

No. 4-1(39)/2019-PT
Government of India
Ministry of Environment, Forest and Climate Change
Project Tiger Division

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Dated the 9th July, 2019

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 2019-20 –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. 792.68 Lakhs (Rupees Seven hundred Ninety Two lakhs Sixty Eight thousand only)** as per details given in the table at Annexure. Of the total cost of the Scheme, **Rs. 338.66 Lakhs (Rupees Three hundred Thirty Eight lakhs Sixty Six 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. 353.39 lakhs (Rupees Three hundred Fifty Three lakhs Thirty Nine thousand only)** as the 1st installment of Central Share towards the Grants-in-aid to Government of Maharashtra during the current financial year 2019-20. 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,

N. V. 9/7/19

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, 1971 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, 1971 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 31.3.2020.
- (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 2019-20 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) **Funds for POL / maintenance of vehicles would be admissible only for the vehicles purchased from CSS funds.**

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- (xxiv) **Compensation for loss due to wildlife is to supplement the State Government fund as per the rules of State Government.**
- (xxv) GFR is followed by implementing agency alongwith the economic instructions issued by Government of India from time to time.
- (xxvi) Satellite photo with date and latitude and longitude nodes after completion of work depicting the work carried out before and after the work.
- (xxvii) Evidence of deposit of TDS/Service Tax in case of contract payment and CST in case of leviable goods are sent along with UC.
- (xxviii) In case of employment through contract, copy of PF & ESI contributions of employees shall be obtained wherever applicable.
- (xxix) 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.
- (xxx) 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.
- (xxxi) There should not be any overlapping of activities under the projects with the activities of ongoing schemes under CSS/CS/State Government Scheme.
- (xxxii) The sanction order must mention measurable physical parameters and all measurable parameters are to be adhered to.
- (xxxiii) The fixed asset created out of this grant shall not be disposed off without concurrence of this Ministry.
- (xxxiv) A separate bank account shall be opened for the purpose and the account shall be open for audit by Central Government or C&AG.
- (xxxv) All guidelines under the project is to be followed scrupulously.
- (xxxvi) 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.
- (xxxvii) 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.
- (xxxviii) All labour payments strictly by DBT.

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.

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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 2019-20 :

Scheme	Budget Head	Amount (Rs. in lakhs)
Centrally Sponsored Scheme of Project Tiger	3601.06.101.02.01.31 (Gen)	300.39
Centrally Sponsored Scheme of Project Tiger	3601.06.789.02.01.31 (SCSP)	26.50
Centrally Sponsored Scheme of Project Tiger	3601.06.796.02.01.31 (TSP)	26.50
Total		353.39

9. This issues under the powers delegated to the Ministry and with the concurrence of Integrated Finance Division vide Dy. No. 124217/AS&FA (PG) dated 05.07.2019.

Yours faithfully,

Nishant Verma 9/7/19
(Nishant Verma)

Deputy Inspector General of Forests (PT)

Copy to:-

1. The Secretary (Forests), Govt. of Maharashtra. A copy of the detailed sanction letter issued by the State Government in respect of this scheme for 2019-20 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. 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.

Nishant Verma 9/7/19
(Nishant Verma)

Deputy Inspector General of Forests (PT)

**SAHYADRI TIGER RESERVE, MAHARASHTRA
ANNUAL PLAN OF OPERATION 2019-20**

**Annexure
(Rs. in lakhs)**

Sr. No.	Item	Para of CSS-PT Guidelines	TCP Para	Previous Year Details (2018-19)				Current Year Proposal (2019-20)				Justification	G.P.S. location Latitude and Longitude		
				Physical		Financial		Physical Target		Location					
				Target	Achievement	Target	Achievement	Target	Achievement	Location	Physical Target	Total			
A	NON-RECURRING 60-40 %														
	CORE														
1)	Antipoaching Activities														
i	Tiger Protection Force (2 units each of 5 with local labourers) 12 Months	16.1.4	21A.2.3	S.T.R	240.0	240.0	20.40	18.7680		S.T.R	4 Unit x 5 local labourers x 12 months x 0.105	25.20			
ii	Patrolling squad (1 unit of 5 local labourers) 12 months. (Mobile Squad)	16.1.5		S.T.R	0.0	0.0	0.00	0.0		S.T.R.	1 Unit x 5 local labourers x 12 months x 0.105	6.30			
iii	Constructions of Protection huts (5 nos.)	16.1.3	1.14	S.T.R	0.0	0.0	0.00	0.0		1) Kandat 2) Pimpri 3) Valvan 4) Ambeghar 5) Takavali	Kandat - 1, Pimpri - 1, Valvan - 1, Ambeghar - 1, Takavali - 1.	75.00			
2)	Project Allowances														
i	Field Director - 01	16.15	13.4.1.2	S.T.R	1	1	0.24	0.2400		Koyana W.L.S.	1 X 12X0.02	0.24			
ii	Deputy Director - 01				1	1	0.18	0.1800			1X12X0.015	0.18			
iii	Divisional Forest Officer - 01				0	0.0	0.00	0.0000			1X12X0.015	0.18			

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9/9/19*

iv	Assistant C.F. - 05											0.76		
v	Range Forest Officer - 06											0.72	5X12X0.013	
vi	Sectional Engineer - 01											0.16	6X12X0.01	
vii	Forester - 15											1.62	1X12X0.013	
viii	Forest Guard - 50											4.20	15X12X0.009	
ix	Driver - 2, Launch Tandel 01, Launch Driver 01 Total 04											0.34	50X12X0.007	
x	Ministerial Staff Class - III - 15 (1- CA, 4- A/C, 7- Clerk, 1- Steno typist, 2- Surveyor)											1.26	4X12X0.007	
xi	Ministerial Staff Class - IV - 11 (1- Peon, Vanrajgour - 10)											0.53	15X12X0.007	
3)	Ration Allowance for Core Staff													
i	Forester - 15	16.16	S.T.R.			8	3	3	3	0.47	0.4680	1.55	15 x 12 x 0.00860	As per the NTCA guidelines, to encourage the frontline staff to work & stay in remote areas.
ii	Forest Guard - 50					21	3	3	3	0.72	0.6000	5.16	50 x 12 x 0.00860	
iii	Vanrajgour - 11					0	1	1	1	0.16	0.1560	0.00	11 x 12 x 0.00860	
4)	Research Monitoring													
i	Study Tours	16.8.5	STR			0	6	6	6	0.00	0.0	3.00	5	To expose Officers and frontline staff, the best practices going on in other tiger reserves across country.
ii	Organising 'study tours and workshops for members of VEDCs	16.8.5	STR			5	5	5	5	10.00	10.0000	3.00	5	To raise awareness among the locals by organising workshops, nature education camps, study tours to other VEDCs. It will help to sensitize them towards nature and natural resources and gradually leads to develop social fence around tiger reserve, which is very crucial for protection point of view.
iii	Capacity Building of frontline staff. a) Organising workshops for staff about operation of PDA.		S.T.R.			15.00	15.00	15.00	15.00	1.32	1.324	2.00	2 work shops x 4 range X 0.80	For capacity building and personality development of frontline staff.

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9/7/19

iv	d) Specialized training in jurisprudence and wildlife forensics for field staff	16.8.4		STR	0	0.0	0.00	0	STR	1 trainings X 4 range X 0.50	2.00	
v	g) Training of all beat guards of Sahyadri Tiger Reserve	16.2.11		STR	0	0.0	0.00	0	STR	2 trainings X 4 range X 0.60	4.00	
5	Day to day monitoring of wild animals											
i	Publications books/ field guides	16.2.18		STR	0		0.00	0	STR	50	2.00	Information booklets for frontline staff.
6	Mainstreaming wildlife concern.											
i	Purchase of camera traps, batteries and memory cards for the monitoring of the tigers.	16.10.3	9.1 of core plan	STR	0	0.0	0.00	0	STR	L.S.	5.00	It is essential to carry out phase IV and regular camera trap monitoring and eventually understanding faunal status and to formulate their management strategy.
	Monitoring of Wildlife											
7	Implementation of M-STRIPES											
i	Desktop Computers - 8	16.2.14	9.2	STR	2	6.0	1.60	3.000	STR	4 @ 0.60	2.40	As per the NITCA guidelines, to adopt M-stripes for intensive protection and ecological status monitoring.
8	Strengthening of wireless infrastructure											
i	Batteries for base stations	16.1.7		STR	0.00	0.00	0.00	0.00	STR	20	3.00	To strengthen the wireless communication in the STR for better communication with the field staff.
ii	Installation of wireless towers	16.2.1		STR	1.00	1.00	5.00	5.00	STR	2 @ 3.00 iacs each	6.00	To strengthen the wireless communication in the STR for better communication with the field staff.
	Total of NON-RECURRING (CORE)						54.03	46.5268	0.0000	80	156.94	
B.	BUFFER											

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1	Antipoaching Activities	16.2.1	170	Agashivnagar	2 @25.00 lacs	2.0	25.00	50.0	Agashivnagar	2 No. X 7.21 lacs	14.41	N17°45'26.52" E74°9'38.92"
i	Constructions of Staff Quarters Type III Range forest officer	16.2.1	170	Agashivnagar	1 No. X 25 lacs	1.0	50.00	25.0	Agashivnagar	1 No. X 7.20 lacs	7.21	N17°45'26.52" E74°9'38.92"
ii	Constructions of ACF Quarters Type III	16.2.1	170	Agashivnagar	4 No. X 12.19	4.0	73.14	43.46	Bammoli	4 No. X 9.967	45.17	N17°43'50.9" E 73°45'38.9"E
iii	Constructions of Forest Guard Quarters Bammoli Type I	16.2.1	170	Bammoli	1 No. X 15.39	1.0	15.39	15.4	Bammoli	1 No. X 12.01	12.01	N17°43'51.3" 73°45' 38.5"E
iv	Constructions of Round Officer Quarters Bammoli Type II	16.2.1	170	Bammoli	2 No. X 12.19	2.0	12.19	12.19	Helwak	2 No. X 12.19	31.49	17°22'37N 73°43' 44"E
v	Constructions of Forest Guard Quarters Helwak Type I											
3	Project Allowances											
i	Range Forest Officer - 01	16.16		STR	Range Forest Officer - 01	1.0	0.12	0	S.T.R.	1x12x0.01	0.12	To encourage the frontline staff to work in remote areas as per the NTCA guidelines
ii	Forester - 3				Forester 01	1	0.32	0		3x12x0.009	0.32	
iii	Forest Guard -21				Forest Guard - 07	7	1.76	2		21x12x0.007	1.76	
4	Ration Allowance for Buffer Staff	16.16										
i	Forester - 3	16.16		STR	Forester -1 Forest Guard -7	3 21	0.32 1.76	0.310 2.167	S.T.R.	13 x 12 x 0.00860 21 x 12 x 0.00860	0.31 2.17	As per the NTCA guidelines, to encourage the frontline staff to work & Stay in remote areas.
ii	Forest Guard -21											
5	Redressing man animal conflict											
i	Organising workshops for sensitizing local villagers in buffer areas.	16.10.1.1	8.3 of Buffer Plan	STR	4 Workshops	0.0	3.20	3.2	S.T.R.	2 workshops X 5 ranges X 0.40 lacs each.	4.00	To raise awareness among the locals by organising workshops, nature education camps. It will help to sensitize them towards nature and natural resources and gradually leads to develop social fence around tiger reserve, which is very crucial for protection point of view.
ii	Nature education programme rural students	16.10.1.1	8.3 of Buffer Plan		5.000		4.25	4.3	S.T.R.	10 no.	4.50	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.
iii	Wildlife days celebrations	16.21.1			0	0.0	0.00	0	S.T.R.	1 no.	3.00	Mass awareness programme in society to support tiger conservation.

Number 9/719

													tiger reserve.	
ii	Purchase of Patrolling Vehicle							0.0	0.00	0.0	Patan, Karad, Wai, Mahabaleshwar, Medha, Satara	1	14.00	Dedicated Four wheel drive patrolling unit for regular patrolling in the adjoining areas outside tiger reserve. Condemnation certificate is attached. To strengthen patrolling squad unit.
iii	Purchase of equipments and accessories for the patrolling squad.							0.0	0.00	0.0	Patan, Karad, Wai, Mahabaleshwar, Medha, Satara	50	3.00	
2	Redressing man animal conflict													
ii	Nature education programme rural students	16.10.1.1							0.00		Patan, Karad, Wai, Mahabaleshwar, Medha, Satara	10 no	4.00	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.
i	Organizing workshops / awareness campaigns for sensitizing local villagers. (6 X 5 X 0.50 lacs each)	16.10.1.1					0	0.0	0.00	0.0	Patan, Karad, Wai, Mahabaleshwar, Medha, Satara	Patan - 5, Karad - 5, Wai - 5, Mahabaleshwar - 5, Medha - 5, Satara - 5, (0.30 lacs each)	9.00	To raise awareness among the locals by organising workshops, nature education camps. It will help to sensitize them towards nature and natural resources and gradually leads to develop social fence around tiger reserve, which is very crucial for protection point of view.
ii	Capacity building workshop for field staff.	16.8.1					0	0.0	0.00	0.0	Patan, Karad, Wai, Mahabaleshwar, Medha, Satara	Patan - 1, Karad - 1, Wai - 1, Mahabaleshwar - 1, Medha - 1, Satara - 1, (0.30 lacs each)	1.80	For capacity building and personality development of frontline staff.
iii	Information Boards/ Signages. (2.75x6)										Patan, Karad, Wai, Mahabaleshwar, Medha, Satara	2	0.50	For information among locals and awareness generations.
iv	Short movies/ Audio clips.										Patan, Karad, Wai, Mahabaleshwar, Medha, Satara	10 no	2.00	For information among locals and awareness generations.
vi	RRU team. (1 unit X 5 persons X 12 months X 0.105 lacs)										Patan, Karad, Wai, Mahabaleshwar, Medha, Satara	1 Unit x 5 persons x 12 months x 0.105 lacs	6.30	A dedicated learnt unit is required for timely addressing wildlife human conflict, wildlife

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 9/2/19

vii	RRU unit equipments and accessories. (Tranquilizer gun, medicines, etc.)				0	0.0	0.00	0.0	Patan, Karad, Wai, Mahabaleshwar, Medha, Satara	L.S.	4.00	To strengthen the RRU unit.	
viii	Livelihood trainings to adjoining villages.			0	0.0	0.00	0.0	0.0	Patan, Karad, Wai, Mahabaleshwar, Medha, Satara	20 villages of Mahabaleshwar Rs. 25 each	5.00	To generate alternate livelihood and to reduce dependency of locals on the forest and forest resources.	
ix	Organizing study tours to see best practices in other divisions in and outside state.	16.8.5		0	0.0	0.00	0.0	0.0	Patan, Karad, Wai, Mahabaleshwar, Medha, Satara	6	3.00	To expose Officers and frontline staff, the best practices going on in other tiger reserves across country.	
x	Purchase and installing solar pump	16.3.3		0	0.0	0.00	0.0	0.0	Patan, Karad, Wai, Mahabaleshwar, Medha, Satara	6 Nos. @1.50	9.00	To make water available to the wildlife in the pinch period.	
xi	Solar powered borewell with circular water tank in Patan, Karad, Wai, Mahabaleshwar, Medha, Satara Range (3 water holes in each Range)	16.10.5		0	0.0	0.00	0.0	0.0	Patan, Karad, Wai, Mahabaleshwar, Medha, Satara	4 water holes x 6 range x 1.20 lakh	25.20	To make water available to the wildlife in the pinch period.	
3	Capturing problematic and aberrant wild animals.												
i	Purchase of cages, nets, rope ladders, search lights, etc.	16.10.2		0	0.0	0.00	0.0	0.0	Patan, Karad, Wai, Mahabaleshwar, Medha, Satara	L.S.	7.50	To rescue the distress and problematic wildlife.	
4	Monitoring of wildlife												
i	Purchase of camera traps, memory cards, batteries, GPS etc.	16.10.3		0	0.0	0.00	0.0	0.0	Patan, Karad, Wai, Mahabaleshwar, Medha, Satara	50	10.50	For regular monitoring of the wildlife and to conduct phase IV outside tiger reserve.	
ii	Strengthening of wireless infrastructure	16.2.3		0	0.0	0.00	0.0	0.0	Patan, Karad, Wai, Mahabaleshwar, Medha, Satara	1 network	10.00	For strengthening the communication in the remote areas.	
Total of NON-RECURRING OUTSIDE TIGER RESERVE AREA													
Non - Recurring (Core + Buffer + Outside Tiger Reserve area) RECURRING (50 : 50 %)													
293.29													
249.716													
0.0000													
CORE													
Anti Poaching													
i	Wireless communication network royalty to Govt. of India	16.2.3	Chapter 4 of Security Plan	STR	1 network	1.0	1.00	1.00	S.T.R	1 Network	1.00	Annually for wireless communication royalty has to be deposited.	

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ii	Wages for wireless operator 10 base stations 2 person each.					7x36=90@0.0805	82.0	6.80	6.8		10 base stations x 2 person x 12 months @ 0.105 lacs	12.60	Continuous working of the wireless base stations.	
iii	Maintenance and repair of wireless sets annual maintenance (AMC)					Ls		8.00	8.0		50 sets	6.00	For effective communication in remote and inaccessible areas.	
iv	Strengthening of VHF					LS		1.00	1.0	S.T.R	LS	1.00	It is required for better communication in remote locations.	
v	Wages for data entry operator at division level. (3 operators)									S.T.R	3 persons X 12 months X 0.105 lacs each	3.78	Data entry operator for monitoring of wildlife population estimation, phase IV monitoring, coordination and collection of data from the ranges.	
vi	Wages for labourers engaged in protection huts 2 person on each 38 camp = 38 beats X 2 person = 76 person.	16.1.3	7.2.2 of core Plan		STR	38 beat x 2 person x 12 months x 0.0805	0.0	77.52	77.52	S.T.R	38 beat x 2 person x 12 months x 0.105	95.76	As a assistant to the Forest Guards, for effective patrolling, daily beat to management and 24X7 protection of the areas.	
vii	Wages for check naka labours (4 checknaka X 4 person X 12 months) (Melindavali, Rutki)					4 check naka x 3 person x 12 month x 0.0805	0.0	16.32	16.32		2 check naka x 4 person x 12 month x 0.105	10.01	To control and prevent illegal entries inside the protected area.	
viii	Wages for driver of vehicle (4 drivers X 12 months)	16.1.12			STR	0.000	0.0	0.00	0.00		6 drivers X 12 months X 0.105	7.56	These vehicles are used in protection and monitoring. Very few regular staff available.	
ix	Wages for driver + helper of motor boat (1 driver + 2 helpers)	16.1.12				0.000	0.0	0.00	0.00		3 persons X 12 months X 0.105 lacs each	3.78	These motor boats are used in protection and monitoring. Very few regular staff available.	
x	Maintenance of Protection Huts/ Check posts etc. Rs. 0.25 per PH/CP. 8 each year	16.1.3	1.14		STR	Rs. 1.0 per PH/CP. @20 each year	4.000	10.00	10.000	1) Dicholi 2) Awasari 3) Mel Indoli 4) Raghuvver Ghat 5) Vele	1.0 lac per PH/CP. @5 each year	13.00	It is essential to do regular maintenance for 24X7 staying of frontline staff at protection hut and check nakas, a way for round the clock protection of the area.	
xi	Maintenance of residential and other administrative buildings.	16.2.1.4								1) Rasati 2) Koyana	L.S.	5.00	Routine maintenance works.	
2	Maintenance / repair of vehicles and boats													
i	Petrol Vehicle - 2	16.1.14	1.14		STR	Petrol - 1	Petrol - 1	3.60	3.600	S.T.R.	Petrol - 1	1.50	For effective movement, patrolling through road network	
ii	Diesel Vehicles - 10					Diesel - 5	Diesel - 5	5.50	5.500		Diesel - 10	6.00		

mev 9/7/19

iii	Motor Boat - 6				Motor boat - 3	Motor boat - 3	3.50	3.500		Motor boat - 5	4.00	and water bodies hence for better management of the tiger reserve.	17°14.5.70"N
													73°46.00"E
iv	Motorcycles 1				0.0	0.0	0.00	0.000		Motorcycle - 1	0.25		17°13.10.60"N
													73°49.9.40"E
3	Firelines cutting and burning												17°10.39.80"N
													73°52.25.70"E
													17°
													73°5.14.7.80"E
													743.70"N
													73°5.14.7.80"E
													17°
													73°49.9.80"E
													77.40"N
													17°31.26.70"N
													73°48.10"E
													17°25.35.90"N
													73°49.5.60"E
17°44.21.35"N													
73°35.4.31"E													
17°40.34.43"N													
73°46.36.81"E													
17°35.42.00"N													
73°48.59.00"E													
17°34.38.71"N													
73°49.19.31"E													
17°31.26.70"N													
73°44.8.10"E													
17°25.35.90"N													
73°49.9.60"E													
17°12.29.00"N													
73°47.29.00"E													
17°10.46.61"N													
73°50.37.40"E													
17°10.53.21"N													
73°50.42.66"E													
17°7.43.70"N													
73°51.4.7.80"E													
17°29.13.30"N													
73°43.45.20"E													
17°29.22.00"N													
73°47.38.10"E													
17°26.23.00"N													
73°47.13.80"E													
17°25.13.90"N													
73°45.9.50"E													
17°44.28.00"N													
73°34.31.00"E													
17°35.45.00"N													
73°48.57.00"E													
17°34.46.00"N													
73°49.18.00"E													

Chapter 3 of Security Plan

200 Km x 4.42 md x 0.00392 per day

To mitigate fire hazards and effectively control the spread of forest fires. Timely clearing of firelines is required.

To mitigate fire hazards and effectively control the spread of forest fires. Timely clearing of firelines is required.

North-south

iii	Engagement of fire watchers for 2.5 months (01.04.2019 to 15.06.2019)	16.2.6					0.000	0.0	0.00	0.00	S.T.R.	50 persons X 45 days X 0.00392	8.82	STR is having hilly terrain, here adjoining villages have habit of igniting fire in their agriculture land, which speedily spreads to the forest hence a dedicated fire fighting unit is required for timely and effectivity addressing fire incidences.		
iv	Engagement of firewatchers for 2.5 months (15.01.2020 to 31.03.2020)		0.000	0.0	0.00	0.00	0.000	0.0	0.00	0.00		50 persons X 45 days X 0.392	8.82	STR is having hilly terrain, here adjoining villages have habit of igniting fire in their agriculture land, which speedily spreads to the forest hence a dedicated fire fighting unit is required for timely and effectivity addressing fire incidences.		
4	Habitat Improvement															
i	Removal of gregarious plant growth from grasslands Removal of lantana, parthenium and other invasive weeds from the infested area of core area part 75 ha. @ 0.10 lacs per ha.	16.3					180.0	236.0	9.00	9.0	S.T.R.	250 ha. @ 10 m.d. per ha x 0.00392	9.00	Eradication of weeds and unwanted scrubs from the meadows helps in improvement of grassland and better habitat management.	17°13'2.50"N 73°44'4.70"E	
ii	Removal of unwanted scrubs from meadow area and planting of fodder species.	16.3					150.0	150.0	1.48	1.4760	S.T.R.	200 ha. @ 20 m.d. per ha x 0.00392	15.68	Eradication of weeds and unwanted scrubs from the meadows helps in improvement of grassland and better habitat management.	17°16'33.30"N 73°43'23.00"E 17°8'18.00"N 73°43'25.70"E	
															17°9'52.30"N 73°44'26.80"E	
															17°5'49.98"N 73°46'11.78"E	
															17°7'3.82"N 73°46'56.54"E	
															17°6'58.50"N 73°49'2.80"E	
															17°7'24.90"N 73°50'25.40"E	
															17°11'13.62"N 73°50'32.30"E	
															17°11'1.50"N 73°51'40.60"E	

number 9/7/19

Strengthening of natural trails 200 km @ 0.02 per km	16.2.2	7.2.1 of Core Plan	S.T.R.	100.0000	273.0000	2.00	2.0000	S.T.R.	100 km @ 0.02 per km	2.00	Its important to maintain existing natural trails, for foot patrolling in the tiger reserve and same natural trails are also used by the wild fauna as well.	17° 8'39.60"N 73° 43'32.20"E
												17° 7'9.40"N 73° 44'19.40"E
												17° 5'58.26"N 73° 46'11.78"E
												17° 7'47.80"N 73° 46'30.30"E
												17° 7'39.0"N 73° 48'44.80"E
												17° 7'28.30"N 73° 51'11.60"E
												17° 1'40.10"N 73° 51'2.50"E
												17° 12'13.67"N 73° 52'11.91"E
												17° 18'29.70"N 73° 42'14.53"E
												17° 14'56.20"N 73° 44'0.69"E
												17° 29'13.00"N 73° 43'44.80"E
												17° 31'26.00"N 73° 44'8.20"E
												17° 30'7.60"N 73° 44'47.60"E
												17° 28'56.00"N 73° 46'13.00"E
												17° 28'51.90"N 73° 46'40.00"E
												17° 44'37.33"N 73° 38'3.26"E
												17° 44'31.24"N 73° 35'7.04"E
												17° 44'31.24"N 73° 35'7.04"E
												17° 45'15.63"N 73° 35'47.00"E
												17° 44'15.50"N 73° 35'47.16"E
												17° 45'31.64"N 73° 39'9.10"E
												17° 45'26.20"N 73° 39'53.75"E
												17° 40'20.46"N 73° 44'12.94"E
												17° 40'12.83"N 73° 46'18.98"E
												17° 40'30.41"N 73° 46'36.81"E
												17° 39'18.68"N 73° 46'57.54"E

Number 9/219

	Maintenance of existing water holes	16.3	7.21 of Core Plan	STR	50 Water holes at rate 0.05 each	50	3.00	3.00	S.I.R.	55 Water holes at rate 0.05 each	3.30	Regular desiltation and cleaning of waterholes are required for availability of the water in the summers as well.	17°39'54.86"N 73°48'23.76"E
													17° 9'52.50"N 73°42'49.90"E
													17° 8'36.50"N 73°43'28.20"E
													17° 7'17.10"N 73°46'5.50"E
													17° 5'49.98"N 73°46'11.78"E
													17° 5'48.98"N 73°46'11.78"E
													17°19'33.70"N 73°40'42.40"E
													17°16'57.30"N 73°41'50.60"E
													17°10'39.60"N 73°42'0.70"E
													17°11'11.00"N 73°42'45.80"E
													17°14'28.20"N 73°43'53.80"E
													17°12'48.28"N 73°44'4.20"E
													17°11'34.80"N 73°44'39.10"E
													17°14'28.70"N 73°44'58.90"E
													17°15'50.10"N 73°45'21.00"E
													17°17'19.90"N 73°46'34.90"E
													17°29'23.80"N 73°43'53.30"E
													17°31'26.70"N 73°44'8.10"E
													17°26'44.00"N 73°45'24.00"E
													17°26'48.00"N 73°45'37.00"E
													17°26'48.00"N 73°45'37.00"E
													17°32'3.00"N 73°46'17.20"E
													17°31'5.60"N 73°46'15.90"E
													17°31'4.90"N 73°46'31.50"E
													17°28'60.00"N 73°46'29.90"E
													17°28'44.00"N 73°45'24.00"E
													17°28'48.00"N 73°45'37.00"E
													17°42'46.99"N 73°34'37.66"E

marked plots

	Humbarnej																																		
2	Maintenance / repair of vehicles and boats																																		
	i	Petrol vehicle - 2	16.28	1.14	S.T.R	Petrol - 1	1.0	1.80	1.8	S.T.R	Petrol - 1	1.00	For effective movement, patrolling through road network and water bodies for better management of tiger reserve.																						
																					ii	diesel vehicles - 4	4	6.0	1.44	1.44	S.T.R	Diesel - 10	1.50						
																														iii	Motor Boat - 0	2	2.0	2.00	2.00
	Maintenance of firelines and firebreaks																																		
3	Firelines cutting and burning																																		
	i	A' Class (40 Km)	16.23	Chapter 3 of Security plan	S.T.R	50	50	1.31	1.312	S.T.R	100 Km x 8 md x 0.00392 per day	3.14	To mitigate fire hazards, timely clearing of firelines leads to effective control on the spread of forest fires.																						
																						17°13'27.30"N													
																						73°50'29.50"E													
																						17°14'47.00"N													
																						73°51'2.60"E													
																						17°14'32.90"N													
																						73°51'24.20"E													
																						17°14'42.50"N													
																						73°51'14.30"E													
																						17°9'49.50"N													
																						73°52'58.30"E													
																						17°9'49.40"N													
																						73°52'58.00"E													
																						17°10'59.20"N													
																						73°53'33.70"E													
17°11'12.80"N																																			
73°53'41.20"E																																			
17°10'29.60"N																																			
73°54'18.80"E																																			
17°10'51.90"N																																			
73°54'30.90"E																																			
17°16'27.70"N																																			
73°45'23.60"E																																			
17°17'58.51"N																																			
73°45'25.10"E																																			
17°17'48.40"N																																			
73°45'47.50"E																																			
17°18'6.19"N																																			
73°45'51.47"E																																			
17°18'6.19"N																																			
73°45'51.57"E																																			

work 9/10/19

											17°17'43.50"N 73°46'22.30"E
											17°16'13.00"N 73°47'29.01"E
											17°16'9.00"N 73°47'31.07"E
											17°16'32.00"N 73°47'39.30"E
											17°16'39.01"N 73°47'45.61"E
											17°16'16.02"N 73°47'48.00"E
											17°15'24.00"N 73°48'5.07"E
											17°15'25.40"N 73°48'7.60"E
											17°15'6.60"N 73°48'35.80"E
											17°14'57.80"N 73°50'9.80"E
								49.69			
TOTAL OF RECURRING (BUFFER)											
C	OUTSIDE TIGER RESERVE AREA										
i	Engagement of fire watchers for 1.5 month (15.2.2020 to 31.03.2020)	16.2.6				0	0.0	32.777			Patana, Karad, Wai, Mahabaleshwar, Medha, Satara
ii	Engagement of fire watchers for 1.5 month (1.04.2019 to 30.06.2019)	16.2.5				0	0.0	0.0			Mahabaleshwar-20, Wai-25, Satara-20, Patana-20, Karad-15, Medha-10 total 110 . @ 0.08 x 1.5 month
							0.00	0.0			Mahabaleshwar-20, Wai-25, Satara-20, Patana-20, Karad-15, Medha-10 total 110 . @ 0.08 x 3 month
	Monitoring of wildlife										
i	Data entry operators for monitoring at division level (1 X 12 months X 0.12 lacs)					0	0.0	0.00	0.0	Satara Division	1 person X 12 months
											1.44
											Data entry operator for monitoring of wildlife population estimation, phase IV monitoring, coordination and collection of data from the ranges.

Neelkanth 9/2/19

ii	Wildlife population estimation	0	0.0	0.00	0.0	Patlan, Karad, Wai, Mahabaleshwar, Medha, Satara	1	3.00	For information and awareness generations.
iii	Publication books/field guides	0	0.0	0.00	0.0		1	0.75	Mass awareness and information among locals to support tiger conservation.
iv	Wildlife days Celebrations	0	0.0	0.00	0.0		1	0.75	information among locals to support tiger conservation.
v	Study of migratory Corridors from Koyna Wildlife Sanctuary/ Sahyadri Tiger Reserve with Special reference to Jor-Jambhal Valley (Maharashtra)	0	0.0	0.00	0.0		1	2.00	Its important corridors which connects northern part of STR with Satara forest division, hence its important to conduct scientific studies
TOTAL OF RECURRING (OUTSIDE TIGER RESERVE AREA)				0.00	0.0000		4	47.54	
				200.85	200.8460		4	338.66	
Recurring (Core + Buffer + Outside Tiger Reserve Area)				494.14	450.5576		4	792.68	
Grand total (Non-recurring + recurring) including flexi fund									

(Rs. In Lakhs)

S. No.	Items	Sanction	Central Assistance
1.	Non-Recurring (60%)	454.02	272.41
2.	Recurring (50%)	338.66	169.33
	Total	792.68	441.74

(Rs. In Lakhs)

Cost of APO including State's share	A	792.68
Center's share in APO	B	441.74
1 st release @ 80% of Center's share	C=0.8*B	353.39
Less: Unspent balance P.F.Y of	D	-
Adjusted 1 st release	E=C-D	353.39
2 nd release @ 20% of Center's share	F=0.2*B	88.35

* 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.

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