

No. 4-1(10)/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 Melghat Tiger Reserve, Maharashtra 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 Melghat Tiger Reserve, Maharashtra at the cost of **Rs. 1271.806 Lakhs (Rupees One thousand Two hundred Seventy One Lakhs Eighty thousand Six hundred only)** as per details given in the annexure. Of the total cost of the scheme, Rs. 502.349 lakhs being the recurring cost of the scheme will be shared on 50:50 basis by the **Government of India** and the **Government of Maharashtra**. 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 Maharashtra.

2. I am also directed to convey the sanction of the President to the payment and release of an amount of **Rs. 564.324 lakhs (Rupees Five hundred Sixty Four Lakhs Thirty Two thousand Four hundred only)** (after adjustment of unspent amount of Rs. 1.49 Lakhs of previous financial year 2015-16) including of 10% flexi-fund to the State Government towards the Grants-in-aid to Government of Maharashtra 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 **Melghat 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 Maharashtra** 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 **Melghat 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 Maharashtra in respect of **Melghat Tiger Reserve** may furnish their performance-cum-achievement report alongwith Utilisation Certificate in prescribed format on or before 31.3.2017.
 - (x) **Melghat 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 Maharashtra** 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 Maharashtra** to the **Govt. of India**.
 - (xiii) Government of Maharashtra in respect of **Melghat 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 **Melghat 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 (Melghat Tiger Reserve) and **Government of Maharashtra**.
 - (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 Maharashtra 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 Maharashtra 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. 945/AS & FA dated 17.8.2016.

Yours faithfully,


(Sanjay Kumar)

Deputy Inspector General of Forests (PT)

Copy to:-

1. The Secretary (Forests), Govt. of Maharashtra. 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 Maharashtra.
3. The Principal Chief Conservator of Forests / Chief Wildlife Warden, Govt. of Maharashtra.
4. The Field Director, Melghat Tiger Reserve, Maharashtra.
5. The Accountant General, Maharashtra.
6. The Director of Audit, Scientific Department, AGCR Building, IP Estate, New Delhi.
7. The IG, NTCA Regional Office, Nagpur.
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

**MELGHAT TIGER RESERVE, MAHARASHTRA
ANNUAL PLAN OF OPERATION FOR THE YEAR 2016-17**

(Rs. in lakhs)

Sr. No	Activity	Item	Para No. CSS PT Guidelines	Amount released PFY	Current Financial Year				GPS	Justification
					No. of Items (Physical Target)	Specification / Description	Unit Price (Rs.)	Total (Financial Target)		
1	Addressing man animal conflict	Deployment traps, cages to catch problematic animals.	16.4.4	0	3	Deployment traps cages to catch problematic animals. in Melghat Tiger Reserve	0.33	0.99		Safeguarding the lives of strayed wild animals and reducing threats to human lives. 33,000/- each division required for transport of cages/traps during man-animal conflict situations.
2	Addressing man animal conflict	Payment of compensation for cattle lifting, death of human beings and crop predation* due to wild animals.	16.4.1	0	300	Payment of compensation for cattle lifting, death of human beings and crop predation* due to wild animals. in Melghat Tiger Reserve	0.033	9.900		Exgratia relief payment is one of the effective measures to reduce man-wildlife conflict. Provision is made for compensation in Cattle Kills, Crop depadatiomn & human deaths considering 100 incidences per year in each Wild Life Division.
3	Tiger Safari	Establishment of Tiger Safari, interpretation and awareness centers under the existing component of co-occurrence agenda in buffer and fringe areas	16.22.1	0	1	1)Establishment of information centr at Chikhaldara in Melghat Tiger Reserve.	20.00	20.00	Gugamal- N210 23' 56.05" E 770 18' 55.34"	Chikhaldara is an important hill station in Vidarbha with a high tourist influx. It lies in the vicinity of Melghat Tiger reserve and hence the interpretation centre will be helpfull in promoting wildlife conservation awareness and eco-tourism. So a new NIC is proposed @ Chikhaldara. There are 04 existing NIC'S at Semadoh, Harisal, Shanoor, Wan. All these need to be refurbished & upgraded.
4	Mainstreaming wildlife concerns	Anti-poaching operations.	16.10.4	0	3	Anti-poaching operations in Melghat Tiger Reserve	0.66	1.98		Melghat shares interstate boundary with Madhya Pradesh with many footpaths serving as linkages though the hills. Regular anti poaching oprations are necessary for preventing any poaching incidences. A provision of Rs. 66,000/- each division is made to make transport and ancillary arrangements during the anti poaching oprations (including incidental labour charges)

5	Mainstreaming wildlife concerns	Redressing man-animal conflict.	16.10.1	0	3	Redressing man-animal conflict in Melghat Tiger Reserve	0.33	0.99		Melghat Tiger Reserve has a huge buffer with many villages falling within it. Conflicts with wild animals such as wild boars, bears etc. are commonly noticed. provision of Rs. 33,000/- each division is made for meeting incidental/emergency expenditure during in a conflict situation
6	Staff Development	Specialized training in management planning.	16.8.8	0	2	Specialized training in management planning.	0.225	0.45		The concept of Eco Development and participatory conservation needs to be properly explained to the staff. especially in preparation of Microplan for VEDC'S. Provision of two training
7	Staff Development	Specialized training in park interpretation.	16.8.7	0	3	Specialized training in park interpretation. in Melghat Tiger Reserve	0.15	0.45		Efficient park interpretation is a prime factor for conservation awareness, eco-tourism, participatory conservation and Eco-development activity and needs to be attended to. Melghat has 5 NIC'S at Semadoh, Harisal, Sahnor, Wan, Chikhaldara (proposed) It is necessary to impart Specialized Training to the staff deployed at these each NIC'S
8	Staff Development	Specialized training in the use of Global Information System (GIS), anti-poaching operations.	16.8.3	0	3	Specialized training in the use of Geographic Information System (GIS), anti-poaching operations in Melghat Tiger Reserve	0.15	0.45		The field staff has to be made conversant with GIS for monitoring the field movements. Required for relating to Data base with Geographical Situation for appropriate management decisions. One training in each wildlife division
9	Staff welfare	Supply of mosquito net/ field kit	16.16.5	0	200	Supply of mosquito net to staff at protection hut 85 P.C. in Melghat Tiger Reserve	0.005	1.00		Availability of mosquito nets for staff and labourers in the protection camps is essential for preventing mosquitoes bited diseases like malaria, chicken gunya, Dengue.
10	Eco-Development	To carry out prophylactic immunization of cattle in and around Tiger Reserve.	4.5.1	0	500	To carry out prophylactic immunization of cattle in Villages in and around Melghat Tiger Reserve.	0.002	1.00		Essential for reducing the spread of diseases and mortality in wild life coming in contact with domestic cattle.
11	Anti-Poaching	Establishing patrolling camps/chowkis/staff quarters etc.	16.1.3	0	5	Construction of 4 New Protection camp (Talai Raipur Range and Kodoballa Hatru Range) (Kopiam Dhargad Range and Nagartas War Range), Construction of 1 Type III quarter for RFO Chaurakund	8.8	44.00	Sipna- N 21 35 21.9 E 077 18 73.4 N 21 43 26.7 E 077 17 72.5 Akot- N 210 19'30.7 E 076057'34.8' N 210 11'22.4 E 076051'47.0'	Establnishment of 4 new protection camps for antipoaching measures are essential. Type III quarter for RFO Chaurakund is essential for better protection and staff presence.

13	Anti-Poaching	Procurement field gear, night vision device, field dress, boots, binoculars	16.1.21	0	159	Field dress with boots to 159 personell @ Rs 3000 = Rs 4.77 Lakhs, 10 binoculars @ Rs 10000 = Rs 1 Lakh, 2 Night vision @ Rs 70000= 1.4 lakhs, Patrolling gear for stpf and other staf 50 Nos @ Rs 1560= Rs 78,000/ (Gugamal-5 RFOS, 25 Foresters, 107 Forest Gaurds and 22 Forest labour)	0.05	7.95	Patrolling gears and other instument are to be provided for strengthening the field protection operation.
14	Anti-Poaching	Procurement of arms and ammunition	16.1.13	0	34	Procurement of arms for STPF 3 Squad ACF-1, RFO-3, Forest Guard- Forest Watcher- (Pistol- No. SLR -15 No. 12 Bore- 15 No.)	0.6	20.4	Arms and ammunition for STPF wing most necessary for combating poaching illicit felling incidence.
15	Anti-Poaching	Procurement of vehicles(boats,motorbikes, mobility, Gypsy, Jeep, Truck, Tractor,)(patrolling vehicles against condemnation)	16.1.19	0	10	Procurement of vehicles for STPF squad 3 Canter vehicle and 1 jeep) and 3 Jeep for Division, 3 tractor with trolley 3 range in Melghat Tiger Reserve)	4	40.00	Melghat is a vast area Covering around 2900 Sq.Km. with seanty field staff. The Vehicles are necessary for deployment of Staff in remote areas especially during fire season. Average amount per vehicle Rs. 1.00 lac
16	Anti-Poaching	Providing support to tiger reserves for raising, arming and deploying Special Tiger Protection Force (STPF).	16.1.1	0	112	Sipna-STPF Staff salery ACF-1 12 Month Sal 4.20 lac RFO-1 12 Month Sal 3.60 Lac, Forest Guard -27 12 Month 54.10 Lac, Watcher -9 12 Month 18.30 Lac Akot-STPF Staff salery RFO-1 12 Month Sal 4.61 Lac, Forest Guard -27 12 Month 62.12 Lac, Watcher -9 12 Month 20.70 Lac	2.33	260.96	Required for raising, arming and deploying Special Tiger Protection Force (STPF) for effective protection of the reserve.
17	Strengthening	Creation of fire lines and firebreaks.	16.2.15	0	390	Creation of New firelines in meadow and around rehabilitated village boundary	0.1	39.00	Length of firelines - 394Km probable expenditure Rs. 15000/- per Km
18	Strengthening	Establishing Monitoring system for Tigers Intensive protection and Ecological Status (M-Stripes) monitoring.	16.2.27	0	LS	Tiger Reserve component (budget) GPS, M.STRIPES (GPS UNIT) field expenses, laptop, desktops Computer stationery M-STRIPES Bookle printing.	LS	10.00	M-stripes syatem is to be adopted for effective communication and protection. GPS enabled 45 units Camera @18000/- Laptop @ 27000/- 45000/- per unit 3 in each range and 1 in each Division office = Total 45 units
19	Strengthening	Procurement of Geographical Information System (GIS).	16.2.20	0	1	Procurement of Geographical Information System (GIS).in Melghat Tiger Reserve	2	2.00	The field staff has to be made conversant with GIS for monitoring the field movements during patrollings. Purchase of 2 Desk Top @ 40000/- & 01 plotter 120000/-
20	Strengthening	Procurement of Hardware.	16.2.18	0	2	Procurement of Hardware for STPF office and crime cell	0.5	1.00	STPF & crime cell is to be equipped with necessary Hardware. Procurement of 2 Desk Tops & 2 Printers for STPF Units.

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21	Strengthening	Procurement of satellite imageries, printing for management planning/ Tiger Conservation Plan	16.2.24	0	1	Procurement of satellite imageries for management planning in Melghat Tiger Reserve	1	1.00		Satellite Imageries are to be procured for advance planning in respect of protection and conservation measures.
22	Strengthening	Procurement of Software.	16.2.19	0	2	Procurement of Software for STPF office and crime cell	0.125	0.25		STPF & crime cell is to be equipped with necessary Software. Procurement of Software for 2 Desktops.
23	Addressing man animal conflict	Creation of crop protection structures. (Chain-Link Fence, Nylonforce)	16.4.2	0	1000	1000 Mts Chainlink fencing in 1 village @ Rs 2000 in Melghat Tiger Reserve	0.01	10.00	Gugamal-N 21032'13.6" E 77006'37.2"	Inteded to be setup as a pilot project for preventing crop damage from wild animals.
24	Addressing man animal conflict	Procurement of traps to catch problematic animals.	16.4.3	0	1	Procurement traps to catch problematic animals in Melghat Tiger Reserve	1	1.00		Safeguarding the lives of strayed wild animals and reducing hazards to human lives. Purchase of 1 Tiger/Leopard trap cage.
25	Research and field equipment	Day to day monitoring of wild animals	16.7.1	0	10	Day to day monitoring of wild animals in Melghat Tiger Reserve	0.2	2.00		Day to day monitoring of wild animals would help in estimation of wild life population. Purchase of Camera Traps, 30 @ 20000/-
27	Mainstreaming wildlife concerns	Habitat improvement measures.	16.10.5	0	310	Habitat improvement measures Sipna-60 ha., Gugamal 100 ha., Akot-150 ha. Total 310 ha. @ Rs. 25000/- in Melghat Tiger Reserve	0.1	31.00	Sipna-N 21 39 14.2 E 077 26 25.4 N 21 39 08.6 E 077 26 24.8 N 21 38 47.3 E 077 25 58.6 N 21 28 32.3 E 077 25 43.1 Gugamal- N 21023'34.47" E 77008'27.55" N 21022'38.45" E 77015'10.83" N 21033'02.55" E 71010'01.71" N 21032'33.1" E 77007'46.5"	Habitat improvement measures (Grassland Development) are to be taken for increasing the sustainability of herbivores.
28	Staff Development	Dissemination workshops.	16.8.6	0	3	Dissemination 3 workshops in Melghat Tiger Reserve	0.25	0.75		Workshops are to be organised to make the staff understand the changing scenario and needs in wildlife conservation. Proposed Workshops 1) Law Enforcement & evidence collection. 2) Eco development 3) Fire Protection, Forest & Wildlife management.
29	Staff Development	Study tours for appraisal of good practices in other reserves.	16.8.5	0	1	Study tours for appraisal of good practices in other reserves.	2	2.00		Study tours to other Reserves would help in increasing efficiency and awareness amongst the staff about best management practices in other protected areas.
30	Project Allowance	Provision of Project Allowance to staff (all categories) of Project Tiger (providing project allowance to Ministerial staff is a new component) (non recurring). Separate for all categories. See from guide lines	16.15	0	817	Project Allowance to field staff and Ministerial staffs in Melghat Tiger Reserve	0.081	65.997		Essential for encouraging people to work and stay in remote areas.

31	Staff welfare	Provision for ration allowance to field staff	16.16.1	0	567	*Ration Allowance (Forester-54 Forest Guard-183 Mahavat-3 Characutter-4 Chowkidar-7 Malli-3, Forest Labour- and 113 and STPF Guard-81 Post STPF watcher-27 Post @ Rs 860/- From 01/03/2015 to 28/02/2016 (367 x 12 x 860)	LS	58.51		Essential for encouraging and stay people to work in remote areas.
32	Staff welfare	Supply of field kit	16.16.4	0	550	Supply of field kit for Field Staff - 550 @ Rs. 1000/- in Melghat Tiger Reserve	0.01	5.50		Field kit would provide equipment and help in better discharge the duties amongst the lower staff. Supply of 1 haversack, 1 Water bottle, 1 Torch for each of the field staff.
33	Staff welfare	Supply of kerosene	16.16.2	0	1250	Supply of kerosene 79 protection camp @ Rs. 60/- per Liter in Melghat Tiger Reserve	6E-04	0.75		Most of the Protection Camps are devoid of electric supply and kerosene and Diesel is required in winter and monsoon seasons.
34	Staff welfare	Supply of medicine	16.16.3	0	LS	79 Protection Camps and 53 vehicles Total 132 @ Rs. 2000/- per kit in Melghat Tiger Reserve	LS	1.00		Supply of medicine and first aid necessary in remote area such as reserves.
Total (Non-Recurring):								642.277		
Recurring										
1	Anti-Poaching	Organizing vehicular patrolling by constituting squads (Tiger Protection Force)(comprising of field staff, laborers and police or SAF or ex-army personnel or home guards with wireless handset and paraphernalia for apprehending offenders, apart from prescribing a patrolling calendar for the squad.)	16.1.6	0	25	Wages for the labours 25 Labours (Tiger Protection Force) 5 Force (25 Lab x 312 day x @320/- Per day) in Melghat Tiger Reserve	0.998	24.96		In Jarida and Chaurakund two Special Tiger Protection Force will patrol the border areas.
2	Anti-Poaching	Deployment of ex-army personnel and home guards.	16.1.11	0	36	Payment of superwiser + Exmilitary 36 Nos.x 10000/- Per months x 12 Months = 1680000/- in Melghat Tiger Reserve	1.2	43.2		In Melghat Tiger Project protection by Ex-army personnel is essential as they are sincere and disciplined and armed.
3	Anti-Poaching	Deployment of local work force for patrolling, surveillance of water holes, manning barriers.	16.1.12	0	10	10 labour @ Rs 8000 pm in Melghat Tiger Reserve	0.96	9.6		It will help in better monitoring and involvement of locals in protection.
4	Anti-Poaching	Maintenance field gear, night vision device.	16.1.22	0	3	Maintenance field gear, night vision device. in Melghat Tiger Reserve	0.15	0.45		The maintenance of field gear will help in better protection.(Batteries, Memory card etc.) would be replaced

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5	Anti-Poaching	Maintenance of arms and ammunition.	16.1.14	0	61	maintenance of SLR rifles 10 No.s, 9 mm pistol 4 No., 47 Bore Pump Action in Melghat Tiger Reserve	0.01	0.61		Arms help in preventing poaching inside the tiger reserve.
6	Anti-Poaching	Maintenance of elephant squads.	16.1.16	0	4	Wages for elephant Helper 4 nos. x 312x@320 (4 Elephant Per elephant 1 helper)	0.998	3.994		Helper for 4 elephant of MTR and procurement of grass and taking care.
7	Anti-Poaching	Operation Monsoon-Ensuring special site specific protection measures during monsoon considering the terrain and accessibility of Protected Areas.	16.1.10	0	137	Mosoon kit for staff 5 RFOs, 25 Foresters and 107 forest Gaurds @ Rs 2000 in Melghat Tiger Reserve	0.02	2.74		MTR being remote undulating and hilly requires special monsoon kits in monsoon period. Raincoat @ 700/- Rain boots @ 1300/-
8	Strengthening	Maintenance of (staff quarters, family hostels, office improvement, house keeping buildings, museum).	16.2.1.4	0	4	Sipna Division office, Semadoh, Raipur, Hatru, Jarida Chaurakund Range Gugamal-4 offices @ Rs 2 Lakhs= 8 Lakhs, 20 residential building @ Rs 1 Lkhs= 20 Lakhs, Harisal Sankul @ Rs 5 Lakhs, FRH at Tarubanda @ Rs 3 aLkhs= 3 Lakhs, Akot- (Type - I, Type-II, Type III, Type-IV Qtr Division office Akot Cabin Bathroom)	1	4.00	Sipna- N 21 34 39.8 E 077 16 12.80 N 21 30 08.6 E 077 19 3.10 N 21 36 24.62 E 077 06 29.20 N 21 42 26.6 E 077 21 4.30 N 21 35 30.1 E 077 29 06.8 Akot- N 210 06'45.0 E 77003'21.20' N 210 06'42.0 E 77003'19.8' Gugamal- N 21018'45.64" E 77031'03.80" N 21024'08.49" E 77019'53.02" N 21027'51.30" E 77008'32.86" N 21032'13.88" E 77006'37.33" N 21025'56.26" E 77003'09.96"	Field staff employees' Qtr maintenance is essential for better living conditions to staff. staff help in better discharge of their duties.
9	Strengthening	Maintenance of road network.	16.2.4	0	25	Gugamal Division 25 Kms Road Network @ Rs 20000 in Melghat Tiger Reserve	0.1	2.5	Gugamal - N 21022'58.92" E 77015'10.89" N 21023'24.75" E 77007'50.19" N 21023'24.75" E 77007'50.19" N 21022'03" E 77004'24.0"	It is essential as communication and movement is essential for protection. Most of the roads of MTR requires maintenance after monsoon.
10	Strengthening	Maintenance of vehicles (Gypsy, Jeep, Truck, Tractor, staff car etc.).	16.2.18	0	LS	Maintenance of vehicles (Gypsy, Jeep, Truck, Tractor, staff car etc.) in Melghat Tiger Reserve	LS	9.00		Maintenance of 59 Vehicles are essential for effective movement of the staff.
11	Anti-Poaching	Deployment of camp labourers for patrolling.	16.1.5	0	237	79 camps x 3 labour x 312 day @320 in Melghat Tiger Reserve	0.998	236.621		Essential for round the year patrolling in the Forest area and keeping the person round the clock in all 79 Pro. camps.
12	Anti-Poaching	Legal support for defending court cases.	16.1.18	0	LS	Legal support of MTR court cases.	LS	1.00		Court Cases fees. Timely payment of court case fees to Advocates in essential for better prosecution and trials of court cases.
13	Anti-Poaching	Maintenance of vehicles(boats,motorbikes, mobility)	16.1.20	0	53	53 vehicles, POL @ Rs 0.75 Lacs and repairs @ Rs 0.30 Lacs per vehicle	0.396	21.000		Maintenance of 53 Vehicles is essential for essential for protection and prohibiting.

14	Anti-Poaching	Maintenance of elephants and there accessories.	16.1.22	0	4	Force Medicines, equipment etc. 4 x Rs 2000 x 12 Months	0.24	0.96		Elephant Ration and Medicines are essential 4 Elephants of MTR.
15	Anti-Poaching	Maintenance of existing patrolling camps/chowkis.	16.1.4	0	79	79 Camps, @ rs 1000 pm in Melghat Tiger Reserve	0.12	9.48		Essential for round the year patrolling in the Forest area and keeping at least one person round the clock in protection camp numbering 79.
16	Anti-Poaching	Maintenance of wireless network.	16.1.8	0	76	38 W.Station x 2 Labours x 312 days x @ Rs.320/- in Melghat Tiger Reserve	0.998	75.878		Essential for round the year communication in the forest area as there is no mobile network in MTR. Wireless is the only means of communications.
17	Anti-Poaching	Organizing surprise raids jointly with the local police(in railway stations, local trains, bus-stops, buses, catchers and cafeteria.)	16.1.9	0	24	Rs 10000 per raid in Melghat Tiger Reserve	0.05	1.20		It is essential to control illicit felling from MTR.
18	Anti-Poaching	Providing support to tiger reserves for raising, arming and deploying Special Tiger Protection Force (STPF).	16.1.1	0	94	Supply of STPF GPS, Fiber Stick, Rain Coat, Water bottle, Torch, Shield	0.05	4.7		It will strengthen the STPF established in 2015-16.
19	Anti-Poaching	Rewards to informers.	16.1.17	0	3	Semadoh, Raipur, Hatru, Jarida, Chaurakund, Narnala, Dhargad, Wan, Sonala, Somthana (3 Division)	0.25	0.75		Reward to informer help in developing the informer network to prevent poaching.
20	Strengthening	Maintenance of (patrolling camp, culverts).	16.2.1.2	0	3	Strengthening of Protection Huts M.S Grill, Gates, doors, Chainlink fencing, water providing etc. (3 Division)	0.5	1.5		Existing protection huts 79 need to be strengthened by providing M.S.Gate, Chainlink Fencing and roofing.
21	Strengthening	Maintenance of anicuts, , Stop Dam-cum-Bridge, Culvert, Irish Bridge.	16.2.13	0	6	6 anicuts in Melghat Tiger Reserve	0.64	3.84	Sipna- N 21 34 03.9 E 077 14 04.2 N 21 37 13.3 E 077 06 38.9	Augmenting of water in MTR is Essential as MTR is water deficient in summer.
22	Strengthening	Maintenance of bridges.	16.2.10	0	3	Gothanam to Golai Barukheda to Kanjoli Shahanut to Narnala Fort	0.3	0.9	Akot- N 210 13'45.0 E 77002'30.0 N 210 16'48.0 E 76057'55.0	Essential for round the year communication and patrolling.
23	Strengthening	Maintenance of dams.	16.2.12	0	2	Gullarghat, Amona Akot Div.	0.8	1.6	Akot- N 210 16'38.0 E 77001'10.0'	Augmenting of water in MTR is Essential as MTR is water deficient in summer.
24	Strengthening	Maintenance of earthen ponds.	16.2.16	0	1	1 Ponds in Melghat Tiger Reserve (@ Rs 1 Lacs per ponds)	1	1.00	Gugamal- N 21022'29.34" E 77015'09.53"	Augmenting water in MTR is Essential as water is deficient in summer and tiger is water loving species.
26	Strengthening	Maintenance of fire lines and firebreaks.	16.2.15	0	301	Fire Protection (Cutting and Burning of fire lines, Fire Protection camps, Vehicle on hire with fuel, Fire Protection equipments (6 mtr- 91 km x 984/- per km) (12 mtr, = 145 km x 1603/- per km) (30 mtr = 65 km x 2396/- per km) 3 Division	0.017	5.000		Fire line Cutting and Burning work help in fire protection in summer.

27	Strengthening	Maintenance of fire watch tower.	16.2.9	0	8	Gugamal Division 8 towers @ Rs 20000 in Melghat Tiger Reserve	0.2	1.6	Gugamal- N 21023'10.3" E 77015'05.9" N 21021'71.4" E 76059'71.8" N 21020'41.8" E 76056'48.4" N 21027'33.12" E 77008'36.46" N 21033'05.75" E 77010'33.18" N 21°27'56.91" E 77°9'08.23" N 21°28'57.69" E 77°09'16.55" N 21°26'17.5" E 77°11'13.3" N 21°24'02.3" E 77°07'55.2"	Essential for fire protection and involving locals in monitoring in fire season.
28	Strengthening	Maintenance of Hardware.	16.2.21	0	37	37 Computer in 3 Division Melghat Tiger Reserve for Hardware	0.014	0.518		computer maintenance is essential for office work and submitting returns in time.
29	Strengthening	Maintenance of kuccha roads	16.2.3	0	26	Dhargad to Amona Somthana Bu. To Somthana Kh., Wan to Nagartas, Barukheda to Talai Telyadev to Barukheda, 26 Km	0.08	2.08	Akot- N 210 15'0.0 E 76058'30.0' N 210 15'0.0 E 76054'30.0' N 210 12'30.0 E 76048'45.0' N 21014'48.0 E 76050'0.0' N 21016'48.0 E 76050'0.0'	The maintenance of existing kuccha roads is essential for patrolling and protection of MTR.
30	Strengthening	Maintenance of road network.	16.2.4	0	80	Sipna-35km, Gugamal-25km, Akot 20km Total 80Km road in Melghat Tiger Reserve	0.1	8.00	Akot- N 210 19'0.0 E 76056'45.0' N 210 17'30.0 E 76055'45.0' N 210 19'0.0 E 76054'40.0' N 21017'0.0 E 76050'30.0' Gugamal- N 21022'58.92" E 77015'10.89" N 21023'24.75" E 77007'50.19" N 21023'24.75" E 77007'50.19" N 21022'03" E 77004'24.0"	Existing roads require maintenance after monsoon and essential for patrolling and protection.
31	Strengthening	Maintenance of Software.	16.2.23	0	37	37 Computer in Melghat Tiger Reserve for Software	0.014	0.518		Essential for office work and communication.
32	Strengthening	Map digitization facility for management planning.	16.2.26	0	297	Digitization of Maps (Ranges, Rounds, Beats)	0.005	1.485		It will help MIS system of MTR.
33	Mainstreaming wildlife concerns	Monitoring of wild animals.	16.10.3	0	3	Monitoring of wild animals in Melghat Tiger Reserve	0.66	1.98		Estimation of population of wild animal ones area in each division is essential to judge the efficacy of managerial input.

34	Staff Development	Capacity building and training.	16.8.1	0	2	Visit to other National Parks sanctuaries for Staff and villagers (1 Visit Other National Park)	0.5	1.00		Part of HR development and essential to enhance field staff capabilities.
35	Staff Development	Specialized training in jurisprudence and wildlife forensics.	16.8.4	0	1	Training for Field staff (Wild crime wildlife forensic etc.) 1 Workshop	0.5	0.5		One workshop will help in better prosecution and sensitization of judiciary.
36	Staff welfare	Maintenance of torch/ batteries	16.16.6	0	237	Supply of Torch STPF Employes (STPF Force Check Naka)	0.005	1.185		Use for regular patrolling by staff.
37	Habitat Improvement	Grass land improvement, wetland improvement	16.3.4	0	30	Akot Chunkhedi, Kelpani, Somthana Kh., Somthana Bk. Gugamal 10 ha Rs 10000/-	0.1	3.00	Akot- N 210 16'01.0 E 76054'47.00 N 210 15'12.4 E 76053'37.2 N 210 14'57.8 E 76053'29.2 Gugamal- N 21023'14.94" E 77007'48.24" N 21026'18.27" E 77011'22.81"	The vacated land after voluntary relocation of villages will provide forage to wild herbivores.
38	Habitat Improvement	Removal of gregarious plant growth from grasslands	16.3.2	0	50	Gugamal 25 ha Akot Barukheda-25,	0.1	5.00	Akot- N 21014'10.0 E 76019'58.07 Gugamal- N 21023'33.64" E 77012'27.81"	Removal of invasive species help in better habitat condition. MTR has no. of invasive species.
39	Habitat Improvement	Water retention structures	16.3.3	0	2	Construction of Nala bandh at Akot-2 Gugamal -2 Structure Rs 300000/-	3	6.00	Gugamal- N 212340.24 E 770725.80 N 212737.31 E 771556.14	Soil and moisture conservation works are essential in MTR as the area is hilly and undulating. Water retention in nallas help in providing water to wild animals in summer.
40	Habitat Improvement	Weed eradication	16.3.1	0	3	Sipna Semadoh, Raipur, Hatru, Jarida Chaurakund Range Area Lantana removal Akot Barukheda, Nagartas, Amona, Gullarghat, Dhargad, Bori, Somthana	1	3.00	Akot- N 210 14'10.0 E 76058'07.0 N 210 12'07.9 E 76048'23.8 N 210 12'94.6 E 76059'15.1 N 21015'70.0 E 76059'0.95'	Lantana and wild basil (Hyptis sanveolens) are two species which require regular eradication from MTR. Essential to provide better forage to wild herbivores.
Total (Recurring):								502.349		
Total (Non-Recurring + Recuring)								1144.626		

(Rs. In Lakhs)

S. No.	Items	Sanction	Central Assistance
1.	Non-Recurring (60%)	642.277	385.366
2.	Eco development (60%)	--	--
3.	Recurring (50%)	502.349	251.175
4.	Sub Total	1144.626	636.541
5.	10% Flexi-fund (x/9)	127.180	70.726
6.	Total (X)	1271.806	707.267
7.	Adjustment of balance of previous year 2015-16 including amount to be adjusted due to revised funding pattern (1.49 + Nil)	1.49	1.49
8.	Grand Total	1270.316	705.777

(Rs. In Lakhs)

Cost of APO including State's share (including Flexi Fund)	A	1271.806
Centre's share in APO (without Flexi Fund)	B	636.541
FF on Centre's share	$C=B/9$	70.726
Centre's share including FF	$D=B+C$	707.267
1 st release @ 80% of Centre's share	$E=0.8*D$	565.814
Less: Unspent balance FY 15-16 including amount to be adjusted due to revised funding pattern	F	1.49
Adjusted 1 st release including FF	$G=E-F$	564.324
2 nd release @ 20% of Centre's share	$I=0.2*D$	141.453
Total release towards APO in FY 16-17	$J=(9/10)*(G+I)$	635.199
Total release towards FF in FY 16-17	$K=(1/10)*(G+I)$	70.578
Grand total release in FY 16-17	$L=G+I$	705.777
Total effective release including USB	$L+F$	707.267
Effective release for APO activities	$J+0.9*F$	636.541
Effective release for FFs	$K+0.1*F$	70.726

* 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.