

No. 4-1(38)/2016-PT
Government of India
Ministry of Environment, Forest and Climate Change
Project Tiger Division

B-1 Wing, 7th Floor,
Paryavaran Bhawan,
CGO Complex, Lodhi Road,
New Delhi-110003
Tel. (EPABX) +91 11 2436 7837- 42
Fax No. +91 11 2436 7836
E-mail: dig-ntca-mef@nic.in

Dated the 26th August, 2016

To,

The Sr. Pay & Accounts Officer,
Ministry of Environment, Forest and Climate Change,
New Delhi.

Sub: Centrally Sponsored Plan Scheme 'Project Tiger' Administrative Approval for funds release to Parambikulam Tiger Reserve, Kerala during 2016-17.

Sir,

I am directed to convey the administrative approval of the competent authority to the continuance of the Scheme 'Project Tiger' in Parambikulam Tiger Reserve, Kerala at the cost of **Rs. 679.60 Lakhs (Rupees Six hundred Seventy Nine Lakhs Sixty thousand only)** as per details given in the annexure. Of the total cost of the scheme, Rs. 514.64 lakhs being the recurring cost of the scheme will be shared on 50:50 basis by the **Government of India** and the **Government of Kerala**. The remaining cost of the scheme will be treated as 60% Central Assistance by the Government of India and 40% assistance by the State Government of Kerala.

2. I am also directed to convey the sanction of the President to the payment and release of an amount of **Rs. 280.462 lakhs (Rupees Two hundred Eighty Lakhs Forty Six thousand Two hundred only)** including of 10% flexi-fund to the State Government towards the Grants-in-aid to Government of Kerala during the current financial year 2016-17. The balance amount of the Central Assistance will be released in due course after a review of the progress of expenditure/work is undertaken.

3. The grants-in-aid will be regulated in accordance with the provisions contained in the memorandum of the Centrally Sponsored Project Tiger Scheme. The Grants-in-Aid is also subject to the Chapter 9 of the General Financial Rules 2005, as amended from time to time, read with the Government of India's decision incorporated there-under, and any other guidelines which may be issued in this regard, and in particular to the following conditions:-

- (i) All relevant information and documents/certificates as required under GFR 209(I) have been received.
- (ii) The pattern of assistance of rules governing such grants-in-aid have received the approval of the Ministry of Finance, as required under Government of India decision No. (1) under DFPR-Rules 20.
- (iii) Terms and conditions of the service of the employees employed in the **Parambikulam Tiger Reserve** under the Project Tiger Scheme are not higher than those applicable to similar categories of employees of Central Government and where it is not in accordance with above,



- the relaxation of Ministry of Finance have been obtained for such discrepancies as required under GFR 208(6)(iv)(a).
- (iv) Assets acquired wholly or substantially out of Government Grants shall not be disposed off without obtaining the prior approval of the sanctioning authority of Grants-in-aid.
 - (v) The **Government of Kerala** 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 **Parambikulam Tiger Reserve** shall be audited by C&AG or by any person authorized by him on his behalf in accordance with the provisions laid down in Section 14 of the C&AG (DPC) Act, 1972 as amended from time to time.
 - (vii) The accounts of the Project Tiger Scheme shall be open for inspection by the sanctioning authority and audit, both by the Comptroller & Auditor General of India under the provision of C&AG (DPC) Act, 1972 and internal audit party by the Principal Accounts Office of the Ministry whenever it is called upon.
 - (viii) The Utilisation Certificate against the earlier funds released under Grants-in-aid have been received and accepted by the competent authority.
 - (ix) Government of Kerala in respect of **Parambikulam Tiger Reserve** may furnish their performance-cum-achievement report alongwith Utilisation Certificate in prescribed format on or before 31.3.2017.
 - (x) **Parambikulam Tiger Reserve** will spend Grants-in-aid exclusively in pursuance of the objectives envisaged in rules/memorandum of the Centrally Sponsored 'Project Tiger Scheme' and for the purpose it is being sanctioned.
 - (xi) Grants-in-aid to **Government of Kerala** is subject to the Economy Instructions issued from time to time by the Ministry of Finance or by the Competent Authority.
 - (xii) Grants-in-aid shall be utilized before the end of the current financial year 2016-17 and unspent balance, if any, will be refunded by **Government of Kerala** to the **Govt. of India**.
 - (xiii) Government of Kerala in respect of **Parambikulam Tiger Reserve** will maintain a separate account and will present their annual accounts in the standard format as required under GFR 209(xiii).
 - (xiv) Grants-in-aid shall be utilized for **Parambikulam Tiger Reserve** strictly as per the Memorandum of Understanding (MOU) between the Ministry of Environment, Forest and Climate Change, acting through the National Tiger Conservation Authority, Field Director (Parambikulam Tiger Reserve) and **Government of Kerala**.
 - (xv) Monitorable outcomes on the item of works contained in the sanction letter both in physical and financial terms are required to be furnished in the monthly report regularly. Compliance status on Tripartite Memorandum of Understanding is required before submission of additional or ensuing year's Annual Plan of Operation (APO).
 - (xvi) The expenditure should be limited to the amount released and in no case should be done in anticipation of further release by the Ministry.
 - (xvii) **The payments of daily wagers should be done through account transfer / account payee Cheques only duly linked with Aadhar Number.**
 - (xviii) It may please be ensured that there is no duplication of nature and items of work being proposed in the same area under the Centrally Sponsored Scheme of Project Tiger and other Centrally Sponsored Schemes such as Project Elephant, Eco-development and IDWH Schemes etc.
 - (xix) The cost estimates worked out by the Field Director should be based on approved schedule of rates of the State Government, with due approval of the competent authority.
 - (xx) Approval of the competent authority be obtained and acceptance of UC may be ensured by PD.
 - (xxi) Payments are made by bank transfer and no cash payment is to be made.
 - (xxii) GFR is followed by implementing agency alongwith the economic instructions issued by Government of India from time to time.



- (xxiii) Satellite photo with date and latitude and longitude nodes after completion of work depicting the work carried out before and after the work.
- (xxiv) The UCs with photographs and progress report are to be uploaded in the website of the State Government and Ministry for public viewing.
- (xxv) Evidence of deposit of TDS/Service Tax in case of contract payment and CST in case of leviable goods are sent along with UC.
- (xxvi) In case of employment through contract, copy of PF & ESI of employees shall be furnished.
- (xxvii) UC is to be submitted as prescribed in GFR.
- (xxviii) If the implementing agency does not use the fund for the purpose for which it was given, it has to refund the same with interest.
- (xxix) There should not be any overlapping of activities under the projects with the activities of ongoing schemes under CSS/CS/State Government Scheme.
- (xxx) The sanction order must mention measurable physical parameters and all measurable parameters are to be adhered to.
- (xxxi) The fixed asset created out of this grant shall not be disposed off without concurrence of this Ministry.
- (xxxii) A separate bank account shall be opened for the purpose and the account shall be open for audit by Central Government or G&AG.
- (xxxiii) All guidelines under the project is to be followed scrupulously.
- (xxxiv) The measurable outcome under the project (quantified) in terms of number of tigers in tiger reserve, eco-tourism in tiger reserve, %age decrease in man-animal conflict etc., may also be submitted in the progress report.

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

5. The payment sanctioned above is provisional and is subject to the adjustment on the basis of the audited figures of expenditure. Other terms and conditions of the payment are as under:

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

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

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

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



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

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

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

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

10. This issues under the powers delegated to the Ministry and with the concurrence of Integrated Finance Division vide Dy. No. 950/AS & FA dated 19.8.2016.

Yours faithfully,



(Sanjay Kumar)

Deputy Inspector General of Forests (PT)

Copy to:-

1. The Secretary (Forests), Govt. of Kerala. A copy of the detailed sanction letter issued by the State Government in respect of this scheme for 2016-17 may kindly be furnished to this Ministry immediately.
2. The Secretary (Finance), Govt. of Kerala.
3. The Principal Chief Conservator of Forests / Chief Wildlife Warden, Govt. of Kerala.
4. The Field Director, Parambikulam Tiger Reserve, Kerala.
5. The Accountant General, Kerala.
6. The Director of Audit, Scientific Department, AGCR Building, IP Estate, New Delhi.
7. The IG, NTCA Regional Office, Bengaluru.
8. Forest Finance Division, MoEF&CC, New Delhi.
9. Plan Finance Division (PF-II), Ministry of Finance, New Delhi.
10. Guard file/Spare copies.



(Sanjay Kumar)

Deputy Inspector General of Forests (PT)

ANNEXURE**PARAMBIKULAM TIGER RESERVE, KERALA
ANNUAL PLAN OF OPERATION FOR THE YEAR 2016-17****(Rs. in lakhs)**

| Sl. No. | Item | Para No. of CSS-PT Guidelines | Para No. of TCP | Rate/Unit | Physical Target | Financial Target | Location | Justification |
|-----------------------------|---|-------------------------------|-----------------|-----------|-----------------|------------------|----------------|--|
| NON-RECURRING (Core) | | | | | | | | |
| 16.1 | Antipoaching Activities | | | | | | | |
| 1 | Purchase of camping gears including Sleeping Bags, Torches, Search lights, Tents, Bags, Rain coats, etc | 16.1 | 7.2.2.1.2 | 0.100 | 10 Nos | 1.000 | Not applicable | PKMTR is having a total 80 field staffs and 75 antipoaching watchers who are regularly doing patrolling, interior camping and combing operations in remote forest area. To facilitate this activity and to ensure effective protection this item is necessary. |
| 16.2 | Strengthening of Infrastructure within Tiger Reserve | | | | | | | |
| 1 | Purchase of wireless sets/walkie talkies/ batteries | 16.2 | 7.2.2.1.11 | 0.150 | 20 Nos. | 3.000 | Not applicable | PKMTR is having established wireless network with 20 base stations and 35 walkie talkies. To strengthen the wireless network, new machines need to be purchased. So this item is necessary. |
| 2 | Purchase of vehicles | 16.2 | 7.2.2.1.10 | 6.000 | 2 Nos. | 12.000 | Not applicable | PKMTR is having 8 vehicles which are being used regularly for protection activities. Two of the existing vehicles purchased during 2006 have been condemned and needs immediate replacement. |
| 16.7 | Research & Field Equipments | | | | | | | |
| 1 | Equipping the staff and watchers with facilities like torches, sleeping bags, tents, Rucksacks, etc. | 16.7 | 7.2.2.1.5 | 0.100 | 10 Nos | 1.000 | Not applicable | PKMTR is having a total 80 field staffs and 75 antipoaching watchers who are regularly doing patrolling, interior camping and combing operations in remote forest area. To facilitate this activity and to ensure effective protection this item is necessary. |
| 2 | Procurement of Binoculars and Digital cameras, etc | 16.7 | 7.2.2.1.5 | 0.150 | 10 Nos. | 1.500 | Not applicable | Sufficient number of Binoculars and cameras are necessary for research and species monitoring including conduct of tiger monitoring exercise as well as for patrolling and protection activities |

| | | | | | | | | |
|------|---|-------|---------|-------|---------|--------|----------------|--|
| 3 | Replacing of existing cameras and conduct of cameratrap exercise | 16.7 | 8.3 | 0.800 | 5 times | 4.000 | Not applicable | Cameratrap exercise is being carried out in Parambikulam every year. At present there are 400 cameras, during the cameratrap exercise, a good number of cameras will be damaged by elephants and other large mammals. In order to replace the damaged and old cameras, this item is necessary. |
| 16.8 | Staff Development and Capacity Building | | | | | | | |
| 1 | Conducting training and capacity building programmes to field staff, watchers and guides including FD office St aff. | 16.8 | 8.4 | 0.250 | 4 Nos | 1.000 | Not applicable | Training and capacity building of field personnel is very much necessary for effective protection. This item is necessary to improve staff capacity on legal aspects, wildlife management, tiger monitoring etc. |
| 2 | Conducting study tours to other Protected Areas for field staff, watchers and guides, including FD office St aff. | 16.8 | 8.4 | 0.250 | 4 Nos. | 1.000 | Not applicable | Exposure visit to other PAs is necessary to learn the good practices in managing the PAs. This item is necessary to organise field trips and exposure tour for the staff at different level. |
| 3 | Conducting workshops/ seminars | 16.8 | 8.4 | 0.250 | 2 Nos. | 0.500 | Not applicable | Parambikulam Tiger Conservation Foundation is playing a lead role in research, extension and training activities by regularly organising seminars and workshops on various aspects of wildlife management. This item is necessary to meet the expenses related to seminars and workshops. |
| 4 | Purchase of books related to management of PAs & Legal issues | 16.8 | 8.4.1.1 | 0.010 | 50 Nos. | 0.500 | Not applicable | This item is necessary to study and incorporate the current trends and recent developments in wildlife management. |
| ### | Provision for the Project Allowance to the staff | | | | | | | |
| 1 | Provision for the Project Allowance to staff of Parambikulam Tiger Reserve and Field Director's Office including arrear payment | 16.15 | 8.4 | LS | LS | 15.000 | Not applicable | This item is necessary to meet the expenditure towards payment of project allowance for the staff including arrears, as per the guidelines of NTCA. |
| ### | Staff Welfare Activities | | | | | | | |

df

| | | | | | | | | |
|----------------------------|---|-------|------------|-------|----------|---------------|----------------|---|
| 1 | Supply of kerosene, medical kit, torch and conducting medical camp to the field staffs and watchers | 16.16 | 7.2.2.1.18 | 0.100 | 10 Nos | 1.000 | Not applicable | This item is necessary for supplying kerosene, medical kit, torch and other survival equipments for the staff and antipoaching watchers who are staying in the interior campsheds. It is also necessary for conducting medical camps for the staff. |
| Total Non Recurring | | | | | | 41.500 | | |
| II | Recurring (Core) | | | | | | | |
| 16.1 | Antipoaching Activities | | | | | | | |
| 1 | Conducting Road patrol | 16.1 | 7.2.1.1 | 0.005 | 400 MM | 2.000 | PKMTR | PKMTR is having about 195 Kms of motraable road network. Regular patrolling along this road is very much necessary for effective protection, monitoring and any other illegal activities. So this item is highly essential. |
| 2 | Engaging antipoaching watchers | 16.1 | 7.2.2.1.2 | PKMTR | 22000 mm | 110.000 | PKMTR | PKMTR is having a total of 75 antipoaching watchers who are posted in 25 antipoaching campsheds they are regularly doing patrolling, interior camping and combing operations in remote forest area. This item is necessary to meet the expenditure towards payment of wages to the antipoaching watchers. The rate provided is as per the prevailant wage rate in Kerala as per the GO (MS) No. 58/2011/LBR, dated 26.04.2011 |
| 3 | Engaging watchers for monsoon patrolling | 16.1 | 7.2.2.1.2 | 0.005 | 3900 mm | 19.500 | PKMTR | Additional watchers are necessary to conduct patrolling during monsoon period. Every year 40 watchers will be additionally engaged for a period of 3 months for conducting combing operations in remote forest area. This item is necessary to meet out the expenditure towards payment of wages to the monsoon watchers. The rate provided is as per the prevailant wage rate in Kerala as per the GO (MS) No. 58/2011/LBR, dated 26.04.2011 |

| | | | | | | | | |
|---|--|------|-----------|--------|---------|--------|---|--|
| 4 | Maintenance of antipoaching camp sheds | 16.1 | 7.2.2.1.2 | 1.500 | 12 Nos. | 18.000 | Muthuvarachal (10.389 97; 76.62047), Thellikkal HQ (10.45033; 76.74083), Bhagappallam outpost (10.46672; 76.7173), Kothala CS (10.40747;76.7 2253), Malikakootali (10.40108;76.7 2333), Kottayali (10.37658;76.6 9047), Medamchal (10.38297;76.6 6558), Pooppara (10.36951;76.8 136), Vengoli mala (10.42077; 76.80625), Kallippara(WT) (10.4037; 76.80625), Parambiyar (10.4078; 76.72397), Anappady section (10.4813; 76.79498), Thunakadavu (10.43417; 76.78197), | The antipoaching campsheds require regular maintenance and renovation works like painting, plumbing, flooring, roof repair, supply of furnitures and utensils for the camp etc. A lumpsum amout of Rs. 1.50 Lakhs is provided for each campsheds to meet out the above mentioned expenditure. The repair and maintenance work will be carried out as per the estimate prepared using CPWD rates. |
| 5 | Providing ration to frontline staff staying in the interior campsheds @860/ person | 16.1 | 7.2.2.1.2 | 0.0084 | 930 MM | 7.840 | PKMTR | This item is necessary to meet the expenditure towards the supply of food provision for the field staff working in the Reserve as per the ncta guidelines. |
| 6 | Uniform to the protection mazdoors (Social Tiger Protection Force) | 16.1 | 7.2.2.1.6 | 0.020 | 150Nos | 3.000 | PKMTR | The Tiger Reserve engages 75 antipoaching watchers. To maintain the uniformity in the dress code and to identify themselves as members of protection team, every year 2 sets of uniform will be provided to them. This item is necessary to meet the expenditure towards supply of uniform. |
| 7 | Conducting Inter Division/ Inter St ate joint Camps and patrolling | 16.1 | 7.2.2.1.7 | 0.140 | 7 Nos | 1.000 | Kavala, (76.53401,10.3 8478) Kunjiyarpthy (10.444, 76.5800), Koochimudi (10.52261, 76.83781) | Parambikulam Tiger Reserve shares boundary with Anamalai TR in Tamil Nadu and other Territorial Divisions in Kerala. Regular joint patrolling and camping is organised for effective protection along the boundaries. The item is necessary for the procurement of food and medicine while organising joint |

[Handwritten signature]

| | | | | | | | | |
|-------------|---|------|------------|--------|--------|--------|--|--|
| | | | | | | | | patrolling. |
| 8 | Reward to informers | 16.1 | 7.2.2.1.13 | LS | LS | 0.300 | Not applicable | To ensure effective intelligence gathering and for investigation of Offences |
| 9 | Repair of arms and purchase of ammunitions | 16.1 | 7.2.2.1.12 | LS | LS | 1.000 | Not applicable | This item is necessary for regular maintenance and repair of arms used in PKMTR, as a part of Protection activities. |
| 16.2 | Strengthening of Infrastructure within Tiger Reserves | | | | | | | |
| 1 | Maintenance and improvement of Staff Quarters, office buildings including Field Director's Office | 16.2 | 7.2.2.1.1 | 1.000 | 10 Nos | 10.000 | Anappady (10.4813, 76.79498), Thunakadavu (10.43417, 76.78197) and Parambikulam (10 20' & 10 26'; 76 35' 76 50') | The staff quarters and office buildings require regular maintenance and renovation works like painting, plumbing, flooring, roof repair, supply of furnitures etc. A lumpsum amount of Rs. 1.00 Lakh per building is earmarked to meet such expenses. The repair and maintenance work will be carried out as per the estimate prepared using existing CPWD rates. |
| 2 | Construction of Campshed at Chandhanathode | 16.2 | 7.2.2.1.8 | 20.000 | 1 No. | 20.000 | Sholayar (76.66661, 10.3 0432) | It is new campshed proposed in the newly added core area of Vazhachal Division. This campshed is necessary for strengthening protection in Sholayar area. The work will be carried out as per the estimate prepared using existing CPWD rates. |
| 3 | Renovation of Anappady Checkpost | 16.2 | 7.2.2.1.8 | 5.000 | 1 No. | 5.000 | Anappady CP (10.45394, 76.82830) | The Anappady Checkpost is at the entrance of the Reserve. The existing space is not sufficient to handle large number of visitors at the Checkpost. Hence it is proposed to renovate the existing Checkpost to provide more facilities for better management of the visitors. The work will be carried out as per the estimate prepared using existing CPWD rates. |

| | | | | | | | | |
|---|--|------|------------|--------|---------|--------|-------------------------------------|--|
| 4 | Construction of Campshed at Peruvuri | 16.2 | 7.2.2.1.8 | 15.000 | 1 No. | 15.000 | Peruvuri (10.47122, 76.77169) | The existing Peruvuri Campshed is a semi permanent structure established during 2006 and is damaged. It is proposed to construct a new building in the existing site. This campshed is necessary for strengthening protection activities, The work will be carried out as per the estimate prepared using existing CPWD rates. |
| 5 | Construction of Campshed at Vengoli | 16.2 | 7.2.2.1.8 | 15.000 | 1 No. | 15.000 | Vengoli (10.42076, 76.80625) | The existing Vengoli Campshed is a semi permanent structure established during 2006 and is damaged. It is proposed to construct a new building in the existing site. This campshed is necessary for strengthening protection activities, The work will be carried out as per the estimate prepared using existing CPWD rates. |
| 6 | Maintenance and improvement of Wireless Sets, Walkie Talkies including wages to the Wireless attenders | 16.2 | 7.2.2.1.11 | 0.200 | 20 Nos | 4.000 | PKMTR | PKMTR is having established wireless network with 20 base stations and 35 walkie talkies. This is essential to strengthen the wireless network, peripherals such as batteries, solar panel, charger needs replacement with new one. |
| 7 | Fuel and Repair & maintenance of Vehicles of Range Officers, Deputy Director and Field Director including Wages to the Drivers | 16.2 | 7.2.2.1.10 | 3.125 | 8 Nos | 25.000 | PKMTR | PKMTR is having 8 vehicles used regularly for protection activities. Daily wages drivers are being engaged in the vehicles, as there is only one permanent driver. This item is necessary to meet the expenditure towards fuel charges, wages of Drivers and maintenance charges of the vehicles. |
| 8 | Engaging field protection watchers for Tiger Monitoring | 16.2 | 8.3 | 0.005 | 3000 mm | 15.000 | PKMTR | Tiger Monitoring including cameratrap exercise is being carried out by the PKMTR independantly by involving the watchers specially trained for this purpose. At present there are 10 Tiger monitoring watchers to carry out cameratrap exercise and monitoring of PIPs. This item is necessary to meet the wages of the Tiger monitoring watchers. The rate provided is as per the prevailant wage rate in Kerala as per the GO (MS) No. 58/ 2011/ LBR, dated 26.04.2011 |



| | | | | | | | | |
|----|--|------|-----------|-------------------------|--------|--------|--|---|
| 9 | Maintenance of Coupe Roads | 16.2 | 7.2.2.1.9 | 0.160 | 65 Km | 10.000 | PKMTR (10 20' & 10 26'; 76 35' 76 50') | PKMTR is having about 195 Kms of motorable road network. Because of very high rainfall in this area, the roads get damaged very frequently. So this item is necessary for regular maintenance works like establishment of side drains, construction of cross drainage structures, retaining wall, embankments and filling of pot holes to maintain the good condition of the road. Depending upon the condition, as the road require varied kinds of works, a lumpsum rate of Rs. 0.16 Lakhs/ Km is provided. |
| 10 | Maintenance of Trekpaths | 16.2 | 7.2.2.1.9 | 0.800 | 150 Km | 12.000 | PKMTR (10 20' & 10 26'; 76 35' 76 50') | PKMTR is having about 250 Kms of trekpath to reach the areas that are not accessible by roads. So this item is necessary for regular maintenance of the trekpaths by carrying out clearing of vegetation and sectioning along the trekpath. The rates provided for clearing the vegetation is as per the Schedule of Rates for Forestry works in Kerala St ate as per GO (RT) No. 193/ 63/ Agri, dated 08.07.1963. Sect ioning rate is as per the CPWD rates. |
| 11 | Treatment of sick, injured animals & postmortem and disposal | 16.2 | 12.4 | LS | LS | 1.000 | PKMTR | This item is necessary for procurement of medicines and other equipments needed for rescue and treatment of sick/ injured animals and also for conducting postmortem of dead animals. |
| 12 | Renovation and maintenance of Deep freezer room | 16.2 | 12.6 | 5.000 age 6 of 15 | 1 No. | 3.000 | Anappady (10.4813, 76.79498) | The existing deep freezer room for preserving the carcass of Tiger or Leopard, is in a very bad condition and needs urgent renovation works. The work will be carried out as per the estimate prepared using existing CPWD rates. |

| | | | | | | | | |
|-------------|---|------|-----------|--------|--------|--------|---|--|
| 13 | Maintenance of Causeways, bridges, retaining walls and culverts | 16.2 | 7.2.2.1.6 | 1.000 | 5 Nos. | 5.000 | Amakundu (76.79093; 10.47613), Anakkal Vayal (76.74775, 10.41852), Kudalvayithod (76.62295, 10.38378) | PKMTR is having a number of small streams and rivulets which needs to be negotiated through culverts, bridges and other cross drainage structures. This item is necessary to renovate the existing culverts and bridges in different locations. The work will be carried out as per the estimate prepared using existing CPWD rates. |
| 14 | Construction of Bridge across Parambiar River | 16.2 | 7.2.2.1.6 | 20.000 | 1 Nos. | 20.000 | Parambiar (76.73089, 10.40219) | This bridge is necessary for connecting the Parambiar and Kothala campsheds with Karimala Range during rainy season. Without this bridge, one has to travel about 50 Kms from Parambiar campshed to reach Kothala Campshed. The work will be carried out as per the estimate prepared using existing CPWD rates. |
| 16.3 | Habitat improvement and water development | | | | | | | |
| 1 | Prescribed burning | 16.3 | 7.2.2.2.4 | 0.009 | 56 Ha | 0.500 | Pandaravarai (76.82498, 10.49500) | Pandaravarai is a high elevation grass land in Parambikulam. For the past many years, no fire incidents are recorded in these area and as a result, invasive species like lantana are invading to the grass land. This item is necessary to take up experimental plots to carry out control burning of the grassy patches to sustain the grass lands. The rate provided is as per the Schedule of Rates for Forestry works in Kerala State as per GO (RT) No. 193/ 63/ Agri, dated 08.07.1963. |
| 2 | Creation and maintenance of Firelines | 16.2 | 7.2.2.2.3 | 0.100 | 150 Km | 15.000 | PKMTR (10 20' & 10 26'; 76 35' 76 50') | Firelines are necessary to curtail spreading of fire, in case of any fire incidents. The firelines will be created on either side of the roads, around human habitations and other fire prone areas. In this area vegetation will be removed and fire tracing will be done by burning the vegetation. The rate provided is as per the Schedule of Rates for Forestry works in Kerala State as per GO (RT) No. 193/ 63/ Agri, dated 08.07.1963. |

| | | | | | | | | |
|---|---|------|------------|-------|----------|--------|--|--|
| 3 | Engaging Fire Protection Watchers | 16.2 | 7.2.2.2.12 | 0.005 | 4000 MM | 20.000 | PKMTR | Additional watchers are necessary to conduct fire protection activities during summer period. Every year 40 watchers will be additionally engaged for a period of 3 months for detection and controlling of wild fires. This item is necessary to meet out the expenditure towards payment of wages to the fire protection watchers. The rate provided is as per the prevalent wage rate in Kerala as per the GO (MS) No. 58/2011/LBR, dated 26.04.2011 |
| 4 | Habitat improvement - Maintenance of Vayals | 16.3 | 7.2.2.3.3 | 0.100 | 350 Ha | 35.000 | PKMTR (10 20' & 10 26'; 76 35' 76 50') | Vayals are the marshy grass lands which act as main foraging grounds for the herbivores. There are 103 vayals covering approx. 350 Ha, which are regularly maintained. The vayals are infested with invasive species like <i>Rhynchospora sp.</i> , <i>Eupatorium etc.</i> which inhibits the growth of palatable grasses. Hence it is necessary to do regular weeding in these vayals to prevent invasion of woody and unpalatable species of plants. The rate provided is as per the Schedule of Rates for Forestry works in Kerala State as per G (RT) No. 193/63/Agri, dated 08.07.1963. |
| 5 | Habitat improvement - Uprooting of Lantana and Eupatorium | 16.3 | 7.2.2.3.4 | 0.100 | 50 Ha | 5.000 | PKMTR (10 20' & 10 26'; 76 35' 76 50') | This item is necessary to remove the invasive species like Lantana and Eupatorium which are present in very high density in few pockets of the reserve. The removal will help in preventing the spreading of these species on to large extent of forests. The rate provided is as per the Schedule of Rates for Forestry works in Kerala State as per GO (RT) No. 193/63/Agri, dated 08.07.1963. |
| 6 | Weed removal through Eco restoration Camp | 16.3 | 7.2.2.3.4 | 0.100 | 10 Camps | 1.000 | PKMTR (10 20' & 10 26'; 76 35' 76 50') Anappady (10.4813, 76.79498) | Eco restoration camps are conducted to educate students and eco clubs to sensitise and involve them in voluntary biodiversity conservation and eco-restoration activities. |

| | | | | | | | | |
|-----|--|-------|-------------|----------------------|---------|--------|--|---|
| 7 | Vista Clearance | 16.3 | 7.2.2.1.9 | 0.032 | 315 Ha | 10.000 | PKMTR (10 20' & 10 26'; 76 35' 76 50') | Vista or view line clearance is carried out every year on either side of the roads in the tourism and ecodevelopment zones. The vegetation on either side is removed by knife weeding to prevent accidental encounter with wild animals that may lead to human death and injuries. The rate provided is as per the Schedule of Rates for Forestry works in Kerala State as per GO (RT) No. 193/ 63/ Agri, dated 08.07.1963. |
| 8 | Improvement and maintenance of Checkdams and other harvesting structures | 16.3 | 7.2.2.3.2 | 0.500 | 10 Nos. | 5.000 | PKMTR (10 20' & 10 26'; 76 35' 76 50') | To ensure the availability of water during pinch period |
| ### | Fostering Ecotourism in Tiger Reserves | | | | | | | |
| 1 | Improvement of Hornbill Dormitory | 16.17 | 1 4.2.1.3.3 | 5.000 age 8 of 15 | 1 no | 5.000 | Anappady (10.4813, 76.79498) | Every year 60 nature awareness camps will be conducted in PKM. The dormitory is provided for accommodation for the school students attending nature camp. To improve camping facilities for students attending Nature Camp. |
| 2 | Improvement of Salim Ali Centre, Kuriarkutty | 16.17 | 14.2.1.3.3 | 1.000 | 1 no | 1.000 | Kuriarkutty (76.72032,10.4 0889) | To improve the facilities for students attending Nature Camp |
| 3 | Improvement of Cafeteria near Anappady Information Centre | 16.17 | 14.2.1.3.3 | 1.000 | 1 no | 1.000 | Anappady (10.4813, 76.79498) | To improve facilities for visitors |
| 16 | Addressing Man-Animal Conflict | | | | | | | |
| 1 | Construction and maintenance of Elephant Proof Trench | 16.4 | 10.2 | 7.500 | 1 Km | 7.500 | Padukutty CS (10.43591; 76.58852); Kavala CS, (76.53401,10.3 8478) | There are 25 campsheds and 6 tribal hamlets in PKMTR. Elephant proof trenches are necessary to protect these campsheds and tribal hamlets from the wild elephants. It is proposed to excavate new trench around Padukutty Campshed and repair and deepen the existing trenches in Kavala CS, Meenchirali CS and Kuriarkutty colony. |
| 2 | Stabilisation of EPT by stone pitching | 16.4 | 10.2 | 7.000 | 1 Km | 7.000 | Kadas Tribal Colony (76.77882,10.3 9102) | To protect the Elephant proof trench from soil erosion, it is necessary to strengthen by stone pitching along the inner and outer wall of the trench. |

| 16.7 | Research & Field Equipments | | | | | | | |
|-------------------------------|--|------|-----------|--------|---------|---------------|--|--|
| 1 | Maintenance of PIPs | 16.7 | 9.2 | 0.025 | 20 Nos. | 0.500 | PKMTR | As part of Tiger Monitoring, it is necessary to maintain Pressure Impression Pads in different parts of the Tiger Reserve. This item is necessary to meet out the expenses of maintaining these PIPs |
| | Total Recurring | | | | | 436.14 | | |
| | Grand Total - Core | | | | | 477.64 | | |
| NON-RECURRING (Buffer) | | | | | | | | |
| 16.1 | Antipoaching Activities | | | | | | | |
| 1 | Purchase of camping gears including Sleeping Bags, Torches, Sear ch lights, Tents, Bags, Rain coats, etc | 16.1 | 7.2.2.1.2 | 0.100 | 10 Nos. | 1.000 | Not applicable | PKMTR is having a total 80 field staffs and 75 antipoaching watchers who are regularly doing patrolling, interior camping and combing operations in remote forest area. To facilitate this activity and to ensure effective protection this item is necessary. |
| 16.2 | Strengthening of Infrastructure within Tiger Reserve | | | | | | | |
| 1 | Renovation of line Quarters Block I for staff | 16.2 | 7.2.2.1.1 | 10.000 | 1 No. | 10.000 | Parambikulam (76.77705,10.3 9300) | There are 5 staff qts each in block 1 which needs to renovated for improving accomodation facilities for staff. To provide accomodation for the office staff this item is necessary |
| 2 | Renovation of line Quarters Block II for staff | 16.2 | 7.2.2.1.1 | 10.000 | 1 No. | 10.000 | Parambikulam (76.77705,10.3 9300) | There are 5 staff qts each in block 1 which needs to renovated for improving accomodation facilities for staff. To provide accomodation for the office staff this item is necessary |
| 16.5 | Co-existence agendas in buffer / fringe areas (Ecodevelopment) | | | | | | | |
| 1 | Revival of Self help groups in different EDCs in Buffer areas | 16.5 | 8.2 | 0.500 | 4 Nos | 2.000 | Sungam (76.78890,10.4 5008), kuriyarkutty (10.24710, 76.43033), Kadas (10.23581, 76.46730) Earthdam (76.76509,10.3 7136) | To provide alternate livelihood opportunities. And to reduce the dependency of forest area. The existing women self help group in 4 tribal hamlets needs to be activated by providing facilities. |

| | | | | | | | | |
|-----------|---|-------|------------|-------|--------|---------------|--|--|
| 2 | Providing Livelihood measures by Implementation of microplan in all the Tribal EDCs | 16.5 | 8.2 | 1.000 | 6 Nos | 6.000 | Sungam (76.78890,10.4 5008), Kuriyarkutty (10.24710, 76.43033), Kadas (10.23581, 76.46730) Earthdam (76.76509,10.3 7136), Anjam Colony (76.76497,10.3 9238), Pooppara (76.81510,10.3 5600) | For the implementation of activities provided in approved micro plans of Buffer EDCs |
| 16.8 | Staff Development and Capacity Building | | | | | | | |
| 1 | Conducting study tours to other Protected Areas for field staffs, watchers and guides, including FD office Staffs | 16.8 | 8.4 | 0.250 | 2 Nos. | 0.500 | PKMTR | Exposure visit to other PAs is necessary to learn the good practices in managing the PAs. This item is necessary to organise field trips and exposure tour for the staff at different level. |
| ### | Provision for the Project Allowance to the staff | | | | | | | |
| 1 | Provision for the Project Allowance to staff of Parambikulam Tiger Reserve and Field Directors Office including arrear payment | 16.15 | 8.4 | LS | LS | 15.000 | PKMTR | This item is necessary to meet the expenditure towards payment of project allowance for the staff including arrears, as per the guidelines of NTCA. |
| ### | Fostering Ecotourism in Tiger Reserves | | | | | | | |
| 1 | Improvement Ecotourism programmes including providing solar lighting, solar heater and other eco friendly measures to various ecotourism packages | 16.17 | 14.2.1.3.1 | LS | LS | 3.000 | Parambikulam (76.77705,10.3 9300), Anappady (10.4813, 76.79498) | To provide facilities for the tourists and to reduce Carbon foot print by using non conventional energy sources |
| 2 | Establishment of scientific waste management system | 16.17 | 14.13 | 2.500 | 1 No. | 2.500 | Tourism zone | To reduce negative impacts of Ecotourism activities and to scientifically dispose the wastes |
| 3 | Setting up of water purification unit at Anappady | 16.17 | 14.2.1.3.3 | 1.000 | 1 No | 1.000 | Anappady (10.4813, 76.79498) | To provide better facilities for the visitors and also to mitigate the negative impacts of providing pet water bottles. |
| 4 | Renovation of Nature Study Hall including of replacement of old furnitures | 16.17 | 14.2.1.3.3 | 2.500 | 1 No | 2.500 | Anappady (10.4813, 76.79498) | To conduct classes for nature camp, training programme, seminar etc as part of awareness and capacity building programmes |
| 5 | Expansion of Nature Interpretation Centre | 16.17 | 14.2.1.3.3 | 2.000 | 1 No. | 2.000 | Anappady (10.4813, 76.79498) | To improve nature interpretation facilities as part of awareness and capacity building programmes |
| | Total Non Recurring | | | | | 55.500 | | |
| II | Recurring (Buffer) | | | | | | | |

| | | | | | | | | |
|-------------|---|------|-----------|-------|---------|--------|--|--|
| 16.1 | Antipoaching Activities | | | | | | | |
| 1 | Engaging watchers for monsoon patrolling | 16.1 | 7.2.2.1.2 | 0.005 | 1000 mm | 5.000 | PKMTR | To strengthen antipoaching activities during monsoon period |
| 2 | Maintenance of antipoaching camp sheds | 16.1 | 7.2.2.1.2 | 1.000 | 5 Nos. | 5.000 | PKMTR | The antipoaching campsheds require regular maintenance and renovation works like painting, plumbing, flooring, roof repair, supply of furnitures and utensils for the camp etc. A lumpsum amount of Rs. 1.50 Lakhs is provided for each campshed to meet out the above mentioned expenditure. The repair and maintenance work will be carried out as per the estimate prepared using CPWD rates. |
| 3 | Uniform to the protection mazdoors (Social Tiger Protection Force) | 16.1 | 7.2.2.1.6 | 0.020 | 50 Nos. | 1.000 | PKMTR | The Tiger Reserve engages 75 antipoaching watchers. To maintain the uniformity in the dress code and to identify themselves as members of protection team, every year 2 sets of uniform will be provided to them. This item is necessary to meet the expenditure towards supply of uniform. |
| 4 | Conducting Inter Division/ Inter State joint Camps and patrolling | 16.1 | 7.2.2.1.7 | 0.100 | 10 Nos. | 1.000 | PKMTR | Parambikulam Tiger Reserve shares boundary with Anamalai TR in Tamil Nadu and other Territorial Divisions in Kerala. Regular joint patrolling and camping is organised for effective protection along the boundaries. The item is necessary for the procurement of food and medicine while organising joint patrolling. |
| 16.2 | Strengthening of Infrastructure within Tiger Reserves | | | | | | | |
| 1 | Maintenance and improvement of Staff Quarters, office buildings including Field Director's Office | 16.2 | 7.2.2.1.1 | 1.000 | 10 Nos. | 10.000 | PKMTR (10 20' & 10 26'; 76 35' 76 50') | The staff quarters and office buildings require regular maintenance and renovation works like painting, plumbing, flooring, roof repair, supply of furnitures etc. A lumpsum amount of Rs. 1.00 Lakh per building is earmarked to meet such expenses. The repair and maintenance work will be carried out as per the estimate prepared using existing CPWD rates. |

| | | | | | | | | |
|---|---|------|------------|-------|---------|--------|--|--|
| 2 | Fuel and Repair & maintenance of Departmental Boats including wages to boatman | 16.2 | 7.2.2.1.10 | 1.666 | 3 Nos. | 5.000 | Not applicable | PKMTR is having 3 boats used regularly for protection activities. Daily wages drivers are being engaged in the boats. This item is necessary to meet the expenditure towards fuel charges, wages of Drivers and maintenance charges of the boats |
| 3 | Maintenance & Improvement of Inspection Bungalows, Dormitory, Tree top huts including wages to the attenders | 16.2 | 7.2.2.1.1 | 1.000 | 7 Nos. | 7.000 | PKMTR (10 20' & 10 26'; 76 35' 76 50') | For maintenance of official accommodation & inspection bungalow and dormitories |
| 4 | Preparation of Tiger Conservation Plan and Engaging Assistant for data compilation in Field Directors office | 16.2 | 8.3 | 2.000 | 1 No. | 2.000 | Not applicable | For Data Compilation as part of preparation of TCP for adjoining areas |
| 5 | Maintenance of patrolling roads/ routes | 16.2 | 7.2.2.1.9 | 0.160 | 62.5 Km | 10.000 | PKMTR (10 20' & 10 26'; 76 35' 76 50') | PKMTR is having about 195 Kms of motraable road network. Regular patrolling along this road is very much necessary for effective protection, monitoring and any other illegal activities. So this item is highly essential. |
| 6 | Annual maintenance of computers and peripherels, Photocopiers, Fax machines, LCD Projectors, consumables ,stationeries and other office expenses for Deputy Director & Field Director offices | 16.2 | 7.2.2.1.1 | LS | LS | 2.500 | Not applicable | For effective and smoothy functioning of DDs & FDs office |
| 7 | Payment of building tax, telephone, mobile, electricity, water charges and TA bills including Field Director office | 16.2 | 7.2.2.1.10 | LS | LS | 3.000 | Not applicable | To maintaining the functions of DD & FD office |
| 8 | Creation and maintenance of Firelines | 16.2 | 7.2.2.2.3 | 0.100 | 75 Km | 7.500 | PKMTR (10 20' & 10 26'; 76 35' 76 50') | Firelines are necessary to curtail spreading of fire, in case of any fire incidents . The firelines will be created on either side of the roads, around human habitations and other fire prone areas. In this area vegetation will be removed and fire tracing will be done by burning the vegetation. The rate provided is as per the Schedule of Rates for Forestry works in Kerala St ate as per GO (RT) No. 193/ 63/ Agri, dated 08.07.1963. |

| | | | | | | | | |
|-------------|---|------|-------------|-------|---------|----------------|--|---|
| 9 | Engaging Fire Protection Watchers | 16.2 | 7.2.2.2.12 | 0.005 | 1500 mm | 7.500 | PKMTR | Additional watchers are necessary to conduct fire protection activities during summer period. Every year 40 watchers will be additionally engaged for a period of 3 months for detection and controlling of wild fires. This item is necessary to meet out the expenditure towards payment of wages to the fire protection watchers. The rate provided is as per the prevalent wage rate in Kerala as per the GO (MS) No. 58/2011/LBR, dated 26.04.2011 |
| 16.3 | Habitat improvement and water development | | | | | | | |
| 1 | Vista Clearance | 16.3 | 7.2.2.1.9 | 0.080 | 75 Ha | 6.000 | PKMTR (10 20' & 10 26'; 76 35' 76 50') | Vista or view line clearance is carried out every year on either side of the roads in the tourism and ecodevelopment zones. The vegetation on either side is removed by knife weeding to prevent accidental encounter with wild animals that may lead to human death and injuries. The rate provided is as per the Schedule of Rates for Forestry works in Kerala State as per GO (RT) No. 193/63/Agri, dated 08.07.1963. |
| 2 | Improvement and maintenance of Checkdams and other water harvesting structures | 16.3 | 7.2.2.3.1.3 | 0.500 | 4 Nos. | 2.000 | PKMTR (10 20' & 10 26'; 76 35' 76 50') | To ensure the availability of water during pinch period |
| 3 | Conducting Fire Awareness Campaign, printing of brochures, posters, T-shirts and wall writing etc. | 16.3 | 14.4.4.3 | 0.050 | 20 Nos. | 1.000 | Not applicable | For supporting fire awareness programmes |
| 4 | Procuring education material, signages, display boards and Publication of folders and posters, brochures, Newsletter etc. | 16.3 | 14.4.4.3 | LS | LS | 2.000 | Not applicable | Supply of publicity materials for Conservation awareness |
| 5 | Celebration of Wildlife week and other important days | 16.3 | 14.4.3 | LS | LS | 1.000 | Not applicable | For the celebration of Wildlife week and creation of mass awareness among the public |
| | Total Recurring | | | | | 78.500 | | |
| | Grand Total - Buffer | | | | | 134.000 | | |
| | Grand Total (Core + Buffer) | | | | | 611.64 | | |

| | | |
|---|------------------|---------|
| FF on Centre's share | $C=B/9$ | 35.057 |
| Centre's share including FF | $D=B+C$ | 350.577 |
| 1 st release @ 80% of Centre's share | $E=0.8*D$ | 280.462 |
| Less: Unspent balance FY 15-16 including amount to be adjusted due to revised funding pattern | F | Nil |
| Adjusted 1 st release including FF | $G=E-F$ | 280.462 |
| 2 nd release @ 20% of Centre's share | $I=0.2*D$ | 70.115 |
| Total release towards APO in FY 16-17 | $J=(9/10)*(G+I)$ | 315.52 |
| Total release towards FF in FY 16-17 | $K=(1/10)*(G+I)$ | 35.057 |
| Grand total release in FY 16-17 | $L=G+I$ | 350.577 |
| Total effective release including USB | $L+F$ | 350.577 |
| Effective release for APO activities | $J+0.9*F$ | 315.52 |
| Effective release for FFs | $K+0.1*F$ | 35.057 |

*** Ecodevelopment initiatives should be based on normative guidelines of the National Tiger Conservation Authority, Ministry of Environment, Forest and Climate Change, Govt. of India issued earlier based on village level, site specific, participatory micro plan with reciprocal commitment between the tiger reserve and the local people.**

