

No. 4-1(39)/2018-PT
Government of India
Ministry of Environment, Forest and Climate Change
Project Tiger Division

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Dated the 24th 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 Sahyadri Tiger Reserve, Maharashtra 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 Sahyadri Tiger Reserve, Maharashtra at the cost of **Rs. 550.72 Lakhs (Rupees Five hundred Fifty lacs Seventy Two thousand only)** as per details given in the table at Annexure. Of the total cost of the Scheme, **Rs. 223.71 Lakhs (Rupees Two hundred Twenty Three lakhs Seventy 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 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. 246.45 lakhs (Rupees Two hundred Forty Six lakhs Forty Five thousand only)** as the 1st installment of Central Share towards the Grants-in-aid to Government of Maharashtra 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 **Sahyadri 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 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 **Sahyadri 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 Maharashtra in respect of **Sahyadri Tiger Reserve** may furnish their performance-cum-achievement report on or before 31.3.2019.
 - (x) **Sahyadri 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 2018-19 and unspent balance, if any, will be refunded by **Government of Maharashtra** to the **Govt. of India**.
 - (xiii) Government of Maharashtra in respect of **Sahyadri 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 **Sahyadri 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 (**Sahyadri 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) 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 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 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.

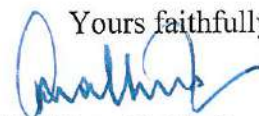
7. In accordance with the revised procedure, the Central Accounts Section, Reserve Bank of India, Nagpur, may kindly be advised to pass on credit to the books of the State Government of Maharashtra under intimation to this Department.



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)	209.49
Centrally Sponsored Scheme of Project Tiger	3601.06.789.02.01.31 (SCSP)	18.48
Centrally Sponsored Scheme of Project Tiger	3601.06.796.02.01.31 (TSP)	18.48
Total		246.45

9. This issues under the powers delegated to the Ministry and with the concurrence of Integrated Finance Division vide Dy. No. 109768/AS&FA (PG) dated 19.7.2018.

Yours faithfully,


(Dr. Vaibhav C. Mathur)
Assistant 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 2018-19 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, Sahyadri Tiger Reserve, Maharashtra.
5. The Accountant General, Maharashtra.
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)

SAHYADRI TIGER RESERVE, MAHARASHTRA
ANNUAL PLAN OF OPERATION 2018-19

Non-Recurring (Core + Buffer)

(Rs. in lakhs)

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.)			
Anti-Poaching	Buffer Area: Creation of wireless tower.	16.2.3	0	9.0	1.00	1.000 Strengthening of wireless infrastructure * 500000.000 = 500000.000	500000.00	5.00	17.257265 74.163030	In Deputy Director STR office complex at Agashivnagar Karad wireless infrastructure is required for better monitoring and having communication with the existing wireless base stations in core beats of STR. Lat 17.257265 N Long 74.163030 E Old Base Station: 0 New Base Station :01 Cost: 01x500000=500000
Strengthening	Buffer Area: Construction of ACF Quarters	16.2.1	170	0.0	2.00	2.000 Construction of ACF Quarters * 2500000.000 = 5000000.000	2500000.0	50.00	17.257574* 74.163404*	STR is a new tiger reserve; there is no residential accommodation for 2 ACFs posted at Karad. Hence to focus on the work and strengthen the protection infrastructure of STR. Construction of these two infrastructures is required. Lat : 17.257574° Long : 74.163404°
Strengthening	Buffer Area: Construction of Forest Guard Quarters.	16.2.1	170	65	6.00	6.000 Construction of Forest Guard Quarters. * 1219000.000 = 7314000.000	1219000.0	73.14	17.733967 73.759040	STR is a new tiger reserve; there is no residential accommodation for 4 Forest Guard at Bamnoli range. Hence to focus on the work and strengthen the protection infrastructure of STR. Construction of these 4 infrastructures is required. Lat : 17.733967 Long : 73.759040
Strengthening	Buffer Area: Construction of Foresters Quarters	16.2.1	170	0.0	1.00	1.000 Construction of Foresters Quarters * 1539000.000 = 1539000.000	1539000.0	15.39	17.733982 73.758989	STR is a new tiger reserve; there is no residential accommodation for 1 Foresters at Bamnoli range. Hence to focus on the work and strengthen the protection infrastructure of STR. Construction of these 1 infrastructures is required. Lat : 17.733982 Long : 73.758989
Strengthening	Buffer Area: Construction of Rangers Quarters.	16.2.1	170	0.0	1.00	1.000 Constructions o Quarters RFO * 2500000.000 = 2500000.000	2500000.0	25.00	17.257592 74.163397	STR is a new tiger reserve; there is no residential accommodation for 2 RFOs posted at Karad. Hence to focus on the work and strengthen the protection infrastructure of STR. Construction of these two infrastructures is required. Lat : 17.257592 Long : 74.163397
Strengthening	Buffer Area: Procurement of hardware, software, manpower, training, gps, etc.	16.2.11	9.2	0.0	23.00	6.000 Computer * 50000.000 = 300000.000 2.000 Laptop * 50000.000 = 100000.000 15.000 mobile phones device * 8827.000 = 132405.000	50000.000 50000.000 8827.000	5.32		As per the NTCA guidelines, to adopt M-STriPES for intensive protection and ecological status monitoring. DD office :- 01 Bamnoli Range :- 01 Koyana range :- 01 Helwak range :- 01 Chandoli range :-01 Dhebewadi range :- 01 As per the NTCA guidelines, to adopt M-STriPES for intensive protection and ecological status monitoring. ACF Koyana office :- 01 ACF Islampur office :- 01 GPS require for Geo-tagging, area calculation, Compass to navigate direction, navigate old tracks, locations, GPS Accuracy and frequency these all functions are not available with the MSTriPES App and GPS required in daily patrolling and monitoring purpose in STR.
Tiger Safari	Buffer Area: Establishment of Tiger Safari, Interpretation and awareness centres under the existing component of co-occurrence agenda in buffer and fringe areas	16.21	7.2.1.7	30	1.00	1.000 Establishment of Tiger Safari, interpretation and awareness centres * 1000000.000 = 1000000.000	1000000.00	10.00	17.249760 73.828162	Sahyadri Tiger Reserve doesn't have infrastructure for nature education and ecotourism interpretation hence it is very much required to develop one such infrastructure. This year we need funds to strengthen the constructed NIC at Paneri and to develop resource materials to display. 2017-18 APO vide letter No. GOI No. 4-1(39)/2017/PPT, DL26/09/2017 30 lakhs has been sanctioned for the construction of NIC. For the future extension and strengthening the infrastructure, information material, signages etc. funds are required in the current 2018-19 APO Lat : 17.249760 Long : 73.828162

Mainstreaming wildlife concerns	Buffer Area: Redressing man-animal conflict.	16.10.1.1	8.3	2	9.00	4.000 Organizing workshops for sensitizing local villagers * 80000.000 = 320000.000 5.000 Nature education programme rural students * 85000.000 = 425000.000	80000.000 85000.000	7.45	To raise awareness among the locals by organising workshops, nature education camps. It will help to sensitize them towards nature and natural resources and it will gradually help to develop social fence around tiger reserve, which is very crucial on protection point of view. To raise awareness among the school and college students by organising workshops, nature education camps, nature walks, treks. It will help to sensitize young generation towards nature and natural resources.
Staff welfare	Buffer Area: Provision for ration allowance to field staff	16.16		0.0	113.00	77.000 Ration Allowance for Buffer Staff * 10320.000 = 794640.000 1.000 Project allowance for RFO * 12000.000 = 12000.000 3.000 Project allowance for Forester * 10800.000 = 32400.000 21.000 Project allowance for Forest guard * 8400.000 = 176400.000 11.000 Project allowance for Forest labour * 4800.000 = 52800.000	10320.000 12000.000 10800.000 8400.000 4800.000	10.68	As per the NTCA guidelines, to encourage the frontline staff to work & Stay in remote areas. Forester - 3 Forest Guard - 21 Forest Labour - 11 Forest wages labour - 42 To encourage the frontline staff to work in remote areas as per the NTCA guidelines To encourage the frontline staff to work in remote areas as per the NTCA guidelines To encourage the frontline staff to work in remote areas as per the NTCA guidelines To encourage the frontline staff to work in remote areas as per the NTCA guidelines
Anti-Poaching	Core Area: Organizing vehicular patrolling by constituting squads (Tiger Protection Force) comprising of field 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.	16.1.4	2.1A, 2.3	9.6 (for 6 m)	240.00	240.000 Tiger Protection Force * 8500.000 = 2040000.000	8500.000	20.40	To combat poaching activities and regular patrolling of the tiger reserve, one unit of tiger protection force is required in each range. (4 Unit x 5 local labourers x 12 months x 0.0850 lakh)
Anti-Poaching	Core Area: Procurement of vehicles-against Condemned Vehicle	16.1.14		0.0	2.00	2.000 Purchase of 4WD drive vehicle * 1360000.000 = 1360000.000	1360000.000	27.2	As the terrain is very undulating and hilly, hence there is requirement of 4 wheel drive vehicle to move in field in monsoon as well. It will strengthen the patrolling in STR. Condemnation certificate attached
Anti-Poaching	Core Area: Procurement of vehicles-against Condemned Vehicle(2 Wheeler)	16.1.14	16.1.19	0.0	1.00	1.000 Purchase of motorcycle * 85000.000 = 85000.000	85000.000	0.85	For effective patrolling by the front line staff. Condemnation certificate is attached.

Strengthening	Core Area: Establishing Monitoring system for Tigers Intensive protection and Ecological Status (M-Stripes) monitoring.	16.2.14	9.2	0.0	504.00	2.000 Server Desktop for MSTRIPES Desktop modular * 80000.000 = 160000.000 500.000 MSTRIPES booklet printing * 200.000 = 100000.000 2.000 Installation & training of PDA operator * 140000.000 = 280000.000	80000.00 200.000 140000.00	5.4	As per the NTCA guidelines, to adopt M-STRIPES for intensive protection and ecological status monitoring. Server desktop higher configuration PC it will be helpful for analysis, monitoring exercise with MSTRIPES desktop module software As per the NTCA guidelines, to adopt M-STRIPES for intensive protection and ecological status monitoring. For effective implementation of MSTRIPES based Patrolling in STR. Workshop- 2x50000x5range=500000 To maintain required patrolling data at FD and DD office. 2personx12monthx20000=480000
Research and field equipment	Core Area: Day to day monitoring of wild animals	16.7	9.1	30	1.00	1.000 Wildlife Population estimation Implementation Tiger Recovery Strategy & Monitoring & Scrutiny * 4500000.000 = 4500000.000	4500000.0	45.00	With the collaboration of Wildlife institute of India, Dehradun, Tiger recovery project has been launched in the Sahyadri Tiger Reserve. Aim of this project is to study the prey base population, habitat suitability for the existence of big cats in Sahyadri. This project has been approved with vide letter No desk-22(8) wildlife CR.NO.03 (16-17)/235/2016-17 DT.28.04.2017 by Member Secretary Tiger Conservation Foundation In 2017-18 APO wide with latter no GOI No. 4-1(39)/2017/PT, Dt.25/09/2017. 30 lakhs has been sanctioned so as to continue the project for this year 2018-19 F.No.15-30(8)/2015NTCA Dated 21.12.16 funds are required. NTCA approval and MOU attached
Staff Development	Core Area: Study tours for appraisal of good practices in other reserves.	16.8.5		0.0	5.00	5.000 Study tours for members of VEDCs of Buffer villages of STR. * 200000.000 = 1000000.000	200000.00	10.00	As a exposure visits to study best practices in other VEDCs.
Project Allowance	Core Area: 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	13.4.1.2	9.74	105.00	1.000 Field Director * 24000.000 = 24000.000 1.000 Deputy Director * 18000.000 = 18000.000 3.000 Assistant C.F. * 15600.000 = 46800.000 6.000 RFO * 12000.000 = 72000.000 15.000 Forester * 10800.000 = 162000.000 50.000 Forest Guard * 8400.000 = 420000.000 18.000 Ministerial Staff Class - III * 8400.000 = 151200.000 11.000 Ministerial Staff Class - IV * 4800.000 = 52800.000	24000.000 18000.000 15600.000 12000.000 10800.000 8400.000 8400.000 4800.000	9.47	As per the NTCA guidelines, to encourage the staff to work in remote areas of the tiger reserve. As per the NTCA guidelines, to encourage the staff to work in remote areas of the tiger reserve. (1X1500X12=18000) As per the NTCA guidelines, to encourage the staff to work in remote areas of the tiger reserve. (3X12X 1300= 46800) As per the NTCA guidelines, to encourage the staff to work in remote areas of the tiger reserve. (6X12X1000= 72000) As per the NTCA guidelines, to encourage the staff to work in remote areas of the tiger reserve. (15X12X 900=162000) As per the NTCA guidelines, to encourage the staff to work in remote areas of the tiger reserve. (50X12X 700=420000) As per the NTCA guidelines, to encourage the staff to work in remote areas of the tiger reserve. (18X12X700=151200) As per the NTCA guidelines, to encourage the staff to work in remote areas of the tiger reserve. (11X12X400=52800) Peon-3 Forest Labours - 8
Staff welfare	Core Area: Provision for ration allowance to field staff.	16.16	0	5.16	50.00	50.000 Forest guard * 10320.000 = 516000.000	10320.000	5.16	As per the NTCA guidelines, to encourage the frontline staff to work and stay in remote areas. (50X12X860=516000)

	Constable									
Staff welfare	Core Area: Provision for ration allowance to field staff- Head Constable	16.16		1.55	15.00	15.000 Forester * 10320.000 = 154800.000	10320.000	1.55		As per the NTCA guidelines, to encourage the frontline staff to work & stay in remote areas. (15X12X850=154800)
	Total (Non-Recurring):							327.01		

Recurring (Core + Buffer)

(Rs. in lakhs)

Activity	Item	Para No. CSS PT Guidelines	Para No. TCP	Amount released PFY	No. of Items (Physical Target)	Current Financial Year			GPS	Justification
						Sub-item Details	Unit Price (Rs.)	Total (Financial Target)		
Anti-Poaching	Buffer Area: Ensuring special site specific protection measures during monsoon as Operation Monsoon-considering the terrain and accessibility of Protected Areas.	16.1.7	4	25.31	300	200.000 Wages for labourers engaged in protection huts * 8500.000 = 1700000.000 100.000 Wages for check naka labours (Rasalhi, Kemse, Bamnoli, Mandur Karale, Paneri, Humbarne) * 8500.000 = 850000.000	8500.000 8500.000	25.5	For the effective patrolling, daily routine beat management and 24 X 7 protections of the areas. (21 beat x 2 person x 12 months x 8500 = 4284000) To control and prevent illegal entries inside the protected area. (7 check post x 4 person x 12 months x 8500 = 2856000)	
Strengthening	Buffer Area: Maintenance of vehicles (Gypsy, Jeep, Truck, Tractor, staff car etc.).	16.2.8	1.14	6.7	18.00	9.000 Maintenance of vehicles and boats * 50000.000 = 450000 9.000 repair of vehicles and boats * 40000.000 = 360000	50000.000 40000.000	6.1	For effective movement, patrolling through road network and water bodies for better management of tiger reserve.	
Anti-Poaching	Core Area: Deployment of camp labourers for patrolling.	16.1.3	7.2.2	85.008	1104.00	912.000 Wages for labourers engaged in protection huts 2 person on each 38 camp * 8500.000 = 7752000.000 192.000 Wages for check naka labours (Ghatmatha, Rotari (Kolane) Raghuvir Ghat, tambve) * 8500.000 = 1632000.000	8500.000 8500.000	93.84	As a assistant to the Forest Guards, for effective patrolling, daily to day beat management and 24X7 protection of the areas. (2 X 12x38 x8500=7752000) To control and prevent illegal entries inside the protected area.	
Anti-Poaching	Core Area: Maintenance of vehicles, boats	16.1.14	1.14	7	28.00	3.000 Maintenance of boats * 120000.000 = 360000.000 5.000 Repair of boats * 110000.000 = 550000.000 10.000 Maintenance of vehicles * 20000.000 = 200000.000 10.000 Repair of vehicles * 15000.000 = 150000.000	120000.000 110000.000 20000.000 15000.000	12.60	For effective movement, patrolling through road network and water bodies hence for better management of the tiger reserve. (Boats- 10x120000= 1200000) For effective movement, patrolling through road network and water bodies hence for better management of the tiger reserve. (Boats - 10x110000=1100000) For effective movement, patrolling through road network and water bodies hence for better management of the tiger reserve. (Vehicles - 10x96000=960000) For effective movement, patrolling through road network and water bodies hence for better management of the tiger reserve. (Vehicles - 10x70000=700000)	

Anti-Poaching	Core Area: Maintenance of existing patrolling camps/chowkis and deployment of camp labourers for patrolling.	16.1.3	1.14	5.0	10.00	10.000 Maintenance of Protection Huts/ Check posts * 100000.000 = 1000000.000	1000000.00	10.00	It is essential do regular maintenance for 24X7 staying of front line staff at protection hut and check nakas, a way for round the clock protection of the area.
Anti-Poaching	Core Area: Maintenance of wireless tower.	16.2.3	4	17.143	83.00	80.000 Wages for wireless operator 10 stations 3 person each@ 0.085/- per month * 8500.000 = 680000.000 1.000 Strengthening of VHF * 100000.000 = 100000.000 1.000 Maintenance and repair of wireless sets annual maintenance (AMC) * 800000.000 = 800000.000 1.000 Wireless communication network royalty to Govt. of India * 100000.000 = 100000.000	8500.000 100000.00 800000.00 100000.00	16.8	Maintenance of existing wireless base stations. It is required for better communication in remote locations. For effective communication in remote and inaccessible areas. Annually for wireless communication royalty has to be deposited.
Strengthening	Core Area: Maintenance of fire lines and firebreaks.	16.2.6	3	7.897	420.00	120.000 Firelines cutting and burring * 2624.000 = 314880.000 200.000 Firelines cutting and burring * 1450.000 = 290000.000 50.000 Firelines cutting and burring * 2624.000 = 131200.000 50.000 Firelines cutting and burring * 1450.000 = 72500.000	2624.000 1450.000 2624.000 1450.000	8.09	To mitigate fire hazards and effectively control the spread of forest fires. Timely clearing of firelines is required. A class (120km X 8md X 328= 314880) To mitigate fire hazards and effectively control the spread of forest fires. Timely clearing of firelines is required. B class (200km X 4.42md X 328 = 290000) To mitigate fire hazards and effectively control the spread of forest fires. Timely clearing of firelines is required in Buffer area A class (50km X 8md X 328= 131200) To mitigate fire hazards and effectively control the spread of forest fires. Timely clearing of firelines is required in Buffer area B class (50km X 4.42md X 328= 72500)
Strengthening	Core Area: Maintenance of kuccha roads	16.2.2	7.2.1	1.0 (for nature trail)	101.00	100.000 nature trail * 2000.000 = 200000.000 1.000 Maintenance of existing roads * 2000000.000 = 2000000.000	2000.000 2000000.00	22.00	Its important to maintain existing natural trails, for foot patrolling in the tiger reserve and same natural trails are used by the wild fauna as well. (100km x 2000per/km = 200000) Post monsoon it is very essential to do maintenance of existing road for effective patrolling & movement in the field. Chandoli Khurd Protection Hut to Nandoli Gate Compt.No.12 to 23 Length of Road- 40km with 5 C.D.works
Mainstreaming wildlife concerns	Core Area: Monitoring of wild animals.	16.10.1.3	9	0.0	1.00	1.000 Wildlife population estimation * 500000.000 = 500000.000	500000.00	5.00	It is required to educate and do capacity building of the frontline staff in the field of Estimation of wildlife population by day to day monitoring, techniques, mock exercise on line transect, camera trapping. To conduct phase IV monitoring twice a year.
Habitat Improvement	Core Area: Grass land improvement, wetland improvement	16.3	7.2.1	2.28	180.00	180.000 Cutting alternate strips in grass land * 3280.000 = 590400.000	3280.000	5.90	To remove alternate strips in grassland area it helps to improve of grassland and better habitat management. (38 beats) (180 Ha x 10 m.d per ha. X 328 = 590400)
Habitat Improvement	Core Area: Removal of gregarious plant growth from	16.3	7.2.1	9	330.00	180.000 Removal of lantiana, parthenium and	5000.000	10.48	Eradication of weeds and unwanted scrubs from the meadows helps in improvement of grassland and better habitat management.

	grasslands					other invasive weeds from the infested area of core area * 5000.000 = 900000.000 150.000 Removal of unwanted scrubs from meadow area * 984.000 = 147600.000	984.000			(180ha X 5000per/ha = 900000) Eradication of weeds and unwanted scrubs from the meadows helps in improvement of grassland and better habitat management. (150ha X 3md X 328 = 147600)
Habitat Improvement:	Core Area: Water retention structures	16.3	7.2.1	2.5	54.00	50.000 Maintenance of existing water holes * 6000.000 = 300000.000 4.000 New water hole creations * 60000.000 = 240000.000	6000.000 60000.000		5.40	Regular de-siltation and cleaning of waterholes are required for availability of the water in the summers as well. (50 x 6000each waterhole = 300000) Strategically creation of new water holes to avoid water scarcity in pinch period. (4qly x 60000per waterhole = 240000)
	Total (Recurring):								223.71	

(Rs. In Lakhs)

S. No.	Items	Sanction	Central Assistance
1.	Non-Recurring (60%)	327.01	196.21
2.	Recurring (50%)	223.71	111.85
	Total	550.72	308.06

(Rs. In Lakhs)

Cost of APO including State's share	A	550.72
Center's share in APO	B	308.06
1 st release @ 80% of Center's share	C=0.8*B	246.45
Less: Unspent balance FY 17-18	D	---
Adjusted 1 st release	E=C-D	246.45
2 nd release @ 20% of Center's share	F=0.2*B	61.61

* 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.