

No. 4-1(8)/2018-PT
Government of India
Ministry of Environment, Forest and Climate Change
Project Tiger Division

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Dated the 27th July, 2018

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 Bandhavgarh Tiger Reserve, Madhya Pradesh during 2018-19 –reg.**

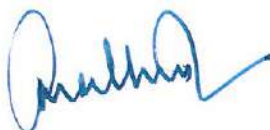
Sir,

I am directed to convey the administrative approval of the competent authority to the continuance of the Scheme 'Project Tiger' in Bandhavgarh Tiger Reserve, Madhya Pradesh at the cost of **Rs. 841.66 Lakhs (Rupees Eight hundred Forty One lakhs Sixty Six thousand only)** as per details given in the table at Annexure. Of the total cost of the Scheme, **Rs. 588.51 Lakhs (Rupees Five hundred Eighty Eight lakhs Fifty One thousand only)** being the recurring cost of the scheme will be shared on 50:50 basis by the **Government of India** and **Government of Madhya Pradesh**. 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 Madhya Pradesh.

2. I am also directed to convey the sanction of the President to the payment and release of an amount of **Rs. 337.22 lakhs (Rupees Three hundred Thirty Seven lakhs Twenty Two thousand only)** as the 1st installment of Central Share towards the Grants-in-aid to Government of Madhya Pradesh during the current financial year 2018-19. The balance amount of the Central Assistance will be released in due course after a review of the progress of expenditure/work is undertaken.

3. The grants-in-aid will be regulated in accordance with the provisions contained in the memorandum of the Centrally Sponsored Project Tiger Scheme. The Grants-in-Aid is also subject to the Chapter 9 of the General Financial Rules 2017, as amended from time to time, read with the Government of India's decision incorporated there-under, and any other guidelines which may be issued in this regard, and in particular to the following conditions:-

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



categories of employees of Central Government and where it is not in accordance with above, the relaxation of Ministry of Finance have been obtained for such discrepancies as required under GFR 230(12)(I).

- (iv) Assets acquired wholly or substantially out of Government Grants shall not be disposed off without obtaining the prior approval of the sanctioning authority of Grants-in-aid.
- (v) The **Government of Madhya Pradesh** 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 **Bandhavgarh 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 Utilization Certificate against the earlier funds released under Grants-in-aid have been received and accepted by the competent authority.
- (ix) Government of Madhya Pradesh in respect of **Bandhavgarh Tiger Reserve** may furnish their performance-cum-achievement report on or before 31.3.2019.
- (x) **Bandhavgarh 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 Madhya Pradesh** 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 2018-19 and unspent balance, if any, will be refunded by **Government of Madhya Pradesh** to the **Govt. of India**.
- (xiii) Government of Madhya Pradesh in respect of **Bandhavgarh Tiger Reserve** will maintain a separate account and will present their annual accounts in the standard format as required under GFR 230(5).
- (xiv) Grants-in-aid shall be utilized for **Bandhavgarh Tiger Reserve** strictly as per the Memorandum of Understanding (MOU) between the Ministry of Environment, Forests and Climate Change, acting through the National Tiger Conservation Authority, Field Director (**Bandhavgarh Tiger Reserve**) and **Government of Madhya Pradesh**.
- (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) GFR is followed by implementing agency alongwith the economic instructions issued by Government of India from time to time.
- (xxiv) Satellite photo with date and latitude and longitude nodes after completion of work depicting the work carried out before and after the work.
- (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 contributions of employees shall be obtained wherever applicable.
- (xxvii) 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.
- (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 C&AG.
- (xxxiii) All guidelines under the project is to be followed scrupulously.
- (xxxiv) The UC with physical progress report and satellite photo with physical deliverable with date and latitude – longitude coordinates before and after completion of work be obtained of each tiger reserve and uploaded on the website of the implementing agency as well as the Ministry for public access.
- (xxxv) 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 Madhya Pradesh 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 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 Madhya Pradesh under intimation to this Department.



8. The expenditure incurred is adjustable to the Demand No. 27 (Ministry of Environment, Forest and Climate Change) under the following heads during the Financial Year 2018-19:

Scheme	Budget Head	Amount (Rs. in lakhs)
Centrally Sponsored Scheme of Project Tiger	3601.06.101.02.01.31 (Gen)	101.17
Centrally Sponsored Scheme of Project Tiger	3601.06.789.02.01.31 (SCSP)	67.44
Centrally Sponsored Scheme of Project Tiger	3601.06.796.02.01.31 (TSP)	168.61
Total		337.22

9. This issues under the powers delegated to the Ministry and with the concurrence of Integrated Finance Division vide Dy. No. 110074/AS&FA (PG) dated 24.7.2018.

Yours faithfully,

(Dr. Vaibhav C. Mathur)

Assistant Inspector General of Forests (PT)

Copy to:-

1. The Secretary (Forests), Govt. of Madhya Pradesh. A copy of the detailed sanction letter issued by the State Government in respect of this scheme for 2018-19 may kindly be furnished to this Ministry immediately.
2. The Secretary (Finance), Govt. of Madhya Pradesh.
3. The Principal Chief Conservator of Forests / Chief Wildlife Warden, Govt. of Madhya Pradesh.
4. The Field Director, Bandhavgarh Tiger Reserve, Madhya Pradesh.
5. The Accountant General, Madhya Pradesh.
6. The Director of Audit, Scientific Department, AGCR Building, IP Estate, New Delhi.
7. The AIG, 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.

(Dr. Vaibhav C. Mathur)

Assistant Inspector General of Forests (PT)

BANDHAVGARH TIGER RESERVE, MADHYA PRADESH
ANNUAL PLAN OF OPERATION 2018-19

Non-Recurring (Core + Buffer)

Activity	Item	Para No. CSS PT Guidelines	Para No. TCP	Amount released PFY	Current Financial Year				GPS	Justification
					No. of Items (Physical Target)	Sub-item Details	Unit Price (Rs.)	Total (Financial Target) (Rs. in lakhs)		
Anti-Poaching	Buffer Area: Establishing of patrolling camps/chowkis/buildings	16.1.3		60.0	3.00	1.000 Establishing of patrolling camps/chowkis/buildings Range manpur, Siddha Pahadi PF-379 * 770000.000 = 770000.000 2.000 Construction of Forest Guard Quarters Range Dhamokhar, F.G. Raipur Range Manpur, Gadthola RF-279 * 890000.000 = 1780000.000	7000.0 880000.0	25.30	23.69, 81.17 23.46, 81.08 23.50, 81.17	For better foot patrolling within the Tiger Reserve area to check illegal entry, illicit grazing and poaching, patrolling from inside camps is very important. This reduces the reaction time and is therefore more effective. To be good for your system & staff housing construction should be made.
Anti-Poaching	Buffer Area: Legal support for defending court cases.	16.1.13		0.50	1.00	1.000 Legal support for defending court cases. BTR Umaria * 55000.000 = 55000.000	55000.0	0.55		To get additional legal support for defending court cases by engaging services of independent lawyers.
Strengthening	Buffer Area: Procurement of hardware, software, manpower, training, gps, etc.	16.2.11		1.5	5.00	5.000 Procurement of hardware, software, manpower, training, gps, etc. Procurement of Desktop and accessories * 40000.000 = 200000.000	40000.0	2.00		The new d Desktop and laptop Computers need replacement
Strengthening	Buffer Area: Upgradation of road network.	16.2.2	4.2	0	2.00	1.000 Creation of road network. Range Manpur, TithiPatpar to Kamchaha 3 km * 300000.000 = 300000.000 1.000 Creation of road network. Range Manpur, Guruvahi-Ranchha P-340, 3 km * 300000.000 = 300000.000	300000.0 300000.0	6.00	23.69, 81.19 23.89, 81.78 23.75, 81.03 23.96, 81.98	Protection and management of forest and Wild animal vehicles for the route to be taken by the patrol function must be constructed. Protection and management of forest and Wild animal vehicles for the route to be taken by the patrol function must be constructed.
Staff welfare	Buffer Area: Supply of mosquito net/ field kit	16.16		1.5	150.00	150.000 Supply of mosquito net/ field kit Supply of mosquito net/ field kit Buffer 03 Ranges (150 No. x 1400.00 = 2.10 Lakh) * 1400.000 = 210000.000	1400.0	2.10		The field staff of the Tiger Reserve serves in difficult and remote areas and is subjected to endemic diseases like Malaria, Dengue, Water-borne infections, snake bites apart from facing the risks of chance encounters with wild animals. They need immediate medical help before taking them to near by hospitals for further treatment. Patrolling camps, barriers, wireless stations in remote areas will be given the first aid kits.
Eco-Development	Buffer Area: Basic health care/ Health Camps for Staffs.	16.16		1.5	1.00	1.000 Basic health care/ Health Camps 30 persons (15 Villages) * 200000.000 = 200000.000	200000.0	2.00		Each village selected and educated women have to be edited residential training for 6 days
Anti-Poaching	Core Area: Establishing and maintenance of existing patrolling camps/chowkis and deployment of camp labourers for patrolling.	16.1.3	4.1	21	2.00	1.000 Establishing patrolling camps/chowkis/staff quarters etc. Patrolling camps * 700000.000 = 700000.000 1.000 Establishing of patrolling camps/chowkis/buildings Range Kailwah, East Mehanwah/ Budatal RF-230 (Gidri Camp) * 770000.000 = 770000.000	700000.0 770000.0	14.70	23.54, 80.99 23.54, 80.99 23.53, 81.12	For better foot patrolling within the Tiger Reserve area to check illegal entry, illicit grazing and poaching, patrolling from inside camps is very important. This reduces the reaction time and is therefore more effective. To Develop the residential facility to range officer at his posting place, for effective wild life conservation.
Anti-Poaching	Core Area: Organizing vehicular patrolling by constituting squads (Tiger Protection Force) comprising of field staff.	16.1.4	4.1	70.8	2.00	2.000 BTR Umaria Organizing vehicular patrolling by constituting squads (Tiger Protection Force) comprising of field	3550000.0	71.00	23.97, 81.21 23.67, 81.18	As per GOI guideline issued by letter No. 7-10/2007-NTCA dated 30-10-07 and Technical paper No.3-1/2003-PT of Feb. 2008, to strengthen protection

	labourers 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.					staff, labourers 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.)2 Units (1 Unit comprises of 4 ex-army gunmen, 6 ex-army jawans, 15 local people, Bolero Camper 03, wireless hand set 08, local people uniform * 3650000.000 = 7100000.000				of park, all ranges will be provided with deployment of ex-servicemen & local work force in addition to vehicles / POL, patrolling gears etc. Bandhavgarh TR has typical problem of invasion of villagers from adjoining human habitations. Deployment of ex-service men would help in checking biotic pressure and poaching in highly sensitive areas.
Strengthening	Core Area: Construction of (staff quarters, family hostels, office improvement, house keeping buildings, museum).	16.2.1	4.1	8	1.00	1.000 Construction of (staff quarters, family hostels, office improvement, house keeping buildings, museum, Other buildings).Construction of T.P.F barracks for their stationing T.P.F barrack 7 Rooms Pachpedhi Range (Khitouli T.P.F barrack 7 Rooms Parasi Range Damokhar, T.P.F barrack 7 Rooms Tala Range Tala * 700000.000 = 700000.000	700000.0	7.00	23.71, 80.88	For the local Persons employed as Member of T.P.F. are well trained in rescue and patrolling they do not have accommodation to stay
Strengthening	Core Area: Construction of Forest Guard Quarters.	16.2.1	4.1	8.0	2.00	1.000 Construction of Forest Guard Quarters Range Patour, Forest Guard Naka Pataur (Pataur) Range Patour, Forest Guard Naka Pitaur (Panpatha) * 880000.000 = 880000.000	880000.0	8.8	23.87, 81.00	For the front line staff, residential facility is required that can be fulfilled by constructed forest Guard Quarter.
Strengthening	Core Area: Construction of Rangers Quarters.	16.2.1	4.1	0.0	1.00	1.000 Construction of Rangers Quarters Panpatha. Range Panpatha core, RO Quarter Panpatha (Part) * 640000.000 = 640000.000	640000.0	6.40	23.87, 81.00	To Develop the residential facility to range officer at his posting place, for effective wild life conservation.
Strengthening	Core Area: Creation of fire lines and firebreaks.	16.2.6	4.1	0.0	1500.00	1500.000 Maintenance of fire lines and firebreaks. Vehicles, Manpower and Fire line maintenance. (Burning line = 1500 km x 1447/km @21.70) (Fire Watchers = 6 x 10 x 5 = @273 = 7.37) (Vehicles = 6 x 1 x 45 day @ 28000per months) (Note - 754 km in core area & 746 km in Buffer Zrea). * 2200.000 = 3300000.000	2200.000	33.00		Fire protection is very important activity in the TR as fire causes maximum damage to the forest and does have profound effects on forest communities and wildlife. Though fires usually do not kill a large number of animals, they do harm micro-fauna, and vastly alter wildlife habitats. A general ecological effect of fire is to reverse the process of natural plant succession. It is caused by careless passer-by, collectors of Mahua flowers irresponsible graziers, poachers and criminal minded local people. Therefore intensive fire protection is essential. For this purpose vehicles at Range Asstt. Circle levels (14 nos.) and additional labourers as fire watchers (about 90-100) are deployed during fire season apart from maintenance of about 1500 km length of fire lines. (Note - 754 km in core area & 746 km in Buffer Area).
Strengthening	Core Area: Creation of road network.	16.2.2		16.4	5.00	1.000 Creation of road network. Range Magdhi, Geraiha To Ukthha 3 km * 405000.000 = 405000.000 1.000 Creation of road network. Range Magdhi, Badbaderapta To Amliha 3 km * 405000.000 = 405000.000 2.000 Creation of road	405000.0 405000.0 405000.0 675000.0	22.95	23.62, 80.94 23.62, 81.04 23.52, 81.03 23.62, 80.94 23.62, 80.97 23.62, 81.04 23.61, 81.04 23.52, 81.03 23.52, 81.03 23.32, 80.36	Protection and management of forest and Wild animal vehicles plying is necessary for the patrolling route to be constructed. Protection and management of forest and Wild animal vehicles plying is necessary for the patrolling route to be constructed.

						network. Range Magdhi, Piparha To Dhava, 3 km, Range Patour, P4 to Nimgahna (Chilhari) 3 km * 405000.000 = 810000.000 1.000 Creation of road network. Range Patour, Guruwahibairiyar to Bameara Dam (Pataur D) 5 km * 675000.000 = 675000.000			23.88, 80.93 23.59, 80.98 23.76, 81.84	Protection and management of forest and Wild animal vehicles plying is necessary for the patrolling route to be constructed. Protection and management of forest and Wild animal vehicles plying is necessary for the patrolling route to be constructed.
Strengthening	Core Area: Establishing Monitoring system for Tigers Intensive protection and Ecological Status (M-Stripes) monitoring.	16.2.14	4.5	6.0	1.00	1.000 Establishing Monitoring system for Tigers Intensive protection and Ecological Status (M-Stripes) monitoring. Carrying out Phase IV monitoring of tiger, Purchase Camra Trap, Batteries, Bahehalncoser, T6 monitoring, Census 1. Camera Batteries 6 Volt 1200 No. Rs. 400/- each (1200 No. x 400/- = 480000) 2. Memory Card 500 No. Rs. 340/- each (500 No. x 340/- = 170000) * 650000.000 = 650000.000	650000.0	6.50		For effective Tiger monitoring camera trap are required to fit in selected grid point to no the identity and movement of tiger day by day as per establish protocol.
Strengthening	Core Area: Procurement of Hardware.	16.2.10	4.2	2.0	3.00	2.000 Procurement of Hardware. * 100000.000 = 200000.000 1.000 Procurement of Hardware. (Desktop Computer 1 for GIS Work and Plotter 1 +Laser Printer) HQ Umaria * 250000.000 = 250000.000	100000.0 250000.0	4.60	23.52, 80.83	For tiger monitoring advance version computer & Laptop required. For tiger monitoring advance version computer for GIS Work required.
Strengthening	Core Area: Procurement of Software.	16.2.10	4.2	0.25	20.00	20.000 Procurement of Software. * 1250.000 = 25000.000	1250.000	0.25	23.52, 80.83	Purchas of Anti-virus software is proposed to keep the software free from virus and to ensure un-interrupted working.
Addressing man animal conflict	Core Area: Procurement of tranquilizing equipments, darts, rescue vehicles, drugs.	16.4.1.4	4.2	9.0	11.00	10.000 Procurement of tranquilizing equipments, darts, rescue vehicles, drugs. in BTR * 10000.000 = 100000.000 1.000 Wild animals rescue training * 100000.000 = 100000.000	10000.0 100000.0	2.00	23.52, 80.83 23.72, 81.01	For Treatment of diseased animal dart is required. NTCA letter No. 15-25/2010 Date 20-02-2018 has been written to submit this project to APO year 2018-19
Staff Development	Core Area: Dissemination workshops.	16.8.6	4.3	4.0	3.00	2.000 Dissemination workshops. All 06 Ranges Core zone * 200000.000 = 400000.000	200000.0	4.00	23.72, 81.01	It is required that every study tour should be followed by an experience sharing dissemination session. Apart from this, it is also proposed to organize one workshop for EDC members of various eco-development committees of Bandhavgarh Tiger Reserve.
Staff welfare	Core Area: Provision for ration allowance to field staff- Constable	16.16		25.0		214.000 Provision for ration allowance to field staff (214*860*12) = 2208480.000	10320.00	22.09		To ensure ration of the field staff and labourers as per GOI Gazette notification Dated 15 July 2014 Detail for emp. And labour, 214 employ, 157 Daik Vetan Bhogi, 412 EDC Labour (Staff of Core Zone and Buffer Zone Labour 575)
Staff welfare	Core Area: Supply of torch/ batteries	16.16	4.16	1.5	575.0 330.00	330.000 Supply of torch/ batteries * 610.000 = 201300.000	610.000	2.01	23.72, 81.01	For night patrolling purpose at torch & batteries are required.
Water Development	Core Area: Habitat Improvement Works (Construction of Tank, Well, Hand Pump etc.).	16.2.9		0.0	2.00	1.000 Construction of Stopdam /Rapta Range Magdhi, BaghbudaNala RF 267 * 200000.000 = 200000.000 1.000 Construction of Stopdam /Rapta Range Khitouli, Gadpuri(kumbhikachhar) * 800000.000 = 800000.000	200000.0 800000.0	10.00	23.59, 80.98 23.70, 80.99	Provision of safe drinking water in the summer to wild animal and land and water conservation work to increase RptaStap dam construction should be made less. Provision of safe drinking water in the summer to wild animal and land and water conservation work to increase RptaStap dam construction should be made less.
	Total (Non-Recurring)							253.15		

Recurring (Core + Buffer)

Activity	Item	Para No. CSS PT Guidelines	Para No. TCP	Amount released PFY	Current Financial Year			GPS	Justification	
					No. of Items (Physical Target)	Sub-item Details	Unit Price (Rs.)			Total (Financial Target) (Rs. in lakhs)
Anti-Poaching	Buffer Area: Maintenance of wireless network.	16.2.3		2.0	15.00	15.000 Maintenance of wireless network. BTR Umaria Buffer Zone 15 No. * 15500.000 = 232500.000	15500.0	2.33		The wireless network in Bandhavgarh Tiger Reserve is the most important mode of communication. Hence, continuous maintenance of the present network is necessary.
Anti-Poaching	Buffer Area: Deployment of local work force for patrolling, surveillance of water holes, manning barriers.	16.1.9	4.1	9.5	215.00	80.000 Deployment of camp labourers for patrolling. Wages for labourers in patrolling camps / wireless stations/barriers. labours. * 107650.000 = 8612000.0 45.000 Operation Monsoon-Ensuring special site specific protection measures during monsoon considering the terrain and accessibility of Protected Areas. BTR Umaria Buffer Zone * 23225.000 = 1045125.000	107650.0 23225.0	96.58		In the wake of increasing threats from anti-social elements, poachers and thieves, the protection is to be done on top priority basis. Since the regular staff is very limited, engaging local labourers as patrolling camp watchers, wireless attendants, computer operators, barrier guards, drivers, mahouts, charcutters etc. on round the year basis is must for ensuring proper protection and smooth functioning throughout the area. During monsoon the approachability inside the Tiger Reserve is greatly reduced by vehicles because of seasonal flooding at road crossings and also due to poor road conditions. During this period the only effective means of patrolling is on foot. Hence to cover the whole area more effectively by a group of 2-3 watchers per patrolling camp, additionally about 45 local persons are required to be employed during monsoon season i.e., from mid July to mid October.
Strengthening	Buffer Area: Maintenance of (staff quarters, family hostels, office improvement, house keeping buildings, museum).	16.2.1	4.2	5.0	45.00	45.000 Maintenance of existing patrolling camps/chowkis. And Other building All 3 Range Buffer Zone 45 No. * 37778.000 = 170010.000	3778.0	17.0		Maintenance of patrolling camps is required so that the staff can stay there day and night in all the seasons and tiger monitoring is regularly.
Strengthening	Buffer Area: Maintenance of Computers Accessories.	16.2.10		1.0	15.00	15.000 Maintenance of Computers Accessories. BTR Umaria Buffer Zone * 10000.000 = 150000.000	10000.0	1.50		The number of digital equipments such as computers, printers, GPS, photocopiers, facsimile machine etc. are increasing day-by-day and their maintenance and the consumables used requires good amount of money. Now-a-days these equipment are the backbone of office business. Hence, this amount is absolutely required for proper running of the offices under Bandhavgarh Tiger Reserve.
Strengthening	Buffer Area: Maintenance of Forest Guard Quarters.	16.2.1		0.0	1.00	1.000 Maintenance of Forest Guard Quarters. Range Dhamokhar, F.G. Naka, Badrehal Range Dhamokhar, F.G. Naka, Mardari * 150000.000 = 150000.000	150000.0	1.5	23.58, 80.96 23.63, 80.92	Maintenance of Forest Guard Quarters.
Strengthening	Buffer Area: Maintenance of Rangers Quarters.	16.2.1		0.0	2.00	2.000 Maintenance of Range Office Range Office Dhamokhar Range Office Panpatha * 200000.000 = 400000.000	200000.0	4.00	23.63, 80.92 23.87, 81.00	Maintenance of Rangers Quarters
Strengthening	Buffer Area: Maintenance of road network.	16.2.2	4.2	0.0	3.00	1.000 Maintenance of road network. Range Dhamokhar 77 km * 424000.000 = 424000.000 1.000 Maintenance of road network. Range Panpatha 36 km * 193000.000 = 193000.000 1.000 Maintenance of road network. Range Manpur 99 km * 550000.000 = 550000.000	424000.0 193000.0 550000.0	11.67	23.55, 80.93 23.50, 81.09 23.69, 80.83 23.86, 80.91 23.72, 81.02 23.60, 81.15	The roads which are used either for round the year patrolling or for tourism or for both the purposes; need to be upgraded because of their heavy wear and tear and sandy nature of the soil. The roads which are used either for round the year patrolling or for tourism or for both the purposes; need to be upgraded because of their heavy wear and tear and sandy nature of the soil. The roads which are used either for round the year patrolling or for tourism or for both the purposes; need to be

																			upgraded because of their heavy wear and tear and sandy nature of the soil.
nti-Poaching	Core Area: Deployment of camp labourers for patrolling.	16.1.3	4.1	371.81	280.00	280.000 Deployment of camp labourers for patrolling. Wages for labourers in patrolling camps / wireless stations/barriers, labours, Mahaouis&chara cutters computer operators and other labourers to working in different camps/offices & SepcialMansoon 280 No. * 105141.000 = 29439480.000	105141.0	294.39											In the wake of increasing threats from anti-social elements, poachers and thieves, the protection is to be done on top priority basis. Since the regular staffs is very limited, engaging local labourers as patrolling camp watchers, wireless attendants, computer operators, barrier guards, drivers, mahouts, characutters etc. on round the year basis is must for ensuring proper protection and smooth functioning throughout the area.
nti-Poaching	Core Area: Legal support for defending court cases.	16.1.13	4.5	0.50	1.00	1.000 Legal support for defending court cases. * 55000.000 = 55000.000	55000.0	0.55											To get additional legal support for defending court cases by engaging services of independent lawyers.
nti-Poaching	Core Area: Maintenance of vehicles, boats	16.1.14	4.1	30.0	142.00	71.000 POL purchases for vehicles (boats,motorbikes,mobility)Maintenance and hiring of vehicles (70 No.), boats,motorbikes, mobility) * 28169.000 = 2000000.000 71.000 Maintenance of vehicles and POL (boats,motorbikes, mobility) BTR Umaria * 28169.000 = 2000000.000	46478.0 23235.0	40.00											Under the Bandhavgarh Tiger Reserve Umaria, patrolling vehicles are carried out day and night for the protection of wildlife. POL will be required for vehicles. Most of the vehicles are old, so they need constant repairs. This amount is a complete requirement to complete the walking and maintenance cost.
nti-Poaching	Core Area: Maintenance of existing patrolling camps/chowkis and deployment of camp labourers for patrolling.	16.1.3	4.3	0.0	101.00	101.000 Maintenance of existing patrolling camps/chowkis. And Other building Range Magdhi (16 No.) Range Khitouli (24 No) Range Kallwah (9 No.) Range Panpatha (16 No) Range Patour (17 No) Range Tala (19 No) @ 6900/- each * 6900.000 = 696900.000	6900.0	6.97											Maintenance of patrolling camps are required so that the staff can stay there day and night in all the seasons and tiger monitoring is regularly.
nti-Poaching	Core Area: Maintenance of wireless tower.	16.2.3	4.1	0.0	373.00	373.000 Maintenance of wireless network. BTR Umaria (22 No. Fixed Station GPS Reading attached and 351 no. handsets) * 1750.000 = 652750.000	1750.0	6.53											The wireless network in Bandhavgarh Tiger Reserve is the most important mode of communication. Hence, continuous maintenance of the present network is necessary.
nti-Poaching	Core Area: Procurement/Maintenance of elephants squads	16.1.11	4.1	12	13.00	13.000 Maintenance of elephants and there accessories. For 8 Adults and 4 sub-adult/ juvenile Elephant * 110000.000 = 1430000.000	110000.0	14.30											To provide proper food, medicines and hygienic conditions to the elephants which are used for protection and tourism.
nti-Poaching	Core Area: Rewards to informer	16.1.12	4.5	0.50	1.000		50000.0	0.50											To gather covert information
trenghening	Core Area: Maintenance of anicuts, Stop Dam-cum-Bridge, Culvert, Irish Bridge.	16.2.5	4.2	17.5	107.00	107.000 Maintenance of anicuts, . Stop Dam-cum-Bridge, Culvert, Irish Bridge. Range Magdhi, WateHole ? 18 No. 3.60 Lakh, Range KallwahWate Hole - 27 No. 4.05 Lakh, Range Khitouli, Wate Hole - 18 No. 2.70 Lakh Range Tala, Wate Hole - 29 No. 5.25 Lakh Range Patour, Water Hole - 15 No. 2.25 Lakh * 16683.000 = 1785081.000	16683.0	17.85											To insure availability of water as much as possible throughout the area during the summer season so that the entire habitat is evenly used by the wild animals.
trenghening	Core Area: Maintenance of Deputy Ranger Quarters	16.2.1	4.2	0.0	3.00	3.000 Maintenance of Forester Quarters. Range Magdhi, RA Quarter Millii Range Kallwah, R.A. Quarter Majketa RF-Ravvnu Range Kallwah, R.A. Quarter Kallwah RF-252B * 50000.000 = 150000.000	50000.0	1.50	23.53, 81.04 23.64, 81.07 23.65, 81.13									The old existing buildings need annual maintenance.	
trenghening	Core Area: Maintenance of FD Office	16.2.1	4.2	2.0	1.00	1.000 Maintenance of FD Office Umaria * 200000.000 = 200000.000	200000.0	2.00	23.52, 80.83										The old existing buildings need annual maintenance.
trenghening	Core Area: Maintenance of Forest Guard Quarters.	16.2.1	4.2	3.0	11.00	11.000 Maintenance of Forest Guard Quarters. Range Magdhi, F.G. Naka Mardari , Range Magdhi, FG Naka Badrehal, Range Khitouli, F.G. Naka Dobha, Range Kallwah, F.G. Naka Malahara, Range Kallwah, F.G. Naka Chachpur, Range Kallwah, F.G. Naka, East Mehanwah Range Kallwah, F.G. Naka WestMehanwah, Range	50000.0	5.50	23.65, 80.98 23.68, 80.96 23.73, 80.98 23.83, 81.13 23.88, 81.18 23.84, 81.10 23.54, 81.10 23.54, 81.07 23.64, 81.07 23.57, 81.13										The old existing buildings need annual maintenance.

						Kallwah, F.G. Naka Janad, Range Kallwah, F.G. Naka South Majkhetta, Range Kallwah, F.G. Naka Madhu, Range Kallwah, F.G. Naka Norfth Kallwah * 50000.000 = 550000.000				
strengthening	Core Area: Maintenance of Hardware.	16.2.10	4.1	3.0	40.00	40.000 Maintenance of Hardware. Computers-20 Printers-10, GPS-20, Photocopiers-5, Fax machines-3, LCD Projectors-3, Cameras-10, Plotter-1, Scanner-4 * 10000.000 = 400000.000	10000.0	4.00		The number of digital equipments such as computers, printers, plotter, LCD projector, GPS, photocopiers, facsimile machine etc. are increasing day-by-day and their maintenance and the consumables used requires good amount of money. Now-a-days these equipment are the backbone of office business. Hence, this amount is absolutely required for proper running of the offices under Bandhavgarh Tiger Reserve.
strengthening	Core Area: Maintenance of Rangers Quarters.	16.2.1	4.2	4.0	1.00	1.000 Maintenance of Range Officer Quarters. Range Magdhi, R O Quarter Magdhi * 150000.000 = 150000.000	150000.0	1.50	23.63, 80.92	The old existing buildings need annual maintenance.
strengthening	Core Area: Maintenance of road network.	16.2.2	4.2	17.5	6.00	1.000 Maintenance of road network. Range Magdhi 133km * 798000.000 = 798000.000 1.000 Maintenance of road network. Range Khitouli 162 km * 812000.000 = 812000.000 1.000 Maintenance of road network Range Tala 175 km * 105000.000 = 105000.000	798000.0 812000.0 105000.0	17.15	23.63, 80.98 23.51, 81.05 23.65, 80.79 23.71, 80.96 23.71, 81.02 23.61, 81.02	The roads which are used either for round the year patrolling or for tourism or for both the purposes; need to be upgraded because of their heavy wear and tear and sandy nature of the soil.
habitat improvement	Core Area: Removal of gregarious plant growth from grasslands	16.3	4.3	32.54	13.00	5.000 Range Patour, Dholawah (Pataur B RF 411) Range Patour, ChhoteBadaBandhwa (Pataur B RF 406 Range Patour, Dahkihar (Salkhaniya P183B) Range Magdhi, Korhawah -268 Range Magdhi, Bakiyawah-246,247 (10 ha per unit) * 54000.000 = 270000.000 2.000 Range Magdhi, year 2013 Relocated Villegemagdhi 258B Range Magdhi, Relocated Villegemilli PF-298 (100 ha per unit) * 543000.000 = 1086000.000 1.000 Range Panpatha Core, Hanthijheel, RF442, RF443, RF455, 114 h * 618000.000 = 618000.000 2.000 Range Magdhi, Jobiwah-292 Range Panpatha Core, Chhulhawah, RF468 (42 ha per unit) * 228000.000 = 456000.000 1.000 Range Patour, BaimhalHar (Pataur B RF 400, 406) 5 ha * 20000.000 = 20000.000 2.000 Range Magdhi, Badbada -280,281 Range Magdhi, Chalkawah -234 (50 ha per unit) * 271000.000 = 542000.000	54000.0 543000.0 618000.0 228000.0 20000.0 271000.0	29.92	23.82, 81.05 23.81, 81.06 23.78, 80.94 23.60, 80.98 23.56, 80.98 23.58, 81.02 23.55, 81.05 23.91, 81.12 23.61, 80.98 23.93, 81.12 23.80, 81.05 23.61, 81.04 23.55, 81.01	To improve of grassland for herbivores. To improve of grassland for herbivores. Grass land improvement, wetland improvement Grass land improvement, wetland improvement Grass land improvement, wetland improvement Grass land improvement, wetland improvement
habitat improvement	Core Area: Weed eradication	16.3	4.3	24.65	36.00	2.000 Weed eradication Range Tala, Mjkheta/ Sookhi, RF 296, 5 ha Range Tala, Hardiha, Mirchani, RF 313, 5 ha * 27000.000 = 54000.000 1.000 Weed eradication Range Tala, S.Gohadi, RF 299, 6 ha * 33000.000 = 33000.000 1.000 Weed eradication Range Tala, Suariwah, RF 307, 7 ha * 38000.000 = 38000.000 2.000 Weed eradication Range Tala, Bhadrashila, RF 333, 8 ha, Range Tala, Bhadrashila, RF 334, 8 ha * 43000.000 = 86000.000 7.000 Weed eradication Range Khitouli, E.Bagdan, RF- 373 Weed eradication Range Tala, N.Gohadi, RF 309, Weed eradication Range Manpur, LeohaniHar R-273 Weed	27000.0 33000.0 38000.0 43000.0 54000.0 65000.0 76000.0 81000.0 98000.0 109000.0	11.27	23.62, 81.02 23.66, 81.06 21.64, 81.00 23.66, 81.05 23.71, 80.99 23.71, 81.00 23.69, 80.95 23.72, 80.91 23.67, 80.99 23.53, 81.19 23.49, 81.18 23.84, 81.19 23.75, 80.98 23.53, 81.22 23.70, 81.03 23.66, 81 23.68, 80.92 23.66, 81.04 23.70, 80.97 23.68, 80.88 23.66, 80.83 23.68, 81.09	At present various weed species such as, sida etc. invade grasslands. Also grasslands are encroached upon by woody species such as, Butea and Lagerstroemia etc. Some naals and rivers also drain into grasslands thereby hampering grass productivity because of sand deposition. Grasslands are prime habitat for chital, which is the major prey base of tiger, the umbrella species. Hence to maintain these existing grasslands, removal of weeds, brushwood and simultaneously taking up soil conservation measures are required so that these grasslands serve the purpose of providing good forage to herbivores.

				eradication Range Manpur, Kasaha Pataura R-279 Weed		23.66, 81.02	
				eradication Range Manpur, Vichhahai Har P-392 Weed		23.66, 81.06	
				eradication Range Manpur, Ratenha Har P-612 Weed		23.64, 81.01	
				eradication Range Manpur, Patpariha R-271, (7 No. in 10 ha. each) * 54000.000 =		23.69, 81.09	
				378000.000		23.57, 81.09	
				1.000 Weed eradication Range Tala, Seshsaiya/ Chakra dhara, RF 324, 12 ha * 65000.000 =		23.53, 81.00	
				65000.000		23.58, 80.98	
				1.000 Weed eradication Range Tala, Rejbahera/ Suariwah RF 310, 307, 14 ha * 76000.000 =		23.72, 80.90	
				76000.000		23.93, 81.13	
				1.000 Weed eradication Range Khitouli, Gedawah, RF- 362, 15 ha * 81000.000 = 81000.000		23.67, 80.90	
				1.000 Weed eradication Range Tala, Damna/Muddhoba Patch, RF 327, 18 ha * 98000.000 =		23.67, 80.98	
				98000.000		23.66, 80.98	
				2.000 Weed eradication Range Khitouli, Garhpuri, RF- 369, Weed eradication Range Khitouli, Bagdara, RF- 360, 361 (20 ha per unit) * 109000.000 =		23.92, 81.10	
				218000.000		23.77, 80.00	
	Total Recurring:						
					588.51		

S. No.	Items	(Rs. In Lakhs)	
		Sanction	Central Assistance
1.	Non-Recurring (60%)	253.15	151.89
2.	Recurring (50%)	588.51	294.25
Total		841.66	446.14

(Rs. In Lakhs)		
Cost of APO including State's share	A	841.66
Center's share in APO	B	446.14
1 st release @ 80% of Center's share	C=0.8*B	356.91
Less: Unspent balance FY 17-18	D	19.69
Adjusted 1 st release	E=C-D	337.22
2 nd release @ 20% of Center's share	F=0.2*B	89.23

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

