

No. 4-1(18)/2018-PT
Government of India
Ministry of Environment, Forest and Climate Change
Project Tiger Division

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Dated the 28 August, 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 Similipal Tiger Reserve, Odisha during 2018-19 –reg.

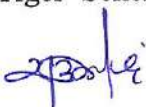
Sir,

I am directed to convey the administrative approval of the competent authority to the continuance of the Scheme 'Project Tiger' in Similipal Tiger Reserve, Odisha at the cost of **Rs. 1283.49 Lakhs (Rupees One thousand Two hundred Eighty Three lakhs Forty Nine thousand only)** as per details given in the table at Annexure. Of the total cost of the Scheme, **Rs. 902.38 Lakhs (Rupees Nine hundred Two lakhs Thirty Eight thousand only)** being the recurring cost of the scheme will be shared on 50:50 basis by the **Government of India** and **Government of Odisha**. 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 Odisha.

2. I am also directed to convey the sanction of the President to the payment and release of an amount of **Rs. 514.91 lakhs (Rupees Five hundred Fourteen lakhs Ninety One thousand only)** as the 1st installment of Central Share towards the Grants-in-aid to Government of Odisha 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 **Similipal 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 Odisha** 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 **Similipal 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 Odisha in respect of **Similipal Tiger Reserve** may furnish their performance-cum-achievement report on or before 31.3.2019.
- (x) **Similipal 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 Odisha** 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 Odisha** to the **Govt. of India**.
- (xiii) Government of Odisha in respect of **Similipal 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 **Similipal 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 (**Similipal Tiger Reserve**) and **Government of Odisha**.
- (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.
- (xxxvi) **All labour payments strictly by DBT and an evaluation report by a 3rd party before release of 2nd installment.**

4. As the annual budget of the Scheme is approved by the Central Government, the Government of Odisha 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 Odisha under intimation to this Department.

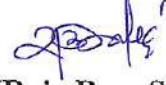


8. The expenditure incurred is adjustable to the Demand No. 27 (Ministry of Environment, Forest and Climate Change) under the following heads during the Financial Year 2018-19 :

Scheme	Budget Head	Amount (Rs. in lakhs)
Centrally Sponsored Scheme of Project Tiger (General)	3601.06.101.02.01.31	360.705
Centrally Sponsored Scheme of Project Tiger (SCSP)	3601.06.789.02.01.31	102.982
Centrally Sponsored Scheme of Project Tiger (TSP)	3601.06.796.02.01.31	51.223
Total		514.91

9. This issues under the powers delegated to the Ministry and with the concurrence of Integrated Finance Division vide Dy. No. 111420/AS&FA (PG) dated 23.8.2018.

Yours faithfully,



(Raja Ram Singh)

Assistant Inspector General of Forests (PT)

Copy to:-

1. The Secretary (Forests), Govt. of Odisha. 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 Odisha.
3. The Principal Chief Conservator of Forests / Chief Wildlife Warden, Govt. of Odisha.
4. The Field Director, Similipal Tiger Reserve, Odisha.
5. The Accountant General, Odisha.
6. The Director of Audit, Scientific Department, AGCR Building, IP Estate, New Delhi.
7. The IGF/AIGF, 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.



(Raja Ram Singh)

Assistant Inspector General of Forests (PT)

**SIMILIPAL TIGER RESERVE, ODISHA
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.)		
Strengthening	Buffer Area: Procurement of hardware, software, manpower, training, gps, etc.	16.2.11	9.1	4.0	2.00	2,000 Hardware : Computers, Camp equipment, Solar-wind powered energy support Software: GIS, Manpower: DEOs, GIS Analyst Training: Frontline staff training on use of fire arms, Census monitoring, habitat management, rescue operation, law and enforcement, ecotourism * 500000.000 = 1000000.000	500000.000	10.00	For smooth monitoring, reporting and analysis of patrolling data, protection activity and wildlife activities
Staff Development	Buffer Area: Specialized training in park interpretation.	16.8.7	5.4	1.0	5.00	5,000 Capacity building of front line staff, Guide and EDC member of buffer ranges on wildlife conservation, ecotourism and Protected Area Management * 40000.000 = 200000.000	40000.000	2.00	Capacity building of front line staff, Guide and EDC member of buffer ranges on wildlife conservation, ecotourism and Protected Area Management
Staff welfare	Buffer Area: Provision for ration allowance to field staff	16.16	8.4	10.84	105.00	105,000 Ration allowance @ 860 per month or 10320 per year. To front line staff for Baripada, Karanjia & Rairangpur Division * 10320.000 = 1083600.000	10320.00	10.84	For all the front line regular staff of Core Division, Baripada Division, Karanjia Division, Rairangpur Division. The allotment of 2018-19 is hereunder - Baripada - Rs. 485040/- Karanjia- Rs. 299280/- Rairangpur- Rs. 299280/- TOTAL Rs. 1083600/-
Staff welfare	Buffer Area: Supply of mosquito net/ field kit	16.16	8.4	2.13	820.00	820,000 820 front line staff for both core and buffer * 300.000 = 246000.000	300.000	2.46	As Similipal is highly prone to malaria and other vector-borne diseases.
Eco-Development	Buffer Area: Basic health care/ Health Camps for Staffs.	16.16	6.3	0.0	1.00	1,000 Creation of Alternate livelihood options through micro plan based activities in all 65 buffer and 12 corridor village taking 15 villages annually and technical/ material support for plan period. * 1275000.000 = 1275000.000	1275000.000	12.75	Creation of Alternate livelihood options through micro plan based activities in all 65 buffer and 12 corridor village taking 15 villages annually and technical/ material support for plan period.
Eco-Development	Buffer Area: To carry out prophylactic immunization of cattle in and around Tiger Reserve.	16.10	6.3	17.50	7.00	7,000 Livelihood promotions including cattle immunization in 50 fringe villages of buffer division * 70000.000 = 490000.000	70000.000	4.90	Eco development initiatives for alternative livelihoods for fringe villages and immunization and vaccination to cattle and fodder cultivation etc. Through Eco Development Committees
Anti-Poaching	Core Area: Procurement of field gear, night vision device etc	16.1.15	12.4.2	15.09	503.00	503,000 Khaki cloth, Field Gear and Uniform Shoes: 125 Regular staff and 378 Protection Assistant, vulnerable camps. Rain coat and mosquito net for monsoon period. Pant Shirt 3mr. 20cm = 1200/- Shoes- 1600/- Lathi - 250/- Cap - 200/- Mosquito Net- 200/- Rain coat - 1000/- TOTAL - 4450/- * 4450.000 = 2238350.000	4450.000	22.38	For effective foot patrolling, protection, monitoring in the tiger Reserve. Field gears are as per Odisha Forest Code.
Anti-Poaching	Core Area: Procurement of vehicles- against Condemned Vehicle	16.1.14	8.4	0	4	4,000 Procurement of new 4 WD Vehicles for Rangers/ACF/ Enforcement unit against condemned vehicles to be used inside Similipal Tiger Reserve * 1000000.000 = 4000000.000	1000000	40.00	To monitor an 2750 sq. km of hilly terrain of Similipal landscape, 4WD vehicles are necessarily to be purchase by STR against condemnation. Prevailing road conditions and non-availability of 4WD vehicle on hire basis is hampering vehicle movement in inaccessible areas and during long monsoon.
Anti-Poaching	Core Area: Providing	16.1.1	10.3	160.00	1.00	1,000 1 platoon or 112 STPF personnel * 1500000.000 =	1500000.000	150.00	Salary, Allowances raising infrastructure and

	support to tiger reserves for raising, arming and deploying Special Tiger Protection Force (STPF).					1500000.000				maintenance of STPF including new recruitment. Details of previous financial year 2018-19 Salary, Allowance, Raising Infrastructure and maintenance of STPF
Strengthening	Core Area: Establishing Monitoring system for Tigers Intensive protection and Ecological Status (M-Stripes) monitoring.	16.2.14	7.2.5.4	17.80	178.00	178.000 Establishing Monitoring system for Tigers Intensive protection and Ecological Status (M-Stripes) monitoring. * 12000.000 = 2136000.000	12000.000	21.36		20 Range, 60 Sections, 177 Beats are part of Simlipal Tiger Reserve area. For effective tiger monitoring, Foot patrolling and 178 line transect data collection.
Strengthening	Core Area: Procurement of Geographical Information System (GIS).	16.2.10	9.6	2.50	1.00	1.000 Engagement of GIS Analysis * 300000.000 = 300000.000	300000.000	3.00		Engagement of 1 GIS Analyst and to update GIS software with accessories
Strengthening	Core Area: Procurement of Hardware.	16.2.10	9.5 and 9.6	5.00	15.00	15.000 procurement of VHF sets, Computers and peripherals Solar/ GPS * 60000.000 = 900000.000	60000.000	9.00		VHF base station/ P.P. Sets procurement for strengthening communication. Replacement of old Solar batteries and plates. Procurement of GPS for the field Staff. Procurement of laptop for Camera Trap image procuring
Strengthening	Core Area: Procurement of Software.	16.2.10	9.6	2.40	7.00	7.000 DEOs and Antivirus and update software * 96000.000 = 672000.000	96000.000	6.72		Updating of computer OS/antivirus/ Analysing software for effective monitoring and analysis
Research and field equipment	Core Area: Day to day monitoring of wild animals	16.7	7.1	3.00	1.00	1.000 1 Research officer for prey base monitoring in respect to grassland management * 400000.000 = 400000.000	400000.000	4.00		One Research Fellow having Ph.D. qualification has been engaged for meadow improvement, monitoring of Flora and Fauna & purchase grass cutter for meadow development work inside STR
Mainstreaming wildlife concerns	Core Area: Capturing problematic and aberrant wild animals.	16.10.1.2	11.2	10.00	1.00	1.000 Engagement of Mobile Veterinary Unit * 1000000.000 = 1000000.000	1000000.000	10.00		To provide technical support for managing transient animals, treating the diseased cases, Support the vaccination and veterinary health camps and health profiling of the captive elephant
Staff Development	Core Area: Study tours for appraisal of good practices in other reserves.	16.8.5	8.4	2.10	30.00	30.000 30nos staffs * 15000.000 = 450000.000	15000.000	4.50		Exposure visit for frontline staff to outside State Protected Area and other Tiger Reserve for capacity building on the topics like protection, Wildlife monitoring, patrolling, eco-tourism, botanisation, intelligence gathering.
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	12.4	39.00	1.00	1.000 Project allowance for all staff * 3700000.000 = 3700000.000	3700000.000	37.00		For all the staff of FD STR, Core Division, Baripada Division, Karanja Division, Rairangpur Division. The Allotment for 2018-19 is hereunder- STR - 1600000.00 Baripada - 800000.00 Karanja- 700000.00 Rairangpur- 600000.00 Total - 3700000.00
Staff welfare	Core Area: Provision for ration allowance to field staff	16.16	12.4	12.90	125.00	125.000 Ration Allowance * 10320.000 = 1290000.000	10320.00	12.90		For all the front line regular staff of Core Division, Baripada Division, Karanja Division, Rairangpur Division. The Allotment for 2018-19 is hereunder- STR - 1290000.00
Staff welfare	Core Area:	16.16	7.2.5.1	7.56	97.00	97.000 72 nos Antipoaching Camp	15000.00	14.56		Antipoaching squad

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	Supply of field kit					and 25nos Manchan for each * 15000.000 = 1456000.000				requirement vide solar power energy back-up, water filters, tracker devices P.P. sets, home-light systems, Tarpaulin, Tent equipment, utensil etc.
Staff welfare	Core Area: Supply of medicine	16.16	8.4	0.0	550.00	550.000 Anti-malarial, Anti-inflammatory, anti-pain medicine kits * 500.000 = 275000.000	500.000	2.75		Similipal landscape is highly prone to Malaria. Because of the job requirement, accidental cause and vector borne diseases, the medicine supply and test kits are required.
	Total (Non-Recurring):							381.11		

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.)			Total (Financial Target)
Anti-Poaching	Buffer Area: Maintenance of elephant squads.	16.1.11	11.1	18.00	1.00	1.000 Maintenance of 6 captive elephants and Dog squad * 2000000.000 = 2000000.000	2000000.0	20.00	Maintenance of 6 captive elephants and Dog squad, Feeding and medicine charges of captive elephants and Dogs, wages of Mahouts and Dog handler	
Anti-Poaching	Buffer Area: Maintenance of field gear, night vision device.	16.1.15	10.2	10.53	250.00	250.000 Khaki clothe, Shoe, Binoculars Field Gear and Uniform Shoes: 105 Regular staff and 246 Protection Assistant, Binoculars 20 nos. for 20 vulnerable camps. * 4450.000 = 1112500.000	4450.000	11.13	For effective foot patrolling, protection, monitoring in the tiger Reserve. Khaki uniform as per the forest code Rs 294/mt, Rs 1600/ per shoe, Rs.5500/ per binocular, Rs.10000/- per GPS	
Strengthening	Buffer Area: Maintenance of (staff quarters, family hostels, office improvement, house keeping buildings, museum).	16.2.1	11.6	9.00	20.00	20.000 Repairing of existing establishment * 300000.000 = 6000000.000	300000.000	6.00	21.94, 86.72 21.76, 85.97 22.25, 86.16	Repairing and Maintenance of existing staff quarter
Strengthening	Buffer Area: Maintenance of road network.	16.2.2	10.1	23.18	140.00	140.000 155 km of road length inside core, Annual maintenance including bush cutting, side drain cutting, stone pitching with murrum spreading in special repair stretches * 20000.000 = 2800000.000	20000.000	28.00	Baripada Division : Manabhanga to Banjhikusum(15Km), Baniabasa to Kulpal(18 Km), Nedam to Baribeda(10Km),Taldiha to Devkund(8 Km) /KaranjiaDivision: Kalikaprasad to Cudgudiar(10Km), Kendumundi to Sealdah(13Km), Ranibhol to Kandadhenu(18Km), Budhigam to Kandhenu(15Km)//RairangpurDivision: Tulasibani to Brundaban(22Km), Talabandha to Chahale(12.5 Km). Barehipani to Kolha(13 Km)	
Strengthening	Buffer Area: Maintenance of vehicles (Cypsy, Jeep, Truck, Tractor, staff car etc.).	16.2.8	10.2	6.0	3.00	3.000 Repairing of Govt. Vehicle * 300000.000 = 900000.000	300000.000	9.00	Repairing of Govt. Vehicle & Purchase of POL etc.	
Anti-Poaching	Core Area: Deployment of camp labourers for patrolling.	16.1.3	7.2.5.1	484.5	570.00	570.000 Local Youths on Minimum Daily wage@200/- per day and EPF 13.5%, with ESI and service tax and charges to be engaged through outsourcing. * 85000.000 = 4845000.000	85000.000	484.50	Total area of Similipal is 2750 Sq. KM out of which core area is 1194 Sq. Km. A total no. of 64villages in buffer and 1 village in Core put heavy pressure on the STR. The total number of camps 109nos and Manchan 25nos in STR protects Similipal from poachers, unauthorised entries, prevent Akhand Shikar. Because of the hostile terrain, inaccessible area and	

										acute-malaria prone area, there is requirement of higher No. of staffs per camp. All the squads are providing additional support to the regular field Staff in protection and other activities.
Anti-Poaching	Core Area: Legal support for defending court cases.	16.1.13		1.0	1.00	1.000 Expenditure on legal issues * 150000.000 = 150000.000	150000.000	1.50		Expenditure on providing legal support on various wildlife cases and other legal matter.
Anti-Poaching	Core Area: Maintenance of vehicles, boats	16.1.14	4.7.6.2	18.20	15.00	15.000 15 nos vehicles are in position in Core Division * 150000.000 = 2250000.000	150000.000	22.50		15 vehicles for cost of HSD @ 150 lit per vehicle per month and annual maintenance and repair of vehicles change of tyres, spare parts etc.
Anti-Poaching	Core Area: Maintenance of existing patrolling camps/chowkis and deployment of camp labourers for patrolling.	16.1.3	7.2.5.1	10.00	40.00	40.000 40 camps and 5 numbers attach toilet with solar pump watering with 1 digging of tube well at Chahala * 50000.000 = 2000000.000	50000.000	20.00	21.98, 86.29	Annual maintenance of selected 40 existing camps, addressing of water problem, maintenance of solar powered home light system Other GPS location are here under:- 21.65, 86.30/ 21.94, 86.56/ 21.82, 86.41/ 21.88, 86.38/ 21.73, 86.36/ 21.73, 86.28
Anti-Poaching	Core Area: Maintenance of wireless tower.	16.2.3	4.7.6.3	4.00	40.00	40.000 40 Nos VHF maintenance with solar panels and cable and batteries * 30000.000 = 1200000.000	30000.000	12.00		VHF Wireless is the only mode of communication. Maintenance of base-station, transition of technology from analog to digital, power back-up maintenance, tower management are required.
Anti-Poaching	Core Area: Rewards to informers.	16.1.12	12.4	3.0	30.00	30.000 Intelligence collection through local people. * 10000.000 = 300000.000	10000.000	3.00		Number of informers to be raised from 14 numbers to 30 numbers during this year and to be rewarded. A token money reward of 2000/- per month encourages them to provide information including mobile recharge and conveyance costs.
Strengthening	Core Area: Maintenance of (patrolling camp, culverts)	16.2.1	7.2.5.1	3.0	10.00	10.000 Repair of culverts * 80000.000 = 800000.000	80000.000	8.00		Maintenance of Culverts inside STR area after monsoon so as to ensure round the year road connectivity. Because of terrain, high rainfall many culverts get damaged in monsoon other GPS location are follows- 21.82, 86.41/ 21.88, 86.38/ 21.73, 86.36/ 21.73, 86.28/ 21.98, 86.29
Strengthening	Core Area: Maintenance of Beat Office	16.2.1	7.2.5.1	0.0	20.00	20.000 Maintenance of Beat Office inside STR * 25000.000 = 500000.000	25000.000	5.00	21.65, 86.30 21.94, 86.56 21.82, 86.41 21.88, 86.38 21.73, 86.36 21.73, 86.28	Maintenance of Beat Office inside STR Other GPS location are given below- 21.65, 86.30/ 21.94, 86.56/ 21.82, 86.41/ 21.88, 86.38/ 21.73, 86.36/ 21.73, 86.28
Strengthening	Core Area: Maintenance of bridges.	16.2.5	4.7.6.1	3.0	40.00	40.000 The requirement of maintenance of wooden bridge for ensuring connectivity after monsoon. It will ensure protection, patrolling and wildlife monitoring * 20000.000 = 800000.000	20000.000	8.00		The requirement of maintenance of wooden bridge for ensuring connectivity after monsoon. It will ensure protection, patrolling and wildlife monitoring
Strengthening	Core Area: Maintenance of dams.	16.2.5	4.7.6.1	2.0	10.00	10.000 Waterbodies and water harvesting structures general maintenance, apron and wing maintenance * 20000.000 = 200000.000	20000.000	2.00	21.82, 86.41 21.88, 86.38 21.73, 86.36 21.73, 86.28 21.98, 86.29	Maintenance of existing water bodies, WHS and wing maintenance. Other GPS location are given below:- 21.82, 86.41/ 21.88, 86.38/ 21.73, 86.36/ 21.73, 86.28/ 21.98, 86.29
Strengthening	Core Area: Maintenance of DD/DFO Quarters.	16.2.1	7.2.5.1	0.0	1.00	1.000 Maintenance of DD Quarter * 300000.000 = 300000.000	300000.000	3.00		Maintenance of Deputy Director Quarter at Baripada

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Strengthening	Core Area: Maintenance of FD Office	16.2.1	7.2.5.1	0.0	1.00	1.000 Maintenance of Field Director, Office * 200000.000 = 200000.000	200000.000	2.00		Maintenance of Field Director Office at Baripada
Strengthening	Core Area: Maintenance of FD Quarters.	16.2.1	7.2.5.1	0.0	1.00	1.000 Maintenance of FD quarter * 200000.000 = 200000.000	200000.000	2.00		Maintenance of Field Director quarter at Baripada
Strengthening	Core Area: Maintenance of Forest Guard Quarters.	16.2.1	7.2.5.1	0.0	8.00	8.000 Maint. of FG Qtr * 25000.000 = 200000.000	250000.000	2.00	21.94, 86.56 21.82, 86.41 21.88, 86.38 21.73, 86.36 21.73, 86.28 21.98, 86.29	Maintenance of existing Forest Guard Quarter inside STR. Other GPS location are given below- 21.94, 86.56/ 21.82, 86.41/ 21.88, 86.38/ 21.73, 86.36/ 21.73, 86.28/ 21.98, 86.29
Strengthening	Core Area: Maintenance of Foresters Quarters	16.2.1	7.2.5.1	0.0	12.00	12.000 Maint. of Forester Qtr * 25000.000 = 300000.000	250000.000	3.00	21.94, 86.56 21.82, 86.41 21.88, 86.38 21.73, 86.36 21.73, 86.28 21.98, 86.29	Maintenance of existing Forest Guard Quarter inside STR. Other GPS location are given below- 21.94, 86.56/ 21.82, 86.41/ 21.88, 86.38/ 21.73, 86.36/ 21.73, 86.28/ 21.98, 86.29
Strengthening	Core Area: Maintenance of Hardware.	16.2.10	8.3	2.0	1.00	1.000 Lumpsum expenditure in maintenance of computers and peripherals. * 300000.000 = 300000.000	300000.000	3.00		For smooth monitoring reporting and analysis of patrolling, protection activity and wildlife activities
Strengthening	Core Area: Maintenance of Range Office	16.2.1	7.2.5.1	0.0	4.00	4.000 Maintenance of Range Office inside STR * 25000.000 = 100000.000	250000.000	1.00	21.65, 86.30 21.94, 86.56 21.82, 86.41 21.88, 86.38 21.73, 86.36 21.73, 86.28	Maintenance of Range Office inside STR Other GPS location are given below- 21.65, 86.30/ 21.94, 86.56/ 21.82, 86.41/ 21.88, 86.38/ 21.73, 86.36/ 21.73, 86.28
Strengthening	Core Area: Maintenance of Rangers Quarters.	16.2.1	7.2.5.1	0.0	4.00	4.000 Maintenance of Ranger Quarter * 25000.000 = 100000.000	250000.000	1.00	21.94, 86.56 21.82, 86.41 21.88, 86.38 21.73, 86.36 21.73, 86.28 21.98, 86.29	Maintenance of existing Ranger Quarter inside STR. Other GPS location are given below- 21.94, 86.56/ 21.82, 86.41/ 21.88, 86.38/ 21.73, 86.36/ 21.73, 86.28/ 21.98, 86.29
Strengthening	Core Area: Maintenance of road network.	16.2.2	4.7.6.1	60.00	495.00	495.000 600 kms of road length inside core, Annual maintenance including bush cutting, side drain cutting, stone pitching with murrum spreading in special repair stretches * 15000.000 = 7425000.000	15000.000	74.25	21.82, 86.41 21.88, 86.38 21.73, 86.36 21.73, 86.28 21.98, 86.29	STR has more than 1000KM of road network. Out of which 600KM length of important road to be taken up for annual maintenance in this year which includes bush cutting, side drain cutting stone-pitching with murrum spreading in specific stretches
Strengthening	Core Area: Maintenance of Software.	16.2.10	8.3	2.0	1.00	1.000 Lumpsum expenditure in maintenance of software for computers and peripherals * 300000.000 = 300000.000	300000.000	3.00		For smooth day to day monitoring and reporting.
Strengthening	Core Area: Maintenance of Toilets	16.2.1	7.2.5.1	0.0	12.00	12.000 Maintenance of toilet inside STR * 50000.000 = 600000.000	500000.000	6.00	21.65, 86.30 21.94, 86.56 21.82, 86.41 21.88, 86.38 21.73, 86.36 21.73, 86.28	Maintenance of Toilet inside STR Other GPS location are given below- 21.65, 86.30/ 21.94, 86.56/ 21.82, 86.41/ 21.88, 86.38/ 21.73, 86.36/ 21.73, 86.28
Strengthening	Core Area: Creation of fire lines and fire breaks.	16.2.6	7.2.5.2	40.80	900.00	900.000 1360 kms (910 Km in core+ 450 Kms in buffer fireline and 19 squads@ 10 person squad for each range in Core Division(7 Ranges) and Buffer Division (12 Ranges) with	4000.000	36.00	21.94, 86.56 21.82, 86.41 21.88, 86.38	STR is highly vulnerable to Forest Fire. 6 mtrs width fire lines are maintained for prevention of fire STR is having rugged terrain, inaccessible area with high

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						equipment, etc. * 4000.000 = 3600000.000			21.73, 86.36 21.73, 86.28 21.98, 86.29	vulnerability to anthropocentric forest fire. It requires effective forest fire management. Other GPS : 21.94, 86.56/ 21.82, 86.41/ 21.88, 86.38/ 21.73, 86.36/ 21.73, 86.28/ 21.98, 86.29
Staff Development	Core Area: Capacity building and training.	16.8.1	8.4	2.50	5.00	5.000 Training: Frontline staff training on use of fire arms, Census monitoring, habitat management, rescue operation, law and enforcement, ecotourism * 80000.000 = 400000.000	80000.000	4.00		Capacity building of staff in census technique, habitat and grassland improvement, law enforcement, rescue and rehabilitation technique, ecotourism management
Staff welfare	Core Area: Maintenance of torch/ batteries	16.16	8.4	1.50	100.00	100.000 High Beamed Torch * 1500.000 = 150000.000	1500.000	1.50		For foot patrolling during night.
Habitat Improvement	Core Area: Grass land improvement, wetland improvement	16.3	5.6.5	25.0	300.00	300.000 Segment cutting of improved meadows by cutting of grasses 2 in a year in the month of July-August and November, December. Imperata, Themeda, Bothiclor, Setara, Chrysopogous, Paspalidum, Andropogon, Cynodon. * 8000.000 = 2400000.000	8000.000	24.00		Less than 1% of STR is under meadow management, for prey base augmentation development of meadow and management of palatable grasses are important. To maintain the spatio-temporal availability of grasses for fodder and cover, segment cuttings twice a year is prescribed.
Habitat Improvement	Core Area: Removal of gregarious plant growth from grasslands	16.3	5.6.5	30.0	300.00	300.000 Removal of gregarious plant growth to avoid further squeezing of meadows by removing the Frost-affected Sal, saplings and other weedy growth like Syzigium nervosuses, Caseria graveolens in post monsoon. * 15000.000 = 4500000.000	15000.000	45.00	21.94, 86.56 21.82, 86.41 21.88, 86.38	To retain the original area and composition of existing meadows by removal of Gregarious plant growth to avoid further squeezing of meadows by removing the frost-affected Sal sapling and Syzigium nervosuses, Caseria graveolens in Post Monsoon
Habitat Improvement	Core Area: Water retention structures	16.3	11.5	15.0	1.00	1.000 Sub-Surface diaphragm to retain the SMC and Maintenance of crocodile Pool * 3300000.000 = 3300000.000	3300000.000	33.00	21.94, 86.56 21.82, 86.41 21.88, 86.38 21.73, 86.36 21.73, 86.28 21.98, 86.29	These sub-surface WHS are helpful in ensuring Spatio-temporal availability of moisture in the neles by ensuring the checking of sub-surface flow of water in the pinch period
Habitat Improvement	Core Area: Weed eradication	16.3	5.6.5	18.0	150.00	150.000 Uprooting of invasive weed growth like Chromolaena, odorata, Azeratum, conyzoides, Parthenium, Lantana, Stachytarpheta Indica. * 12000.000 = 1800000.000	12000.000	18.00	21.65, 86.30 21.94, 86.56 21.94, 86.56 21.82, 86.41 21.88, 86.38	To keep the habitat free from weed and check further invasion of weed, 03year continuous intervention is required in the taken-up area. Chromolaena, odorata, Ageratum, conyzoides, Parthenium, Lantana, Stachytarpheta Indica.
	Total (Recurring):							902.38		

(Rs. In Lakhs)

S. No.	Items	Sanction	Central Assistance
1.	Non-Recurring (60%)	381.11	228.66
2.	Recurring (50%)	902.38	451.19
	Total	1283.49	679.85



(Rs. In Lakhs)		
Cost of APO including State's share	A	1283.49
Center's share in APO	B	679.85
1 st release @ 80% of Center's share	$C=0.8*B$	543.88
Less: Unspent balance FY 17-18	D	28.97
Adjusted 1 st release	$E=C-D$	514.91
2 nd release @ 20% of Center's share	$F=0.2*B$	135.97

*** 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.**



