

**F. No. 4-1(39)/2021-PT**  
**Government of India**  
**Ministry of Environment, Forest and Climate Change**  
**Project Tiger Division**  
**\*\*\*\*\***

**B-1 Wing, 7<sup>th</sup> Floor,**  
**Pt. Deendayal Antyodaya Bhawan,**  
**CGO Complex, Lodhi Road,**  
**New Delhi – 110003**

**Dated the 17<sup>th</sup> September, 2021**

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 2021-22–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. 493.26 Lakhs (Rupees Four Hundred Ninety Three Lakhs Twenty Six thousand Only)** as per details given in the table at Annexure. Of the total cost of the Scheme, **Rs. 181.73 Lakhs (Rupees One Hundred Eighty One lakhs Seventy Three 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. 129.80 lakhs (Rupees One Hundred Twenty Nine lakhs Eighty thousand only)** as the 1<sup>st</sup> installment of Central Share towards the Grants-in-aid to Government of Maharashtra during the current financial year 2021-22. 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, 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 31.3.2022.
  - (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 2021-22 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.
- (xxiv) **Funds will not be diverted for any item other than specified herein.**
- (xxv) **Funds to be spent only on items approved in Tiger Conservation Plan (TCP).**
- (xxvi) Compensation for loss due to wildlife is to supplement the State Government fund as per the rules of State Government.
- (xxvii) GFR is followed by implementing agency alongwith the economic instructions issued by Government of India from time to time.
- (xxviii) Satellite photo with date and latitude and longitude nodes after completion of work depicting the work carried out before and after the work.
- (xxix) Evidence of deposit of TDS/Service Tax in case of contract payment and CST in case of leviable goods are sent along with UC.
- (xxx) In case of employment through contract, copy of PF & ESI contributions of employees shall be obtained wherever applicable.
- (xxxi) 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.
- (xxxii) 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.
- (xxxiii) There should not be any overlapping of activities under the projects with the activities of ongoing schemes under CSS/CS/State Government Scheme.
- (xxxiv) The sanction order must mention measurable physical parameters and all measurable parameters are to be adhered to.
- (xxxv) The fixed asset created out of this grant shall not be disposed off without concurrence of this Ministry.
- (xxxvi) A separate bank account shall be opened for the purpose and the account shall be open for audit by Central Government or C&AG.
- (xxxvii) All guidelines under the project is to be followed scrupulously.
- (xxxviii) 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.
- (xxxix) 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.
- (xl) All labour payments strictly by Direct Benefit Transfer (DBT).
- (xli) **All guidelines of Project Tiger Schemes are followed by concerned tiger reserve and Expenditure Evaluation Report on the expenditure incurred viz. proposed activities and result achieved may be furnished before release of 2<sup>nd</sup> installment.**
- (xlii) **The gate -money collected is made fully available to Tiger Foundation of the Tiger Reserve/ Protected Area/ National Park/Sanctuary by State Government as per rule and past years dues are paid by 30th September.**

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 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. 25 (Ministry of Environment, Forest and Climate Change) under the following heads during the Financial Year 2021-22:

<b>Scheme</b>	<b>Budget Head</b>	<b>Amount (Rs. In lakhs)</b>
Centrally Sponsored Scheme of Project Tiger	3601.06.101.02.01.31 (Gen)	103.80
Centrally Sponsored Scheme of Project Tiger	3601.06.789.02.01.31 (SCSP)	13.00
Centrally Sponsored Scheme of Project Tiger	3601.06.796.02.01.31 (TSP)	13.00
<b>Total</b>		<b>129.80</b>

9. This issues under the powers delegated to the Ministry and with the concurrence of Integrated Finance Division vide Dy. No. 161914/SS&FA (PG) dated 13.09.2021.

Yours faithfully,



**(Rajendra G. Garawad)**  
**Deputy Inspector General of Forests (PT)**  
Tel. No. +91 11 2436 7837-39  
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**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 2021-22 may kindly be furnished to this Ministry at the earliest.
2. The Secretary (Finance), Govt. of Maharashtra.
3. The Principal Chief Conservator of Forests / Chief Wildlife Warden, Govt. of Maharashtra.
4. The AIGF, NTCA RO, Nagpur.
5. The Field Director, Sahyadri Tiger Reserve, Maharashtra.
6. The Accountant General, Maharashtra.
7. The Director of Audit, Scientific Department, AGCR Building, IP Estate, New Delhi.
8. Forest Finance Division, MoEF&CC, New Delhi.
9. Plan Finance Division (PF-II), Ministry of Finance, New Delhi.
10. Guard file/Spare copies.



**Annual Plan of Operation Year 2021-22  
For Seeking Central Assistance Under C.S.S - Sahyadri Tiger Reserve, Kolhapur (Maharashtra)**

(Amount in Lakhs)

Sr. No.	Item	Para of CSS-PT Guidelines	TCP Para	Previous Year (2020-21)				Current Year Proposal (2021-22)				Justification	
				Location/ GPS	Physical		Financial		Location/ GPS	Physical Target	Unit Cost		Financial Target
					Target	Achievement	Target	Achievement					
1	2	3	4	5	6	7	8.00	9.00	10	11	12	13.00	14
<b>A</b>	<b>CORE NON- RECURRING 60:40 %</b>												
<b>1)</b>	<b>Antipoaching Activities</b>												
i	Tiger Protection Force (4 units each of 5 with temporary labourers) 12 Months	16.1.4	2.1A, 2.3 Security Plan	S.T.R	120	73	16.56	8.03	Koyand WLS and Chandoli National Park	10 local labourers x 12 months = 120 labourers	0.105	12.60	To combat poaching activities and regular patrolling of the tiger reserve, one unit of tiger protection force is required in each range. As STR doesnot have special tiger protection force.
ii	Patrolling squad (1 unit of 5 temporary labourers) 12 months (Mobile Squad)	16.1.8	2.1A, Security Plan	S.T.R	60.0	28.0	6.30	2.97	Koyana W.L.S	1 Unit of 5 local labourers) 12 months = 60 labourers	0.105	6.30	To assist the RFO Mobile squad in combating poaching activities and regular patrolling.As no separate staff provided to RFO mobile squad.
iii	Installation of unmanned barriers @ 0.20 lakh each.				0.0	0.0	0.00	0.00	Chandoli (2) 17°05'52.8"N 73°48'33.1"E, 17°08'34.2"N 73°52'07"E Helwak (3) 17°16'37"N 73°29.40"E 17°18'13"N 73°41.40"E 17°17'55"N 73°43.24"E Koyana (1) 17°26'60" N 73° 42' 21" E Bamnoli (1) 17°43'26" N 73° 40' 01" E	7 Nos.	0.200	1.40	
<b>2)</b>	<b>Project Allowances</b>												
i	Field Director - 01	16.15	13.4.1.2	S.T.R	1	1	0.24	0.16	S.T.R.		0.24	0.24	As per the NTCA guidelines, to encourage the staff to work in remote areas of the tiger reserve. Sanctioned -1, In Position - 1, In Position - 1, Vacant - 0
ii	Deputy Director - 01				1	1	0.18	0.05			0.18	0.18	Sanctioned -1, In Position - 1, In Position - 1, Vacant - 0
iii	Divisional Forest Officer - 01				1	1	0.18	0.14			0.18	0.18	Sanctioned -1, In Position - 1, Vacant - 0
iv	Assistant C.F. - 05				5	2	0.78	0.16			0.156	0.31	Sanctioned -5, In Position - 2, Vacant - 3
v	Range Forest Officer - 06				6	5	0.72	0.40			0.12	0.48	Sanctioned -6, In Position - 4, Vacant - 1
vi	Sectional Engineer -02				1	1	0.16	0.08			0.156	0.16	Sanctioned -2, In Position - 1 Vacant - 1
vii	Forester - 15				15	9	1.62	0.59			0.108	1.19	Sanctioned -15, In Position - 11, Vacant - 4
viii	Forest Guard - 50				50	37	4.20	2.41			0.084	3.11	Sanctioned -50 In Position - 37 Vacant - 13
ix	Driver - 2, Launch Tandel 01, Launch Driver 01 Total 04				4	2	0.34	0.11			0.084	0.17	Sanctioned -04, In Position - 02 Vacant - 02 (Drivers)

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				Location/ GPS	Physical		Financial		Location/ GPS	Physical Target	Unit Cost		Financial Target
					Target	Achievement	Target	Achievement					
1	2	3	4	5	6	7	8.00	9.00	10	11	12	13.00	14
x	Ministerial Staff Class - III - 21 (7- A/C, 11- Clerk, 1- Steno typist, 2- Surveyor )				22	19	1.85	0.96		17	0.084	1.43	Sanctioned - 21, In Position - 17, Vacant - 4
xi	Ministerial Staff Class - IV - 15 ( 1- Peon, Vanmajoor - 14)				11	15	0.53	0.53		15	0.048	0.72	Sanctioned -15 In Position - 15, Vacant - 0
<b>3)</b>	<b>Ration Allowance for Core Staff</b>												
i	Forester - 15	16.16		S.T.R.	15	3	1.55	0.23	S.T.R	11	0.103	1.13	As per the NTCA guidelines, to encourage the frontline staff to work & stay in remote areas. Sanctioned -15, In Position - 11, Vacant - 4
ii	Forest Guard - 50				50	19	5.16	1.47		37	0.103	3.81	Sanctioned -50 In Position - 37 Vacant - 13
iii	Vanmajoor - 14				10	10	1.03	0.69		14	0.103	1.44	Sanctioned -14 In Position - 14 Vacant - 0
<b>4)</b>	<b>Research Monitoring</b>												
i	Study Tours	16.8.5	8.4	STR	L.S.	0.00	2.50	0.00	STR	L.S.	L.S.	2.00	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	8.4	STR	L.S.	0	2.50	0.00	STR	L.S.	L.S.	2.00	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	<b>Capacity Building of frontline staff.</b> a) Organising workshops for staff about operation of PDA.	16.8.1	8.4	S.T.R.	4.00	0.00	3.20	0.00	STR	L.S.	L.S.	1.50	For capacity building and personality development of frontline staff.
	b) Specialized training in jurisprudence and wildlife forensics for field staff	16.8.4	8.4	S.T.R.	4.00	0.0	1.50	0.00	STR	3 trainings	0.50	1.00	
	c) Training of all beat guards of Sahyadri Tiger Reserve.	16.21.1	8.4	S.T.R.	4.00	0.00	2.00	0.00	STR	L.S.	L.S.	1.00	

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				Location/ GPS	Physical		Financial		Location/ GPS	Physical Target	Unit Cost		Financial Target
					Target	Achievement	Target	Achievement					
1	2	3	4	5	6	7	8.00	9.00	10	11	12	13.00	14
5	<b>Day to day monitoring of wild animals</b>												
i	Publications books/ field guides	16.2.18		S.T.R.	L.S.	0.00	0.80	0.00	STR	L.S.	L.S.	2.00	Information booklets for frontline staff .
6	<b>Mainstreaming wildlife concern.</b>												
i	Purchase of camera traps, batteries and memory cards for the monitoring of the tigers.	16.10.3	9.1 of core plan	S.T.R	L.S.	L.S.	3.00	0.91	STR	L.S.	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.
7	<b>Implementation of M-STRIPES</b>												
i	Desktop Computers	16.2.14	9.2	S.T.R.	4.00	2.00	1.80	0.90	STR	L.S.	L.S.	2.00	As per the NTCA guidelines, to adopt M-strips for intensive protection and ecological status monitoring.
8	<b>i) Strengthening of wireless infrastructure</b> Batteries for base stations	16.1.7	7.2.2	S.T.R	L.S.	0.00	3.00	0.00	STR	L.S.	L.S.	3.00	To strengthen the wireless communication in the STR for better communication with the field staff.
<b>TOTAL OF NON- RECURRING (CORE) 2021-22</b>							<b>61.70</b>	<b>20.78</b>				<b>54.35</b>	
<b>C BUFFER NON- RECURRING 60:40 %</b>													
1	<b>Antipoaching Activities</b>												
i	Constructions of Protection huts (3 nos.)	16.1.3	13.4	Mandur (Repairs of Check post) 17° 8'17.76"N 73°52'48.47"E	1	1	10.00	1.21	Naav - 1 - 17°19'50"N 73°44'17"E Ambavade - 1 - 17°40'7.58"N 73°46'22.29"E Karvat - 17°24'.13.55"N 73°50'59.27"E	1 units	22	22.00	To strengthen the protection of the TR and 24*7 stay of frontline staff and protection labours in remote areas of tiger reserve. Protection Hut at Ambavade - 1 unit and Protection cum check naka at Naav - 1 unit.
ii	Strengthening of office buildings and residential quarters in the premises of Sahyadri Tiger Reserve Office at Agashivanagar (Protective Measures, landscaping, maintenance of internal roads and buildings)	16.2.1			0	0	0.00	0.00	Agashivnagar - 17°15'25"N 74°09'44"E , 17°15'26"N 74°09'47"E , 17°15'28"N 74°09'46"E ,	Office building - 1, Type V quarter - 1, type II quarters - 4, type I quarters - 4. Total - 10 Nos.	2.08	10.00	Office is located in the hilly region of Agashivnagar and is prone to landslides. Therefore, it is necessary to strengthen the office premises by undertaking protective measures developing drainage system and internal roads, small repairs and maintenance works of buildings.



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				Location/ GPS	Physical		Financial		Location/ GPS	Physical Target	Unit Cost		Financial Target
					Target	Achievement	Target	Achievement					
1	2	3	4	5	6	7	8.00	9.00	10	11	12	13.00	14
iii	Installation of unmanned barriers @ 0.20 lakh each.	16.1.3	13.4		0.0	0.0	0.00	0.00	Helwak - 3 17°22'48"N 73°39'58"E 17°21'33"N 73°43'03"E 17°19'50"N 73°44'17"E Bamnoli - 1 17°41'8.21"N 73°46'9.47"E	4.000	0.200	0.80	
<b>2</b>	<b>Project Allowances</b>												
i	Range Forest Officer - 01	16.16		STR	1	1	0.12	0.09	Koyana W.L.S and Chandoli N. P.	1	0.12	0.12	To encourage the frontline staff to work in remote areas as per the NTCA guidelines. Sanctioned -1, In Position - 1 Vacant - 0
ii	Forester -4				4	4	0.43	0.25		3	0.108	0.32	Sanctioned -4 In Position - 3 Vacant - 1
iii	Forest Guard -25				24	20	2.01	1.17		21	0.081	1.70	Sanctioned - 25, In Position - 21, Vacant - 4
<b>3</b>	<b>Ration Allowance for Buffer Staff</b>												
i	Forester -4	16.16		STR	4	1	0.41	0.00	Koyana W.L.S and Chandoli N. P.	1	0.103	0.10	As per the NTCA guidelines, to encourage the frontline staff to work & Stay in remote areas. Sanctioned -4 In Position - 1 Vacant - 3
ii	Forest Guard -25				24	20	2.47	0.00	Koyana W.L.S and Chandoli N. P.	21	0.103	2.16	Sanctioned - 25, In Position - 21, Vacant - 4
<b>4</b>	<b>Redressing man animal conflict</b>												
i	Procurement of Tranquilizing equipments	16.4.1	7.2	STR	L.S.	L.S.	2.50	0.91		L.S.	L.S.	1.50	For procurement of tranquilizing equipments and drugs for strengthening RRU unit.
ii	Organising workshops for sensitizing local villagers in buffer areas.	16.10.1.1	8.3 of Buffer Plan	STR	5.000	0.0	1.50	0.00	Koyana W.L.S and Chandoli N. P.	2 workshops	0.500	1.00	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.
iii	Nature education programme rural students	16.10.1.1 and 2.2.4 of Appendix C	8.3 of Buffer Plan	STR	10	0	2.50	0.00	Koyana W.L.S and Chandoli N. P.	4 programmes	0.500	1.00	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.
iv	Wildlife days celebrations	16.21.1		STR	L.S.	0	1.50	0.00	Koyana W.L.S and Chandoli N. P.	L.S.	L.S.	1.70	Mass awareness programme in society to support tiger conservation.
v	Preparation of posters, banners for wildlife awarness in buffer area and to mark entrance of buffer with proper board.	16.2.22		STR	L.S.	0.0	1.50	0.00	Koyana W.L.S and Chandoli N. P.			1.00	Mass awareness programme in society to support tiger conservation.

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				Location/ GPS	Physical		Financial		Location/ GPS	Physical Target	Unit Cost	Financial Target	
					Target	Achievement	Target	Achievement					
1	2	3	4	5	6	7	8.00	9.00	10	11	12	13.00	14
<b>5</b>	<b>Habitat Management in Buffer</b>												
i	Ecological studies on grasslands of S.T.R. with special reference to wildlife management.		7.2.1.7 of Buffer Plan	S.T.R.	0.0	0.0	0.00	0.00	Koyana W.L.S and Chandoli N. P.	L.S.	L.S.	1.00	For scientific studies of the grasslands, palatable and non-palatable species, which is very much essential for maintaining good prey base population.
ii	Wildlife Population estimation implementating tiger recovery strategy and monitoring and scrutiny	16.7		S.T.R.	As provided in WII project	As provided in WII project	15.00	0.00	Koyana W.L.S and Chandoli N. P.	As provided in WII project	L.S.	15.00	Strengthening of Enclousure - Prey augmentation programme (transportaion, monitoring of prey, procurement of monitoring equipments, etc.
<b>TOTAL OF NON- RECURRING (BUFFER) 2021-22</b>							<b>39.94</b>	<b>3.62</b>				<b>59.41</b>	
<b>D</b>	<b>TIGER BEARING AREAS (Radhanagari Wildlife Sanctuary)</b>												
<b>1)</b>	<b>Research Monitoring :</b>												
i	Organising study tours and workshops for Staff	16.8.5	8.4	STR - RWL	0	0	0.0000	0.0000	STR - RWL	1 Qty.	1.00	1.00	To raise awareness among the staff by organising workshops, nature education camps, study tours. 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.
<b>2)</b>	<b>Capacity Building of frontline staff :</b>												
i	Training of Census of Field Staff	16.8.5	8.4						STR – Radhanagari Wildlife Sanctuary	2 Qty.	0.50	1.00	To expose Officers and frontline staff, the best practices going on in other tiger reserves across country.
<b>3)</b>	<b>Day to day monitoring of wild animals</b>												
i	Publications books/ field guides	16.2.18							STR – Radhanagari Wildlife Sanctuary	L.S.	1.00	1.00	Information booklets for frontline staff .
<b>4)</b>	<b>Main streaming wildlife concern :</b>												
i	Purchase of camera traps, batteries and memory cards for the monitoring of the tigers.	16.10.3	9.1 of core plan						STR – Radhanagari Wildlife Sanctuary	35 Qty	0.25	8.75	It is essential to carry out phase IV and regular camera trap monitoring and eventually understanding faunal status and to formulate their management strategy.
ii	Purchase of GPS / Range finder for field staff	16.10.3	-						STR – Radhanagari Wildlife Sanctuary	25 Qty.	0.25	2.50	Purchase of GPS of field staff of beat guard and forest officers for use in Forest areas.

Sr. No.	Item	Para of CSS-PT Guidelines	TCP Para	Previous Year (2020-21)					Current Year Proposal (2021-22)				Justification	
				Location/ GPS	Physical		Financial		Location/ GPS	Physical Target	Unit Cost	Financial Target		
					Target	Achievement	Target	Achievement						
1	2	3	4	5	6	7	8.00	9.00	10	11	12	13.00	14	
iii	Purchase of Fibre Stick, torch with batteries, forms etc.	-	-						STR – Radhanagari Wildlife Sanctuary	L.S.		1.00	Purchase of GPS of field staff of beat guard and forest officers for use in Forest areas.	
5)	<b>Implementation of M-STRIPES :</b>													
i	Desktop Computers with printer.	16.2.14	9.2						STR – Radhanagari Wildlife Sanctuary	1 Qty.		0.80	As per the NTCA guidelines, to adopt M-strips for intensive protection and ecological status monitoring.	
				<b>TOTAL OF NON- RECURRING (TIGER BEARING AREA)</b>									<b>16.05</b>	
				<b>Non - Recurring (Core + Buffer)</b>									<b>129.80</b>	
<b>E CORE RECURRING (50 : 50%)</b>														
1	<b>Anti Poaching</b>													
i	Wireless communication network royalty to Govt. of India	16.2.3	Chapter 4 of Security Plan	Koyana W.L.S	1 network	0.0	0.50	0.50	Koyana W.L.S	1 Network	L.S.	1.00	Annually for wireless communication royalty has to be deposited.	
ii	Wages for wireless operator 11 base stations 1 person each.	16.2.3	Chapter 4 of Security Plan	Koyana W.L.S and Chandoli N. P.	100.0	33.0	13.80	3.43	Koyana W.L.S and Chandoli N. P.	11 base stations x 1 operator x12 months = 132 operators	0.105	13.85	Continuous working of the wireless base stations.	
iii	Maintenance of wireless sets annual maintenance (AMC)	16.2.3	Chapter 4 of Security Plan	Koyana W.L.S and Chandoli N. P.	L s	L s	5.00	2.50	Koyana W.L.S and Chandoli N. P.	LS	LS	5.00	For effective communication in remote and inaccessible areas.	
iv	Strengthening of VHF				LS	L.S.	1.50	0.00						
v	Special repairs of wireless towers	16.2.3	Chapter 4 of Security Plan		2.00	1.00	1.50	0.75		L.S.	L.S.	2.00		
vi	Wages for data entry operator at division level. (12 operators)			Koyana W.L.S and Chandoli N. P.	72	27.0	9.94	2.67	Koyana W.L.S and Chandoli N. P.	6 operators each division X 2 divisions X 12 months = 144 data entry operators	0.120	17.28	Data entry operator for monitoring of wildlife population estimation, coordination and collection of data from the ranges.	
vii	Wages for labourers engaged in protection huts 2 person on each 38 camp = 38 beats X 2 person = 76 labours per month..	16.1.3	7.2.2 of core Plan	Koyana W.L.S and Chandoli N. P.	912	209	109.44	38.96	Koyana W.L.S and Chandoli N. P.	38 beat x 2 labours X 12 months = 912 labours	0.105	95.76	As a assistant to the Forest Guards, for effective patrolling, daily to day beat management and 24X7 protection of the areas.	
viii	Wages for tourist check naka labours (3check naka X 2 person X 12 months) (Metindavali, Jadhavvadi Rotaki, )				144	28	17.28	2.94	Koyana W.L.S and Chandoli N. P.	3 check naka x 2 labours x 12 monthx = 72 labours.	0.105	7.56	To control and prevent illegal entries inside the protected area.	
ix	Wages for driver of vehicle (10 drivers X 12 months)	16.1.12	8.5 of core Plan	Koyana W.L.S and Chandoli N. P.	120	50	17.61	5.95	Koyana W.L.S and Chandoli N. P.	10 drivers X 12 months = 120 drivers.	0.120	14.40	These vehicles are used in protection and monitoring. No regular staff is available. 8 drivers for patrolling vehicles of RFOs. 2 drivers for RRU unit and tourist buses.	

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				Location/ GPS	Physical		Financial		Location/ GPS	Physical Target	Unit Cost		Financial Target
					Target	Achievement	Target	Achievement					
1	2	3	4	5	6	7	8.00	9.00	10	11	12	13.00	14
x	Wages for driver + helper of motor boat (3 driver + 3 helpers)	16.1.12			72	21	9.94	2.18	Koyana W.L.S and Chandoli N. P.	6 drivers X 12 months = 72 drivers.	0.120	8.64	Motor boats are very useful in patrolling and monitoring of deep interior area. No regular staff is available. Koyana, Bamnoli and Chandoli range each.
xi	Maintenance of A.P.C/C.p	16.1.3	1.14	Chandel 17° 8'39.78"N 73°43'31.84"E Nivale Kolhapur 17° 7'3.97"N 73°48'44.16"E	4.00	2.00	4.80	2.00	Jadhavvadi A.P.C - 17° 08' 17.7" 73° 52' 48.4" Kolane A.P.C. - 17° 19' 33.7" 73° 40' 42.4" Chandoli Khurd A.P.C 17° 15' 59" 73° 45' 21" Takale A.P.C., Vetti A.P.C., Nandoli A.P.C. Kusavade A.P.C 17° 29' 14.6" 73° 47'15.6' Maldev A.P.C -17° 38' 54.35' 73° 42' 30.07", Navaja C. P. 17° 26" 28.01' 73° 43' 36.38' Kusapur Bamnoli A.P.C. - 17° 39.953" 73° 45.358" Mandur - 17° 07' 06" 73° 53' 07", Rasati Helwak Colony - 17°22'27.29"N 73°44'40.14"E, Rasati Koyana Colony - 17°22'34.14"N 73°44'35.75"E Koyana Colony -17°23'40.39"N 73°44'40.05"E	10 A.P.C./ C.P.	1.50	15.00	It is essential do do regular maintainance for 24X7 staying of frontline staff at protection hut and check nakas, a way for round the clock protection of the area.
xii	Maintenance of residential and other administrative buildings.	16.2.1.4	13.4 core	STR	8	0	4.00	0.00		5 quarters/ office	2.00	10.00	Routine maintenance works.
<b>2</b>	<b>Maintenance / repair of vehicles and boats</b>												
i	Petrol Vehicle - 1	16.1.14	1.14	STR	Petrol -1	0.000	1.50	0.00	Koyana W.L.S and Chandoli N. P.	Petrol -1	L.S	1.00	For effective movement, patrolling through road network and water bodies hence for better management of the tiger
ii	Diesel Vehicles - 10				Diesel - 10	6.000	9.00	2.00		Diesel - 10	L.S	9.00	
iii	Motor Boat - 5				Motor boat -5	0.000	7.00	0.00		Motor boat -5	L.S	7.00	
iv	Motorcycles 1				1.0	1.0	0.25	0.00		Motorcyclce - 1	L.S	0.20	
<b>3</b>	i) Firelines cutting and burring A' Class (160 Km)	16.2.6	Chapter 3 of Security Plan	STR	160	0	6.78	0.00	Koyana W.L.S and Chandoli N. P. - 17°23'58.22"N 73°43'29.40"E, 17°24'40.41"N 73°43'45.35"E, 17°25'35.90"N 73°49'6.60"E, 17°25'31.90"N 73°47'31.60"E, 17°25'55.00"N 73°47'53.00"E, 17°27'59.60"N 73°47'16.10"E, 17°31'26.70"N 73°44'8.10"E, 17°31'26.70"N 73°44'8.10"E, 17°32'6.39"N 73°46'46.30"E, 17°34'38.71"N 73°49'19.31"E, 17°35'42.00"N 73°48'59.00"E, 17°40'34.43"N 73°46'36.81"E, 17°44'21.35"N 73°35'47.31"E, 17° 5'52.50"N 73°48'32.80"E, 17° 7'7.40"N 73°49'9.80"E, 17° 7'38.70"N 73°47'23.60"E, 17°10'53.27"N 73°50'42.66"E, 17°13'10.60"N 73°49'8.40"E	160 Km	0.08	6.78	To mitigate fire hazards and effectively control the spread of forest fires. Timely clearing of firelines is required.

Sr. No.	Item	Para of CSS-PT Guidelines	TCP Para	Previous Year (2020-21)				Current Year Proposal (2021-22)				Justification	
				Location/ GPS	Physical		Financial		Location/ GPS	Physical Target	Unit Cost		Financial Target
					Target	Achievement	Target	Achievement					
1	2	3	4	5	6	7	8.00	9.00	10	11	12	13.00	14
ii	B' Class (300 km)	16.2.6	Chapter 3 of Security Plan	STR	300	0	7.03	0.00	Koyana W.L.S and Chandoli N. P. - 17°36'24.80"N 73°42'57.30"E 17°35'45.00"N 73°48'57.00"E 17°34'46.00"N 73°49'18.00"E 17°31'13.70"N 73°46'57.91"E 17°29'30.10"N 73°47'54.50"E 17°29'22.00"N 73°47'38.10"E 17°29'14.60"N 73°47'15.60"E 17°29'13.30"N 73°43'45.20"E 17°28'18.10"N 73°47'27.30"E 17°26'57.60"N 73°47'53.90"E 17°26'23.00"N 73°47'13.80"E 17°26'22.50"N 73°46'58.50"E 17°26'32.00"N 73°46'2.10"E 17°25'13.90"N 73°45'9.50"E 17°25'8.80"N 73°44'31.30"E 17°23'35.55"N 73°42'59.79"E 17°24'2.33"N	300 Km	0.048	7.03	To mitigate fire hazards and effectively control the spread of forest fires. Timely clearing of firelines is required.
iii	Engagement of fire watchers for 2.5 months X 50 labours (01.04.2020 to 15.06.2020)	16.2.6			2280	936	12.08	3.34	Koyana W.L.S and Chandoli N. P.	50 labours X 45 days = 2280 mandays	0.004	12.08	STR is having hilly terrain , here adjoining vllages have habit of igniting fire in their agriculture land , which speedly spreads to the forest hence a dedicated fire fighting unit is required for timely and effectivey addressing fire incidences.
iv	Engagement of firewatchers for 2.5 months X 50 labours (15.01.2021 to 31.03.2021)				2250	0	12.08	0.00	Koyana W.L.S and Chandoli N. P.	50 labours X 45 days =2250 mandays	0.004	12.08	STR is having hilly terrain , here adjoining vllages have habit of igniting fire in their agriculture land , which speedly spreads to the forest hence a dedicated fire fighting unit is required for timely and effectivey addressing fire incidences.
<b>4</b>	<b>Habitat Improvement</b>												
i	<b>Removal of gregarious plant growth from grasslands</b> a) Removing new growth and shrubs from meadows . (70 ha. X 22 mandays per ha.)	16.3	7.2.1 of Core Plan	STR	0.00	0.00	0.00	0.00	Koyana - 60 ha. 17°29'23.57"N 73°47'41.11"E 17°29'12.00"N 73°48'8.35"E 17°28'40.30"N 73°47'52.35"E 17° 28' 57.71" 73° 47' 46.28" Bamnoli - 10 ha. - 17°36' 05" 73° 47' 01" 17°35' 59" 73° 46' 57.39" 17°36' 07.58" 73° 47' 09.19" 17°36' 15.43" 73° 47' 05.60" 17°33' 56" 73° 47' 15" 17°33' 59.86" 73° 47' 07.15" 17°33' 49.25" 73° 47' 17.07" 17°33' 58.14" 73° 47'	70 ha.	0.088	6.15	Eradication of weeds and unwanted scrubs from the meadows helps in improvement of grassland and better habitat management.

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				Location/ GPS	Physical		Financial		Location/ GPS	Physical Target	Unit Cost		Financial Target
					Target	Achievement	Target	Achievement					
1	2	3	4	5	6	7	8.00	9.00	10	11	12	13.00	14
	b) Cutting of alternate stripes in grass land @ 10 mandays per ha.	16.3	7.2.1 of Core Plan	S.T.R.	146 ha.	0	7.74	0.00	Chandoli - 50 ha. 17°12'22.53"N 73°50'12.24"E 17°12'8.87"N 73°50'4.84"E 17°12'35.68"N 73°49'38.00"E 17°12'50.69"N 73°49'55.81"E,  Helwak -22 ha. 17°12'56.06" 73°44'4.85" 17°13'10.17" 73°44'7.45" 17°13'6.16" 73°44'16.78" 17°12'56.77" 73°44'11.26" 17°14'55.37" 73°44'52.01" 17°15'3.72" 73°45'0.60" 17°14'53.59" 73°45'2.86" 17°14'42.88" 73°45'0.25" Koyana -44 ha. 17°30'16" 73°44'54" 17°29'49.34" 73°44'45.24" 17°29'54" 73°45'03" 17°30'2.41" 73°44'29.98"	146 ha.	0.04	5.84	To remove alternate strips in grassland area it helps to improve of grassland and better habitat management.
ii	Maintenance of existing water holes	16.3	7.2.1 of Core Plan	STR	100 Water holes	0	2.00	0.00	Chandoli 42 Nos. - 17°38'27" 73° 48' 44"17°38'20" 73° 48' 20" 17°38'37" 73° 50' 21"17°10'39.60"N 73°42'0.70"E 17°11'11.00"N 73°42'45.80"E17°14'28.20"N 73°43'53.80"E 17°12'49.20"N 73°44'4.20"E 17°5'49.98"N 73°46'11.78"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°17'9.90"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°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°46'20.90"E 17°26'44.00"N 73°45'24.00"E 17°26'48.00"N 73°45'37.00"E 17°42'46.89"N 73°34'37.66"E 17°45'42.58"N 73°36'58.53"E 17°42'15.42"N 73°40'8.52"E 17°43'42.49"N 73°43'6.60"E 17°41'17.95"N 73°43'55.24"E 17°40'14.59"N 73°47'24.82"E 17°40'18.80"N 73°47'52.36"E 17°39'55.44"N 73°48'23.87"E 17°39'44.43"N 73°48'36.17"E 17°38'33.54"N 73°47'31.09"E 17°37'54.30"N 73°47'44.48"E 17°37'40.83"N 73°48'6.00"E 17°37'33.81"N 73°48'19.52"E 17°37'33.80"N 73°48'29.50"E 17°36'52.02"N	98 Water holes	0.02	1.96	

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				Location/ GPS	Physical		Financial		Location/ GPS	Physical Target	Unit Cost	Financial Target									
					Target	Achievement	Target	Achievement													
1	2	3	4	5	6	7	8.00	9.00	10	11	12	13.00	14								
									Helwak - 10 Nos. - 17° 8'36.50"N 73°43'28.20"E 17° 15' 00.76" 73° 42'01.36" 17° 11".11.00." 73° 42' 45.08" 17°10'.40.00." 73° 42' 07.00" 17° 16".03.04" 73° 41' 25.04" 17° 16".26.01" 73° 41' 53.07" 17° 10".58.01" 73° 45' 29.01" 17° 14".59.09" 73° 43' 37.03" 17° 14".59.09" 73° 43' 37.03" 17° 16"37.05" 73° 44' 11.05" Koyana - 17° 24' 22.67" 73° 40' 42.50" 17° 25" 5.17" 73° 41' 09.18" 17° 25' 07.08" 73° 42' 46.40" 17° 25' 19.60" 73° 42' 9.47" 17° 22" 10.3." 73° 42' 21.5" 17° 26" 4.0" 73° 42' 17.9" 17° 27" 36." 73° 42' 14" 17° 28" 58." 73° 42' 30" 17° 28" 54.07" 73° 44' 00" 17° 31" 26.7." 73° 44' 8.1" 17° 30" 14.99" 73° 44' 48.86" 17° 28" 38." 73° 46' 35" 17° 29" 00." 73° 46' 44" 17° 28" 57" 73° 46' 33" 17° 37" 14.8" 73° 43' 15.8" 17° 33" 5.17" 73° 45' 4.96" 17° 32" 25" 73° 43' 3.65" 17° 30" 34.07" 73° 45' 56.3" 17° 30" 20.7" 73° 45' 8.37" 17° 38" 37.60" 73° 44' 36.8" 17° 38" 36.0" 73° 43' 30.3" 17° 37" 47.3" 73° 43' 44.9" 17° 34" 22.9" 73° 44' 02.0" 17° 34" 26.7" 73° 43' 8.0" 17° 38" 40.55" 73° 42' 36.37" 17° 26' 11" 73° 47' 1.2" 17° 26' 20" 73° 46' 44" 17° 26' 7" 73° 46' 27" 17° 25' 57" 73° 46' 41" 17° 24' 6.21" 73° 49' 20.4" 17° 24' 10.5" 73° 49' 3.9" 17° 24' 33.8" 73° 50' 7.6" 17° 26' 12.7" 73° 43' 48.8" Bamnoli-13 17 °34' 53.40" 73°												
iii	New water hole creations	16.3	7.2.1 of Core Plan	S.T.R.	100 Water holes	0	5.00	0.00		20 waterholes	0.25	5.00									
									Chandoli - 6 - 17°12'6.95"N 73°50'15.79"E 17°12'16.92"N 17°12'23.72"N 73°50'13.02"E 73°50'13.20"E, Helwak - 4 17° 16' 39"N 73° 41' 33"E 17° 15' 51"N 73° 41' 38"E  Bamonoli - 6 17° 42' 19.6" 73° 42' 19.6" 17° 42' 13.7" 73° 40' 23.9" 17° 69.962 73° 70.1255 Koyana - 4												

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					Target	Achievement	Target	Achievement					
1	2	3	4	5	6	7	8.00	9.00	10	11	12	13.00	14
iv	Construction of borewell with water hole and solar pump.	16.3	7.2.1 of Core Plan		12 Nos.	0	6.00	0.00	Helwak - 5 17°18'28"N 73°42'45"E 17°14'38.5"N 73°44'38.4"E 17°16'29.9"N 73°42'55.0"E 17°14'14.0"N 73°45'13.0"E 17°16'39"N 73°41'33"E Bamnoli - 1 17° 36'23" 73° 48' 39"	3 Nos.	3.50	10.50	
<b>5</b>	<b>Strengthening of Infrastructure within Tiger Reserve</b>												
i	Cleaning of patrolling routes 150km @ 0.02 per km	16.2.2	7.2.1 of Core Plan	Koyana 17°24'56.81"N 73°43'43.59"E to 17°26'24.21"N 73°43'43.59"E Bamnoli - 17°41'36.62"N 73°40'06.30"E to 17°42'18.99"N 73°40'30.20"E	314 k.m.	6 k.m.	6.28	0.12	Chandoli - 40 k.m. - 17°10'49.8"N 73°52'25.6"E 17°10'39.9"N 73°52'25.7"E 17°11'13.62"N 73°50'32.30"E 17°11'11.79"N 73°50'23.8"E 17°05'47.07"N 73°42'61.34"E 17°05'47.02"N 73°45'55.48"E 17°07'03.8"N 73°48'44.8"E 17°07'44.7"N 73°49'10.7"E 17°06'94.7"N 73°46'37.6"E 17°05'51.2"N 73°54'21.9"E Helwak - 10 k.m. 17° Koyana - 60 k.m. -170 24" 6.59" 730 40' 23.48" 170 24" 32.64" 730 40' 56.72" 170 24" 16.36" 730 41' 38.32" 170 24" 59.40" 730 43' 7.01" 170 24" 32.84" 730 42' 36.54" 170 25" 7.45" 730 42' 23.1" 170 24" 57.59" 730 43' 22.60" 170 25" .38"730 43' 17.91" 17 26" 14.6." 73 42' 17.4" 17 27" 14.27." 73 41' 54.27" 17 26" 26.7." 73 42' 4.10" 17 26"4 " 73 43' 18" 17 27" 6.3." 73 42' 23.5" 17 27" 27.33." 73 42' 16.69" 17 27" 39" 73 42' 19' 17 29' 19" 73 43' 50" 17 29' 45" 73 43' 29" 17 29' 19" 73 43' 50" 17 29" 25" 73 45' 22" 17 30" 13.50" 73 44' 42.36" 17 29" 25" 73 43' 17" 17 30" 13.50" 73 44' 42.36" 17 29" 25" 73 46' 48" 17 30" 13.50" 73 44' 42.36" 17 29" 25" 73 44' 04" 17 30" 13.50" 73 44' 42.36" 17 28" 08" 73 44' 06" 17 28" 52.66" 73 46' 20.52" 17 29" 04" 73 47' 00" 17 28" 52.66" 73 46' 20.52" 17 27" 04" 73 '45' 24" 17 28" 52.66" 73 46' 20.52" 17 29" 12" 73 46' 07" 17 28" 52.66" 73 46' 20.52" 17 36" 47.20" 73'44' 26.40" 17 37" 14.8" 73'43' 15.8" 17 37" 14.08" 73 43' 55.7" 17 36" 29.4" 73 43'	150 k.m.	0.02	3.00	For easy movement of wildlife and foot patrolling.



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					Target	Achievement	Target	Achievement						
1	2	3	4	5	6	7	8.00	9.00	10	11	12	13.00	14	
ii	Maintenance of patrolling roads 100k.m. @ 0.15 lakhs	16.2.2	7.2.1 of Core Plan	S.T.R.	25 k.m.	0	6.25	0.00	Chandoli N.P.- 60 k.m. - 17° 8'10.37"N 73°52'48.86"E 17°18'24.60"N 73°42'43.63"E 17° 9'18.64"N 73°43'20.11"E 17° 5'47.07"N 73°48'41.82"E Koyana W.L.S - 40 k.m.- 17°30'7.97"N 73°44'47.75"E 17°29'53.59"N 73°42'41.30"E	100 k.m	0.1500	15.00	Its important to maintain existing natural trails, for foot patrolling in the tiger reserve and same natural trails are are also used by the wild fauna as well.	
i	Wildlife population estimation	16.10.1.3	Chapter 9 of Core Plan	S.T.R.	Ls	0.0	3.00	2.52		L.S.	L.S.	5.00		
<b>TOTAL OF RECURRING (CORE) 2021-22</b>							<b>287.30</b>	<b>69.84</b>				<b>298.11</b>		
<b>H</b>	<b>RECURRING (BUFFER) 50:50</b>													
<b>1</b>	<b>Anti Poaching</b>													
i	Wages for labourers engaged in protection huts - 2 person on each at 18 camps	16.1.7	Chapter 4 of security plan	STR	216 labours	64 labours	25.92	6.62	Koyana W.L.S and Chandoli N. P.	216 labours	0.105	25.92	For the effective patrolling, daily routine beat management and 24 X 7 protection of the areas.	
ii	Wages for check naka labours ( Shewtai Temple , Raguvir ghat, Karale, Paneri, Nawja)	16.1.7	Chapter 4 of security plan	STR	252 labours	45 labours	30.24	4.69	Koyana W.L.S and Chandoli N. P.	5 check naka x 2 labours x 12 month = 120 labours	0.105	12.60	To control and prevent illegal entries inside the protected area round the clock.	
iii	Maintenance of APC/C.P.				4 Nos.	0	3.00	0.00	Kasani 17°10'5.28"N 73°53'48.36"E Karale 17°14'30.90"N 73°50'34.35"E Humbarane 17°16'29.18"N 73°47'54.41"E Atoli 17°17'45.40"N 73°45'3.33"E Rasati 17°22'23"N 73°40'44"E Waghane 17°19'30"N 73°40'55"E Waghavale 17° 43' 56" 73° 40' 29" Kusapur 17° 39.953' 73° 45.358"	8 Nos.	1	8.00		
<b>2</b>	<b>Maintenance / repair of vehicles and boats</b>													
i	Petrol vehicle - 1	16.2.8	1.14	S.T.R	Petrol - 1	0	1.00	0.00	Koyana W.L.S and Chandoli N. P.	Petrol - 1	L.S.	1.00	For effective movement, patrolling through road network and water bodies for better management of tiger reserve.	
ii	diesel vehicles - 10				Diesel - 10	0	2.00	0.00		Diesel - 10	L.S.	2.00		
iii	Motor Boat -2				Motor boat - 2	0	1.50	0.00		Motorcycle - 1	L.S.	0.35		
<b>3</b>	<b>Maintenance of firelines and firebreaks</b>													

Sr. No.	Item	Para of CSS-PT Guidelines	TCP Para	Previous Year (2020-21)				Current Year Proposal (2021-22)				Justification	
				Location/ GPS	Physical		Financial		Location/ GPS	Physical Target	Unit Cost		Financial Target
					Target	Achievement	Target	Achievement					
1	2	3	4	5	6	7	8.00	9.00	10	11	12	13.00	14
i	A' Class (150 Km)	16.2.3	Chapter 3 of Security plan	S.T.R.	150 k.m.	0	6.36	0.00	Koyana W.L.S and Chandoli N. P. 17°24'17.40"N 73°50'55.90"E 17°23'7.70"N 73°50'49.06"E 17°14'47.00" N 73°51'2.60"E 17°14'32.90"N 3°51'24.20"E17°13'54.00"N 73°50'8.30"E 17°13'27.30"N 73°50'29.50"E 17°11'12.80"N 73°53'41.20"E 17°10'59.20"N 73°53'33.70"E17°10'51.90"N 73°54'30.90"E 17°10'29.60"N73°54'18.80"E17°9'49.40"N 73°52'58.00"E	150 Km	0.08	6.36	To mitigate fire hazards, timely clearing of firelines leads to effective control on the spread of forest fires.
ii	B' Class (180 km)	16.2.3	Chapter 3 of Security plan	S.T.R.	180 k.m.	0	4.22	0.00	Koyana W.L.S and Chandoli N. P. 17°24'22.80"N 73°50'9.80"E 17°18'6.19"N 73°45'51.47"E 17°17'58.51"N 73°45'25.10"E 17°17'48.40"N 73°45'47.50"E 17°17'43.50"N 73°46'22.30"E 17°16'39.01"N 73°47'45.61" E 17°16'32.00"N 73°47'39.30"E 17°16'15.02"N 73°47'48.00"E 7°16'13.00"N73°47'29.01"E 17°16'9.00"N 73°47'31.07"E 17°15'25.40"N 73°48'7.60"E17°15'24.00"N73°48'5.07"E17°15'6.60"N 73°48'35.80"E 17°14'57.80"N73°50'9.80"E	180 Km	0.048	4.22	To mitigate fire hazards, timely clearing of firelines leads to effective control on the spread of forest fires.
<b>4</b>	<b>Water Retention Structures</b>												
i	Borewell with water hole and solar pump.	16.3	7.2.1 of Core Plan	S.,T.R.	7 Nos.	0	3.50	0.00	Chandoli - 2 - 17° 04 '55.6" 73° 48 '55.3" 17° 05 '52.8" 73° 48 '33.1"  Bamnoli - 2 - 17° 43'57.3" 73° 40 '29.8" 17° 46' 63.1" 73° 36' 79.9"	1No	3.50	3.50	
ii	Creation of new waterholes								40 '25.6" 17° 44 '27.2" 73° 34' 50.0" 17° 45' 41.3" 73° 36 '60.0" 17° 45' 39.4" 73° 37' 10.4" Koyana - 1, Dhebewadi - 2	4 No	0.25	1.00	

Sr. No.	Item	Para of CSS-PT Guidelines	TCP Para	Previous Year (2020-21)				Current Year Proposal (2021-22)				Justification	
				Location/ GPS	Physical		Financial		Location/ GPS	Physical Target	Unit Cost		Financial Target
					Target	Achievement	Target	Achievement					
1	2	3	4	5	6	7	8.00	9.00	10	11	12	13.00	14
iii	Maintenance of existing waterholes								Bamnoli - 15 - 17° 46' 00.7" 73° 39' 41.6" 17° 45' 34" 73° 35' 14" 17° 45' 04" 73° 35' 46" 17° 44' 55" 73° 35' 58" 17° 44' 35" 73° 36' 42" 17° 45' 70.8" 73° 36' 97.5" 17° 45' 88.0" 73° 36' 66.9" 17° 46' 00.0" 73° 35' 40.5" 17° 37' 56" 73° 50' 47" 17° 38' 25" 73° 49' 24" 17° 38' 25" 73° 48' 47" 17° 37' 53." 73° 48' 52" 17° 39' 41.7" 73° 48' 37.8" 17° 39' 55.4" 73° 48' 23.4" 17° 39' 59.4"	20 Nos.	0.02	0.40	
<b>TOTAL RECURRING (BUFFER)</b>							<b>77.74</b>	<b>11.31</b>				<b>65.35</b>	
<b>D</b>	<b>TIGER BEARING AREAS (Radhanagari Wildlife Sanctuary)</b>												
	<b>Recurring (Core + Buffer+ Tiger Bearing Areas )</b>						<b>365.04</b>	<b>81.16</b>				<b>363.46</b>	
	<b>Grand total (Non-recurring + recurring )</b>						<b>466.68</b>	<b>105.56</b>				<b>493.26</b>	

(Rs in lakhs)

SI No	Items	Sanction	Central Assistance
1	Non Recurring (60%)	129.80	77.88
2	Recurring (50%)	363.46	181.73
	<b>Total</b>	<b>493.26</b>	<b>259.61</b>

(Rs in lakhs)

Cost of APO including State's share	A	493.26
Center's share in APO	B	259.61
1st release @50% of Center share	C=0.5*B	129.81
Less: Unspent balance FY 2020-21	D	0.00
Adjusted first release	E=C-D	129.81
Balance of central share to be released	F	129.81