lantana seeds that are there are more likely to germinate and spread if maintenance work is not done on that removed area during 2020-21 weed removal was done at 104 Ha. During 2021-22 second year maintenance was done.. So, maintenance for 3 rd is very necessary. |
| 4 | Improvement of water holes by de-silting and minor repairs etc.. | 16.3 | 7.2.2.2 | 11.56671 76.61112 11.55626 76.00185 11.54065 76.67624 11.54798 76.75562 | 4 No. | 0.00 | 4.00 | 0.00 | 76.79292. 11.55855, 76.85514. 11.54798 76.75562 11.55133 76.79292 11.51632, 76.70466. 11.52606, 76.69310. 11.54065, 76.67624. 11.55647, 76.61752. 11.56861, 76.59615. 11.58630, 76.65221. 11.55530, 76.56145. 11.55716, 76.60270. | 6 Nos. | Rs 0.50 lakh Each | 3.00 | Improvement of water holes by de-silting and minor repairs etc. are required annually to ensure water facility to wildlife during pinch period. |
| 5 | Providing water to wildlife during pinch period | 16.3 | 7.2.2.2 | MASINAGUDI DIVISION | 400 Trips @ 1300 litersper trip | 400 Trips @ 1300 litersper trip | 6.40 | 6.40 | MASINAGUDI DIVISION | 400 Trips | Rs 1600 per trip | 6.40 | Troughs have been built at various places in the Mudumalai Tiger Reserve for wildlife to drink water especially during summer. At the same time some puddles have also been created. There is no borewell in these places. Water should be brought from outside by tractor lanker and pumped here to prevent water shortage in the forest. This is an important work that needs to be done every summer. |

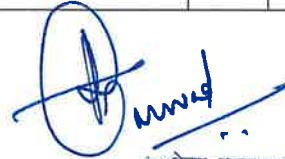


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| | | | | | Target | Ach | Target | Ach | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| IV ADDRESSING MAN-ANIMAL CONFLICT | | | | | | | | | | | | | |
| 1 | Formation of new elephant proof trenches | 16.4 | 7.2.2.4 | 11.578335 76.761535 | 120 meters | 0.00 | 1.02 | 0.00 | -- | -- | -- | -- | Work not carried out. Hence separate revalidation proposal for financial target is being submitted for revalidation during the year 2022-23. |
| 2 | Immunisation of domestic animals in the fringe villages | 16.4 | 7.2.2.4 | MASINAGUDI DIVISION | 2 camps | 3 camps | 1.20 | 1.20 | MASINAGUDI DIVISION | 4 camps | Rs 50000 per camp | 2.00 | Immunization of all cattle in and around the Reserve will be done to avoid spread of diseases from domestic cattle to wild animals. In Masinagudi area about 8000 cattle exist. Hence this is proposed. |
| 3 | Conducting medical camps in fringe villages | 16.4 | 7.2.2.4 | MASINAGUDI DIVISION | 2 camps | 0.00 | 0.50 | 0.00 | MASINAGUDI DIVISION | 3 camps | Rs 50000 per camp | 1.50 | 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 annually. |
| 4 | Engaging anti- depredation watchers to drive wild animals from Agri land. | 16.4 | 7.2.2.4 | -- | -- | -- | -- | -- | -- | -- | -- | -- | The southern boundary of the Mudumalai Tiger Reserve buffer division is located along the villages of the Nilgiris territorial Forest Division. From time-to-time elephants, tigers and leopards from the Mudumalai Tiger Reserve infiltrate in to these villages and cause damage to humans. This ADW watchers are very important to prevent this damage and drive the animal back to forest. Hence the funding is required during 2022-23. |
| V FOSTERING ECO-TOURISM IN TIGER RESERVE | | | | | | | | | | | | | |
| 1 | Maintenance of awareness boards, Publicity materials in tourism zone | 16.17 | 7.2.2.4 | MASINAGUDI DIVISION | LS | LS | 2.00 | 2.00 | MASINAGUDI DIVISION | LS | LS | 2.00 | The National Highway, State Highway and Village Roads run through the Mudumalai Tiger Reserve. Hundreds of vehicles pass here daily. People traveling in vehicles should be made aware of the Tiger Reserve. Awareness boards have been set up at various places for this purpose. This should be maintained every year. |
| VI STAFF DEVELOPMENT AND CAPACITY BUILDING | | | | | | | | | | | | | |
| 1 | Conducting training in various aspects to staff with the help of specialised personal or institution | 16.8 | 7.2.2.3 | MASINAGUDI DIVISION | LS | LS | 2.00 | 0.00 | MASINAGUDI DIVISION | LS | LS | 2.00 | The amount required annually 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. |
| VII RESEARCH & FIELD EQUIPMENTS | | | | | | | | | | | | | |
| 1 | Research and survey operation for vulture conservation | 16.7 | 11.1 | MTR-BUFFER | LS | LS | 3.00 | 1.000 | -- | -- | -- | -- | -- |
| 2 | Conducting study / survey of birds and butterflies in MTR Masinagudi division | 16.7 | 11.1 | MTR-BUFFER | LS | LS | 0.00 | 0.000 | -- | -- | -- | -- | -- |
| TOTAL RECURRING - BUFFER | | | | | | | | | | | | 375.99 | |

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| | | | | | Target | Ach | Target | Ach | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| RECURRING - TIGER BEARING AREAS | | | | | | | | | | | | | |
| A MUKKURUTHI NATIONAL PARK | | | | | | | | | | | | | |
| 1 | Removal of invasive weeds like Wattle | 16.3 | 7.2.2.1 | N.11.19547 E.76.184361 N.11.19367 E.76.45454 N.11.20878 E.76.47247 | 100 Ha | 75 | 16.55 | 12.41 | -- | -- | -- | -- | -- |
| 2 | Maintenance of Fire Lines | 16.2.vi | 10.4 | N 11.25800 E076.50410 N 11.20270 E076.44080 N 11.26140 E 076.50410 N 11.27940 E 076.53080 N 11.25616 E076.50536 | 40 km | 30 km | 5.67 | 4.255 | N 11.25800 E076.50410 N 11.20270 E076.44080 N 11.26140 E 076.50410 N 11.27940 E 076.53080 N 11.25616 E076.50536 | 30 km | Rs.14647/- per km | 4.39 | The Mukuruthi National Park is located adjoining to Kerala State border from where fire threats are common. Hence to protect the Park from spreading of fire, fire breaks in the form of fire line are to be maintained. Also fire lines within the Park area is also maintained for fire protection. |
| 3 | Hiring Fire Protection Watchers for 4 months from December to March | 16.2.vi | 10.4 | --- | 5 No. x 4 months | 5 No. x 3 months | 2.36 | 1.773 | --- | 5 Nos x 4 months | Rs.12206/- | 2.44 | Towards fire control measure Fire watchers are required annually. |
| TOTAL RECURRING – MUKURUTHI NATIONAL PARK | | | | | | | 24.58 | 18.438 | | | | 6.83 | |



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| | | | | | Target | Ach | Target | Ach | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| B | NILGIRIS DIVISION | | | | | | | | | | | | |
| I | ADDRESSING MAN-ANIMAL CONFLICT | | | | | | | | | | | | |
| 1 | Engaging anti- depredation watchers to drive wild animals from Agri land for 12 months | 16.4 | 7.2.2.3 | .. | .. | .. | .. | .. | NILGIRIS DIVISION | 10 Nos | 12 months @ Rs.12500/- | 15.00 | The southern boundary of the Mudumalai Tiger Reserve BUFFER division is located along the villages of the NILGIRIS territorial Forest Division. From time-to-time elephants, tigers and leopards from the Mudumalai Tiger Reserve infiltrate in to these villages and cause damage to humans. These ADW watchers are very important to prevent this damage and drive the animal back to forest. Hence proposed for 2022-23. |
| TOTAL RECURRING – NILGIRIS DIVISION | | | | | | | 0 | 0 | | | | 15.00 | |
| C | GUDALUR DIVISION | | | | | | | | | | | | |
| I | ADDRESSING MAN-ANIMAL CONFLICT | | | | | | | | | | | | |
| 1 | Engaging anti- depredation watchers (SQUAD) to drive wild animals from Agri land for 12 months | 16.4 | 7.2.2.3 | .. | .. | .. | .. | .. | GUDALUR DIVISION | 10 Nos | 12 months @ Rs.12500/-per month | 15.00 | The southern boundary of the Mudumalai Tiger Reserve CORE division is located along the villages of the GUDALUR territorial Forest Division. From time-to-time elephants, tigers and leopards from the Mudumalai Tiger Reserve infiltrate in to these villages and cause damage to humans. These ADW watchers are very important to prevent this damage and drive the animal back to forest. Hence proposed for 2022-23. |
| TOTAL RECURRING – GUDALUR DIVISION | | | | | | | 0 | 0 | | | | 15.00 | |
| TOTAL RECURRING – TIGER BEARING AREAS | | | | | | | 24.58 | 18.44 | | | | 36.83 | |
| GRAND TOTAL RECURRING | | | | | | | 755.05 | 566.28 | | | | 806.77 | |
| GRAND TOTAL | | | | | | | 1053.58 | 790.169 | | | | 1106.63 | |

ABSTRACT

| (Rs in lakhs) | | | |
|---------------|---------------------|----------|--------------------|
| SI No | Items | Sanction | Central Assistance |
| 1 | Non Recurring (60%) | 299.86 | 179.92 |
| 2 | Recurring (50%) | 806.77 | 403.39 |
| | Total | 1,106.63 | 583.30 |

| (Rs in lakhs) | | |
|-------------------------------------|-------|------------|
| Cost of APO including State's share | A | 1,106.6300 |
| Center's share in APO | B | 583.3010 |
| 1st release @25% of Center share | C | 145.8253 |
| Less: Unspent balance FY 2021-22 | D | 0.00229 |
| Adjusted first release | E=C-D | 145.8230 |



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