

**No. 4-1(46)/2019-PT**  
Government of India  
Ministry of Environment, Forest and Climate Change  
Project Tiger Division

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**Dated the 9<sup>th</sup> 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 Bor 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 Bor Tiger Reserve, Maharashtra at the cost of **Rs. 846.55 Lakhs (Rupees Eight hundred Forty Six lakhs Fifty Five thousand only)** as per details given in the table at Annexure. Of the total cost of the Scheme, **Rs. 417.74 Lakhs (Rupees Four hundred Seventeen lakhs Seventy Four 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. 372.92 lakhs (Rupees Three hundred Seventy Two lakhs Ninety Two 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 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 **Bor 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

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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 **Bor 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 **Bor Tiger Reserve** may furnish their performance-cum-achievement report on or before 31.3.2020.
- (x) **Bor 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 **Bor 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 **Bor 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 (**Bor 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) **Compensation for loss due to wildlife is to supplement the State Government fund as per the rules of State Government.**

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- (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.

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.


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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)	316.98
Centrally Sponsored Scheme of Project Tiger	3601.06.789.02.01.31 (SCSP)	27.97
Centrally Sponsored Scheme of Project Tiger	3601.06.796.02.01.31 (TSP)	27.97
<b>Total</b>		<b>372.92</b>

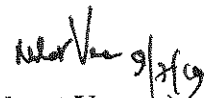
9. This issues under the powers delegated to the Ministry and with the concurrence of Integrated Finance Division vide Dy. No. 123856/AS&FA (PG) dated 05.07.2019.

Yours faithfully,

  
(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, Bor 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)  
Deputy Inspector General of Forests (PT)

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

Annexure

**Annual Plan of Operation Year 2019-20**

**For Seeking Central Assistance Under C.S.S - Bor Tiger Reserve (Buffer / Tiger Bearing Areas)**

Sr. No.	Item	Para of CSS - PT Guidelines	Previous Year Details (2018-19)				Current Year Proposal (2019-20)				GPS	Remarks
			Location	Physical Target	Physical Achievement	Financial Target	Financial Achievement	Location	Physical Target	Total		
1	NON-RECURRING	3	4	5	6	7	8	9	10	11	12	13
A	<b>CORE</b>											
1	Strengthening Procurement of hardware					0.00	0.00	Bor Headquarter office 4 Computer with printer. 2 laptops for RFO. Multifunction Printer for Range offices.	1 laptops @ 0.50 lakhs = 0.50 lakhs. 4 Computers with printers @ 0.50 lakhs = 2.00 lakhs 2 Multifunction Printers @ 0.20 lakhs = 0.40 lakhs.	3.00		Purchase P.C, Photo copy machine, Scanner, inverter and GIS tools
	Purchase of walkie - talkie sets	16.1.15	Bor tiger reserve, Wardha Division	119 nos. @ 0.15	119 nos. @ 0.15	17.85	17.85	Bor tiger reserve	20 nos @ 0.15	3.00		Needs for efficient and quick Communication
	Maintenance of Camera Traps(batteries, SD card etc)	16.7	Bor tiger reserve, Nagpur, Wardha Division	LS	LS	13.00	13.00	Bor tiger reserve	20 Number @ .15 lakhs.	3.00		
2	Habitat Improvement and Water Augmentation					0.00	0.00	<b>New Bor Range.</b> 10 Gabhan Structure @ 0.60 lakhs each= 18.00 lakhs. Desillation work at Ghodaecha Talav & Navargao Talav @ 10.00 lakhs each= 20.00 lakhs	10 Gabhan Structure @ 0.60 lakhs each= 6.00 lakhs. And Desillation work at Ghodaecha Talav & Navargao Talav @ 10.00 lakhs each= 20.00 lakhs	26.00		For ensuring water availability in summers and to avoid man animal conflict. Also to improve water table.
	Rejuvenation of Nallas (like inverted bandhara, deeping, Desillation, nala deepening, dry rubble bund, gablon dam, Brushwood dam etc.)					0.00	0.00					

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3	Staff Welfare Activities Drinking water facilities at protection camps/check naka by digging borewells WATER purifier	0.00	0.00	<p><b>Bar Tiger Reserve.</b> 2 water coolers at Adegaon Campus &amp; Gate @0.30 lakhs each. 20 nos. of Low cost water filter at Protection camp &amp; Check Naka @ 0.03 lakhs each. Borewell at Bhondai kuit @ 0.70 lakhs. Navegaon gate source well with Pipeline with 3 HP Solar Pump @ 15.00 lakhs.</p>	<p>2 nos. @ 0.30 lakhs. 20 nos. @ 0.03 lakhs. Source well 1 nos @ 15.00 lakhs. 01 bore well @ 0.70 lakh</p>	16.90	<p>N-21 00' 45.57" E-078 43' 21.53" N-20 57 36.70" E-078 43' 16.70" N-20 55 26.60" E-078 47' 4.10" N-21 00' 2.00" E-078 46' 19.80" N-21 00' 27.20" E-078 40' 30.80" N-20 59 53.40" E-078 38' 24.30" N-20 58 43.30" E-078 40' 10.90" N-20 57 22.90" E-078 41' 14.80" N-20 57 36.70" E-078 43' 16.70" N-21 00' 44.8" E 078 35 30.5"</p>	<p>Drinking water facilities at protection camps/check naka for Forest Guard and Van Mejpoor</p>	<p>essential for field staff performing their duty efficiently.</p>						
	Toilets (precast or ready) / Toilet Blocks	0.00	0.00	<p>5 Nos in New Bor Range at Dubble Barrier, Angaon RCC Tower, Malegaon Theka RCC Tower, Burad Vihira, Pendhari. 4 Nos. in Bor Range at Adegaon Check Post, Dhanoli Watch Tower, Ambhore Watch Tower, Bherachamattra Watch Tower</p>	<p>9 nos. @ 1.00 lakhs</p>	9.00	<p>Burdvihra-N-21 01' 57.1" E-78 36' 26.8" (Comp No.-46) Dubble Barrier-N-20 58 49.53" E-78 35 40.98" (Comp No.-245) Khorikhapa-N-20 58 13.2" E-78 47 00.2" (Comp No.-788) Majiksur-N-20 59 54.5" E-78 34 09.3" (Comp No.-240) Angaon-N-20 57 02.4" E-78 35 23.2" (Comp No.-256) N-21 00 14.70" E 078 43 20.10" N-20 57 23.4" E 078 42 28.1" N-21 00 34.5" E-078 41 47.2" N-20 57 58.00" E-078 41 10.00"</p>								

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	Field staff dress and equipments (sweaters, shoes, binoculars, GPS, torches, mattresses, Uniform)																	essential for field staff in performing their duties efficiently.
	Medical kit/first aid box	16.16	Bor tiger reserve	50 nos x 0.01	50 nos x 0.01													essential for field staff performing their duty efficiently.
	Health care medicines	16.16	-	-	-	0.00	0.00	Bor Tiger Reserve	50 nos x 0.01									essential for field staff performing their duty efficiently.
	Solar lights (35 nos at Protection Hut & Check Nakal)	16.16	-	-	-	0.00	0.00	Bor Tiger Reserve	35 nos x 0.17									essential for field staff performing their duty efficiently.
	Purchase of torch (Brit light Torch )	-	-	-	-	0.00	0.00	Bor Tiger Reserve	40 nos @ 0.05 lakhs									essential for field staff performing their duty efficiently.
	Field Visit / Tour	-	-	-	-	0.00	0.00	Bor Tiger Reserve	4 nos. field Visit / Tour @ 0.30									It will helpful for field exposure through tours.
	Training and Sensitization	16.8.6	Bor tiger reserve, Wardha Division	2 Workshop @ 0.50 per	2 Workshop @ 0.50 per	1.00	1.00	Bor tiger reserve	2 Workshop @ 0.40 per									essential to upgrad knowledge about core area scientific wildlife management
	Specialized training in jurisprudence and wildlife forensics for field staff	-	-	-	-	0.00	0.00	Bor Tiger Reserve	2 Workshop @ 0.40 per									essential to upgrad knowledge about core area scientific wildlife management
4	<b>Development Activities for Co-existence in Buffer Zone</b>																	
	Hand holding of relocated Navaagaon village at Khadaki.	16.6	Bor tiger reserve	LS	LS	5.00	5.00	Bor tiger reserve	1 unit of Small Scale Business (Sompadi Making) @ 3.00 lakh 2 nos. Training @ 0.40									Essential after rehabilitation of the village for post relocation spill over works, livelihood training etc.
	Providing livelihood training to youths in EDC / JFM villages	16.16	Bor tiger reserve, Wardha Division	200 youths @ 0.20	200 youths @ 0.20	40.00	40.00	Bor Tiger Reserve	200 youths @ 0.15									To reduce dependancy on Bor Tiger Reserve and avoid man animal conflict.
	Establishing livelihood training facilities for women of EDC / JFM villages	16.16	Bor tiger reserve, Wardha Division	L.S.	L.S.	1.00	1.00	Bor tiger reserve	100 Nos. @ 0.10									To reduce dependancy on Bor Tiger Reserve and avoid man animal conflict. Training for livelihood activities like tailoring etc.
	Organising workshops for sensitizing local villages around Core area	16.8.6	Bor tiger reserve,	2 Workshops @ 0.50	2 Workshops @ 0.50	1.00	1.00	Bor tiger reserve,	10 Workshops @ 0.10									For creating social fencing, sensitisation of local villagers in buffer areas of Bor Tiger Reserve is needed.

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		16.17						0.00	0.00	Bor Tiger Reserve	5 Training @ 0.25 lakhs	1.25	Awareness programme workshop & livelihood training for reduce human - tiger interface conflict and reducing the dependency on forest.
5	Eco-Development	16.1	Bor tiger reserve, Wardha Division	LS	LS			2.00	2.00	Bor tiger reserve	3 camps @ 0.50	1.50	To control the dissemination of cattle borne diseases in wildlife.
6	Anti Poaching/Monitoring activities	16.1.4	Bor tiger reserve,					10.00	10.00	Bor tiger reserve,	02 Units (05 labours x 12 m x 0.00374 x 26 day = 11.66)	11.66	This is required for executing ground work in tiger reserve. There is no STPF in Bor Tiger Reserve and the area is very sensitive. 01 Units
	Conflict Mitigation Squad lead by Forester, (ONE unit each of 5 with local labourers and hired vehicles) (Wages For Labourers, Hiring of Vehicles, Purchase of Material)												
	Clearing for Patrolling Path under electric line including circuit breakers, air bunch cabling etc.	16.1.4	Bor tiger reserve, Wardha Division					3.00	3.00	Bor tiger reserve	2 Km @ 0.10	0.20	The entire landscape is prone to serious threat of deaths due to electrocution. Needs concentrated efforts to tackle the problem. (For core and nearby areas)
	Procurement of night vision device	16.1.15						0.00	0.00	Bor Tiger Reserve	2 nos. @ 0.50	1.00	essential for field staff performing their duty efficiently.
	Batteries for base stations	16.16	Bor tiger reserve					1.05	1.05	Bor tiger reserve	7 nos @ 0.15	1.05	Since there is no electricity to operate the wireless base stations, walkie - talkies are needed to maintain basic working condition of tiger reserve. Protection camps are deep inside the forest. Hence this is the only mode of communication.
	Procurement of camera trap	16.16						NA	NA	Bor tiger reserve	200 No. @ 0.22 Lakhs	44.00	

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	Procurement of compass	16.16	NA	NA	NA	NA	NA	NA	NA	Bor tiger reserve	100 No. @ 0.055 Lakhs	5.50		
	Procurement of Range Finder	16.16	NA	NA	NA	NA	NA	NA	NA	Bor tiger reserve	100 No. @ 0.15 Lakhs	15.00		
	Purchase of GPS	16.16	NA	NA	NA	NA	NA	NA	NA	Bor tiger reserve	60 No. @ 0.15 Lakhs	9.00		
	Purchase of Android Phone	16.16	NA	NA	NA	NA	NA	NA	NA	Bor tiger reserve	50 No. @ 0.08827 Lakhs	77.91		
7	<b>POL and Maintenance/ repair of vehicles</b>													
	Vehicles Supports (Hired)/ POL	16.14	Bor tiger reserve, Wardha Division	LS	LS	8.00		8.00		Bor tiger reserve	3 Nos. patrolling Jeeps, 4 Nos. Motor Cycles, 2 Nos. Tractors	7.00		POL required for existing Vehicle
8	<b>Implementation of M-STIPES</b>	16.2.14												
	i) Field expenses- material cost for PIP, Transacts etc		Bor tiger reserve, Wardha Division	LS	LS	1.75		1.75		Bor tiger reserve	LS	0.50		Effective foot patrolling for identifying & preventing any illegal activity inside Bor tiger reserve
	ii) Computer / laptop		Bor tiger reserve, Wardha Division	3 Nos. @ 0.60	3 Nos. @ 0.60	1.80		1.80		Bor tiger reserve	1 No. @ 0.60	0.60		MSTIPES is planned to be implemented from 2016-17.
	iii) Remuneration to Computer Operator		Bor tiger reserve, Pandharkawada Division	3 Person @ 0.12 p.m.	3 Person @ 0.12 p.m.	4.32		4.32		Bor tiger reserve 3 persons	3 Person @ 0.12 p.m.	4.32		
	iv) software, hardware maintenance					0.00		0.00		Bor Tiger Reserve	5 nos. @ 0.16	0.80		
	v) Purchase of PC, Printer, Scanner, Inverter					0.00		0.00		Bor Tiger Reserve (Inverter for BTR office & MF printer)	1 no. Inverter @ 1.00 and 1 no. Multifunction Printer	1.50		
	Researcher (JRF / SRF)	16.7	Bor tiger reserve,	1 person x 12 month @ 0.30 p.m.	1 person x 12 month @ 0.30 p.m.	3.60		3.60		Bor tiger reserve,	1 person x 12 month @ 0.30 p.m.	3.60		Needed for Phase - IV, Research projects etc.
9	<b>Addressing man animal conflict</b>													
	Low cost Solar Fencing					0.00		0.00		Bor Tiger Reserve	50 Beneficiary @ 0.10 lakhs	5.00		For reducing man - animal conflict incidences
	aj/cages and rescue material	16.4.13	Wardha Division	3 cages x 0.80	3 cages x 0.80	2.40		2.40		Bor Tiger Reserve	1 no. Rescue Kit @ 1.00	1.00		Required to purchase rescue kit
10	<b>Project Allowance</b>	16.15												
	DFO - 01		Bor tiger reserve	0.01500x1x12	0.01500x1x12	0.18		0.18		Bor tiger reserve	1500x1x12	0.18		Since they are working in tiger reserve the project allowance is as per norms by NTCA.
	ACF - 01			0.01300x1x12	0.01300x1x12	0.16		0.16			1300x1x12	0.16		
	RFO - 02			0.01000x2x12	0.01000x2x12	0.24		0.24			1000x2x12	0.24		
	Forester - 04			0.00900x4x12	0.00900x4x12	0.43		0.43			900x4x12	0.43		
	Forest Guard - 36			0.00700x36x12	0.00700x36x12	3.02		3.02			700x36x12	3.02		
	Van Major - 20			0.00400x20x12	0.00400x20x12	0.96		0.96			400x20x12	0.96		
	Ministerial Staff Class - III - 09 (1-A/C, 6-Clerk, Driver - 2)			0.00700x9x12	0.00700x9x12	0.76		0.76			700x9x12	0.76		
	Ministerial Staff Class - IV - 01 (1-Peak)			0.00400x1x12	0.00400x1x12	0.05		0.05			400x1x12	0.05		

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11	Ration Allowance	16.16	Bor tiger reserve	0.00860 x 4	0.00860 x 4 x 12	0.41	0.41	Bor tiger reserve	860 x 4 x 12	0.41	As per tiger reserve norms, current year amount needs to be disbursed.	
				0.00860 x 36 x 12	0.00860 x 36 x 12	3.72	3.72		860 x 36 x 12	3.72		
				0.00860 x 20 x 12	0.00860 x 20 x 12	2.06	2.06		860 x 20 x 12	2.06		
				L.S.	L.S.	4.00	4.00		18" x 23" Poster with multicolour 170 GSM @0.00010 (7000 nos.) 6 x 3 Banner @ 0.003 (100 nos.)	1.00		
12	Awareness	16.21	Bor tiger reserve, Wardha Division	L.S.	L.S.	4.00	4.00	Bor tiger reserve			for wildlife awareness, mark entrance of Protected Area with proper board (Sign Board)	
B	Total Core					133.26	133.26			322.07		
		1	Strengthening	16.24	-	0.00	0.00	Nanbardi Beat Hingni Range Compt. No. 240/1 PF Wardha division	1 nos. @ 8.00 lakh	8.00	N 20 55 18.93 E 78 41 57.36 ,	for effective monitoring of buffer area for protection purpose
2	Habitat improvement and Water Augmentation	16.3	Wardha Division	L.S.	LS	7.00	7.00	Wardha Division. Hingani-Junewani c.no 245 (nala deeping), sajai kala- 225/6 (gabian, nala deeping), richhora- 260,- (gabian, nala deeping, vantalaav), vanarvhirar- 246- (vantalaav).	Nala deeping =4 vantalaac=2 Gabian=2	7.00		For ensuring water availability in summers and to avoid man animal conflict. Also to improve water table.
	New bore well , installation of solar pump					0.00	0.00	Wardha Division. Arvi - (bore well) 1.Bramhanwada (n) 205 , bramhanwada (S) 206, panjara gond( W) 175, Carpit (w)185 , kharanganamasad (W)- 210 RF, mesod(n)-208 RF, sonegaong (n)-185 RF, sonegaon(s)-196 RF, jaggad (N)-215, Susund(s)211 PF and 199 PF, bramhanwada rithi -269 RF, dhaga (n)- 201RF, ajandoti(s)-195 RF.	Boare well=9, solar pump= 6.	15.00	N21.03' 18.25" E 078 26.' 19.62" N21.03 '02.8", E 078 26.' 21.55" N21.01' 41.36", E 078 24' 06.8" N21.02' 53.51", E 078 24.' 42.97" N21.00' 61.2", E 078 27' 27.77" N21 01.99.56", E 078 26.' 99" N21 1.0' 2.00", E 078 30. 33" N20 59 51.96", E078 30.'19" N21 00 42.89, E 078 28.'57.7" N20 59.'10", E 078 32.'00" N20 57 33.5", E 078 31.'09.9" N21 03 42.19", E 078 28.'29.5" N21 04' 58.11", E 078 27.' 20.45"	

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	Habitat improvement measures (Solarpowered borewell with low cost water tank)	16.10.5	-	-	0.00	0.00	Nagpur Division (Range butoon, Kondhali, Hingna)	10 water holes @1.00 lakh	10.00	(Kondhali-complt.No.32- N21°03'28.98" E/78°41'71.22", complt.No.108- N21°02'09.91" E/78°41'01.59", complt.No.33- N21°03'47.43" E/78°40'56.62", complt.No.38- N21°04'01.73" E/78°39'47.50" c complt.No.38- N21°04'15.18" E/78°39'57.34" ) (Hingna-complt.No.302- N21°08'3.3" E/78°53'2.1", complt.No.303- 21°00'52" E/78°51'39" complt.No.304- N21°00'43" E/78°51'22", complt.No.306- N21°00'19" E/78°51'28", complt.No.156- N21°01'56.6" E/78°42'21.6", complt.No.780B- N21°01'08.5" E/78°42'51.2" complt.No.281- N20°55'48.1" E/78°46'29.0", complt.No.277- N20°54'16.1" E/78°47'25", complt.No.280- N20°54'18.4" E/78°48'26.3") (Butoon complt.No.336-N- 20°53'22.35" E-79°7'01.41", complt.No.396-N-20°47'16.0"E- 79°07'28.9", complt.No.395-N- 20°47'29.06" E-79°07'51.3", complt.No.394-N20°46'51.58" E-79°08'02.67", complt.No.394-N20°46'22.37" E-79°08'01.72", complt.No.342-N20°50'07.6" E-79°06'08.3", complt.No.345- N20°48'32.9" E-79°06'22.9", complt.No.342-N-20°47'55.8" E-79°05'45.6") (Kameshwar-complt.No.145-N21°09'01.8" E- 78°47'55.6", complt.No.6- N21°10'29.06" E-78°51'27.7", complt.No.192-N21°11'52.46" E-78°48'34.74)	for ensuring water availability to wild life during waiger scaracity period and to avoid man and animal conflict. Increasing water availability for wild animals.
3	<b>Staff Welfare Activities</b> Drinking water facilities at protection camps/check naka by digging borewells WATER purifier	16.3	Wardha Division	3 nos. @ 0.80 lakh	3 nos. @ 0.80 lakh	2.40	desalination of well at hingani , water cooler in range office-hingani avli in Wardha Division.	1 borewell @ 1.00 lakhs	1.00	N 20°54'42.17" E 78°42'52.07"	Drinking water facilities at protection camps/check naka for Forest Guard and Van Major essential for field staff performing their duty efficiently.
	Medical kit/first aid box	16.16	Wardha, Nagpur, Pandharkawada Division	190 nos. @ 0.01	190 nos. @ 0.01	1.90	Wardha Division - 50 nos,	50 nos. @ 0.01	0.50		

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	Field staff dress and equipments (sweaters, shoes, binoculars, GPS, torches, mattresses, Uniform)	16.16	Wardha, Nagpur Division	40 nos. x 0.25	2.00	2.00	2.00	Wardha Division	16 nos. @ 0.20	3.20	essential for field staff performing their duty efficiently.
	Toilets (precasted or ready) / Toilet Blocks	16.2.1	Wardha Division	2 Nos. @ 0.50	1.00	1.00	1.00	Wardha Division		0.00	
	Health care medicines	16.16	Wardha Division	LS	0.50	0.50	0.50	Wardha Division	50 nos. x 0.01	0.50	essential to provide first aid to the field staff
	Solar lights	16.16	Wardha, Nagpur, Division	30 nos. x 0.15	4.50	4.50	4.50	Wardha Division	20 nos. x 0.17	3.40	Required for anti-poaching camps in the forest
	Field Visit / Tour	-	-	-	0.00	0.00	0.00	Wardha Division	2 nos. @ 0.30	0.60	It will be helpful for field exposure through tours.
	Training and Sensitization	16.8.6	-	-	0.00	0.00	0.00	Wardha Division	1 Workshop @ 0.40 per	0.40	essential to upgrade knowledge about core area scientific wildlife management
4	<b>Development Activities for Co-existence in Buffer Zone</b>										
	Providing livelihood training to youths in EDC / JFM villages	-	-	-	0.00	0.00	0.00	Wardha Division	15 youths @ 0.10	1.50	To reduce dependency on Bor Tiger Reserve and avoid man animal conflict.
	Establishing livelihood training facilities for women of EDC / JFM villages	-	-	-	0.00	0.00	0.00	Wardha Division	2 nos. @ 0.50	1.00	To reduce dependency on Bor Tiger Reserve and avoid man animal conflict. Training for livelihood activities like tailoring etc.
	Prophylactic immunization of cattle including AI and Castration, diseases surveillance	-	-	-	0.00	0.00	0.00	Wardha Division	1 camp @ 0.75	0.75	To control the dissemination of cattle borne diseases in wildlife.
	Organising workshops for sensitizing local villagers, students and stakeholders in buffer area	16.8.6	Wardha, Nagpur, Pandharkawada Division	5 Workshops @ 0.50	2.00	2.00	2.00	Nagpur Division	5 Workshops @ 0.40	2.00	Organized general and special workshops for creating social fencing, sensitisation of local villagers for livelihood aspects and ecodevelopment in buffer areas of Bor Tiger Reserve is needed on Man-Animal conflicts.
5	<b>Anti Poaching/Monitoring activities</b>										

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6	Patrolling for wild life crime investigation	16.14	-	-	0.00	0.00	Wardha Division	5 No. @ 0.2	1.00		The entire landscape is prone to serious threat of deaths due to electrocution. Needs concentrated efforts to tackle the problem. (For core and nearby areas)	
	Anti Poaching camp in Hiranga Range (Adegaon, Pendhari, Katholbaraj)	16.14	-	-	0.00	0.00	Nagpur Division	1 nos. @ 8.00	8.00	Hiranga-Adegaon-N21901 21 6' E07894418.4'		
	Squad for Anti-poaching activities	-	-	-	0.00	0.00	Wardha Division	1 No. @ 1.50 Lakhs	1.50		To engage local villager squad to avoid electrocution in summer season in which more chances due to tiger straggling in Agri. Field	
	<b>Implementation of M-STIPES</b>	16.2.14	-	-	-	-	-	-	-	-	-	
	i) Equipments - PDA to Field Staff	-	Bor tiger reserve, Wardha Division	55 nos. @ 0.08827	55 nos. @ 0.08827	4.85	4.85	Wardha, Nagpur Division	50 nos. @ 0.10 lakh	5.00		Effective foot patrolling for identifying & preventing any illegal activity inside Bor tiger reserve
	ii) Field expenses- material cost for PIP- Transsects etc	-	-	-	-	0.00	0.00	Wardha Division	LS	0.60		MSTIPES is planned to be implemented from 2019-20.
	iii) Computer /Laptop	-	-	-	-	0.00	0.00	Wardha Division	2 Nos. @ 0.60	1.20		
	iv) M-STIPES Booklet Printing	-	Bor tiger reserve, Wardha Division	LS	LS	1.25	1.25	Wardha Division	1000 nos. @ 0.001	1.00		
	v) software, hardware maintenance	-	-	-	-	0.00	0.00	Wardha Division	LS	2.00		
	vi) Establishing Monitoring system for tigers intensive protection and Ecological Status (M-Stipes) monitoring. (Monitoring of Underpasses)	16.2.27	-	-	-	0.00	0.00	Nagpur Division	Camera Traps and accessories 20 nos. @ 0.25	5.00		
7	<b>Addressing man animal conflict</b>	-	-	-	-	-	-	-	-	-	-	
	Low cost Solar Fencing	-	Wardha Division	50 Beneficiary @ 0.15 lakh	50 Beneficiary @ 0.15 lakh	7.50	7.50	Wardha Division	50 Beneficiary @ 0.10 lakhs	5.00		essential to reduce man - animal conflict and crop protection
8	o) solar fencing / chainlink fencing	16.16	Wardha Division	02 KM@ 5.00 lakh	02 KM@ 5.00 lakh	10.00	10.00	-	-	0.00		
	<b>Project Allowance</b>	16.8.2	Wardha, Nagpur Division	-	-	0.00	0.00	Wardha Division	-	-	-	
	DCF -1	-	-	-	-	0.00	0.00	-	-	0.18		Since they are working in tiger reserve the project allowance is as per norms by NTCA.
	ACF -2	-	-	0.013x1x12	0.013x1x12	0.16	0.16	-	0.015x1x12	0.31		
	RFO -4	-	-	0.01x3x12	0.01x3x12	0.36	0.36	-	0.013x2x12	0.48		
	Forester -14	-	-	0.009x20x1	0.009x20x12	2.16	2.16	-	0.01x4x12	1.51		
Forest Guard -55	-	-	0.007x7x4x1	0.007x7x4x12	6.22	6.22	-	0.009x14x12	4.62			

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9	Van Major -35 Ministerial Staff Class - III - 04 (3-A/C, Tractor Driver - 1)	0.004x36x1 2 0.007x5x12	0.004x36x12 0.007x5x12	1.73 0.42	1.73 0.42	0.004x35x12 0.007x4x12	1.68 0.37	Wardha Division, Nagpur	18" x 23" Poster with multicolour 170 GSM @0.00010 (10000 nos.) 6' x 3' Banner @ 0.002 (500 nos.)	1.00	Mass awareness programme in society to support tiger conservation.
10	Man - animal conflict mitigation a/cages and rescue material	16.4.1.3		0.00	0.00	3 No. @	2.50	Wardha Division		2.50	Purchase of materials for rescue /trap cages/transporting cages
Total of Buffer Area (Nagpur and Wardha Division)											100.30
B	Adjoining Tiger Bearing Area (Pandharkawada Division)										
1	Strengthening										
2	Mainstreaming wildlife concerns										
3	Staff Welfare Activities										
	Procurement of torches (LED)	16.16	Pandharkawada Division	100 nos. @ 0.01	1.00	100 nos. @ 0.01	1.00			0.00	
	Supply of torch	16.16	Pandharkawada Division	2 Nos. @ 0.09	0.18	2 Nos. @ 0.09	0.18			0.00	
	Supply of field kit	16.16			0.00		1.00	Pandharkawada Division	100 kits @ 0.01	1.00	essential for field staff performing their duty efficiently.
4	Anti Poaching/Monitoring activities										
	Organizing vehicular patrolling by constituting squad (TPF) (Comprising of field staff, labours with wireless handsets) to contact the other staff to avoid human tiger conflict and make it more real time Procurement of night vision device Procurement of binoculars	16.1.4 16.1.15 16.1.15	Pandharkawada Division Pandharkawada Division Pandharkawada Division	LS 2 nos. @ 0.55 7 nos. @ 0.15	6.00 1.10 1.05	LS 2 nos. @ 0.55 7 nos. @ 0.15	6.00 1.10 1.05			0.00 0.00	
5	Implementation of M-	16.2.14									

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STIPES												
	Remuneration to Computer Operator				0.00	0.00		Pandharkawada Division	1 Person @ 0.12 p.m.	1.44		To implement Phase IV monitoring as per NITCA norms.
	PDA to Field Staff				0.00	0.00		Pandharkawada Division	30 nos @ 0.10	3.00		
6	Development Activities for Co-existence in Adjoining Tiger Bearing Area											
	Livelihood activities and training. Activities to reduce human - tiger interface conflict	16.17	Pandharkawada Division	LS	LS	12.00	12.00			0.00		
	Activities to reduce human - tiger interface conflict (Awareness programme workshop & documents)					0.00	0.00	Pandharkawada Division	2 nos. @ 0.50	1.00		For creating social fencing, sensitisation of local villagers in buffer areas of Bor Tiger Reserve is needed.
	Total of Adjoining Tiger Bearing Area (Pandharkawada Division)					21.33	21.33			6.44		
	NON-RECURRING (Core + Buffer + Adjoining Tiger Bearing Area)					210.53	210.53			428.81		
B	RECURRING											
A	CORE											
1	Strengthening											
	c) Construction of 2 nos Type - 1 Quarter	16.2.1				0.00	0.00	Bor Tiger Reserve (Bordhran Forest Colony)	02 Nos. @ 10.00 lakh	20.00	N-20° 57' 25.6" E-078° 42' 28.15"	essential for field staff performing their duty efficiently.
	Maintenance of Administrative building (Rent & Other expenses)	16.2.1	Bor tiger reserve	LS	LS	10.00	10.00	Bor tiger reserve	1 nos.	10.00		essential for field staff performing their duty efficiently.
	Maintenance of Range offices (including Electric bill, water bill, telephone bill, stationery etc.)	16.2.1	Bor tiger reserve	2 R.F.O. @ 0.500	2 R.F.O. @ 0.500	1.00	1.00	Bor tiger reserve	2 R.F.O. @ 0.50 lakhs	1.00		
	Purchase of camera traps, batteries and memory card for monitoring of the tigers	16.10.1.3	Bor tiger reserve, Wardha, Nagpur, Pandharkawada Division	410 @ 0.22 lakhs	410 @ 0.22 lakhs	90.20	90.20	Bor tiger reserve	Camera Trap 25 nos @ 0.22 lakhs= 5.50 lakhs AA size Batteries 25000 nos @ 0.00020 lakhs= 5.0 lakhs	10.50		To implement Phase IV monitoring as per NITCA norms.
2	Research and equipment											
	Purchase of Range finder	16.7				0.00	0.00	Bor Tiger Reserve	20 nos @ 0.16 lakhs	3.20		essential for field staff performing their duty efficiently.
3	Anti Poaching/Monitoring activities											
	Anti-grazing squad	16.1.2	Bor tiger reserve	4 person X 2 places X 7 months X 0.09230	4 person X 2 places X 7 months X 0.09230	5.17	5.17			0.00		

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4	Wages of Anti-poaching camp labour	16.1.3	Bor tiger reserve	5 APCs X 3 Persons X 12 @ 0.09230 p.m.	16.61	16.61	Bor tiger reserve	5 APCs X 3 Persons X 12 X 0.00374 x 26 days	17.50		Basic requirement for protection and communication inside tiger reserve.
	Wages for wireless operator	16.1.13	Bor tiger reserve	2 control room X 3 person X 12 @ 0.09230 p.m.	6.65	6.65	Bor tiger reserve	2 control room X 3 person X 12 X 0.00374 x 26 days	7.00		Basic requirement for protection and communication inside tiger reserve.
	Wages for driver of vehicle	16.1.3	Bor tiger reserve	4 drivers X12 @ 0.09630 for 02 nos. Jeep /02 nos. tractor L.S.	4.62	4.62	Bor tiger reserve	4 drivers X12 X 0.00374 x 26 days for 02 nos. Jeep /02 nos. tractor	4.67		These vehicles are used in protection and monitoring very few regular staff available
	Payment of fee to pleader in offence cases	16.1.13	Bor tiger reserve	L.S.	1.00	1.00	Bor tiger reserve	Approximate 5 cases @ 0.20	1.00		Legal support for defending court cases.
5	Maintenance / repair / vehicles / Fuel										
	i) Diesel Vehicles - 4	16.1.14	Bor tiger reserve	Diesel - 4 @ 1.50	3.20	3.20	Bor tiger reserve	Diesel - 4 @ 0.875	3.50		
	ii) Motorcycles - 4	16.1.14	Bor tiger reserve	Motorcycle - 4 @ 50.00	0.60	0.60	Bor tiger reserve	Motorcycle - 4 @ 0.175	0.70		
	Wages for check Naka labours	16.1.3	Bor tiger reserve	4 check naka x 3 person x 12 month x 0.09230 L.S.	13.29	13.29	Bor tiger reserve	4 check naka x 3 person x 12 month X 0.00374 x 26 days	14.00		Basic requirement for protection and communication inside tiger reserve.
Rewards to informers.	16.1.12	Bor tiger reserve, Wardha, Pandharkawada Division	L.S.	1.10	1.10	Bor tiger reserve	LS	0.50		required to gather intelligence from local informers	
6	Firelines cutting and burning										
	A Class - 12 meters	16.2.6	Bor tiger reserve	87.20 Km @ 18 m.days/km, total: 1570 m.day x 0.00355 per day	5.57	5.57	Bor tiger reserve	87.20 Km @ 18 m.days/km, total: 1570 m.day x 0.00374 per day	5.87		Essential for protection of forest against forest fire.

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B Class - 6 meters	16.26	Bot tiger reserve	235.60 Km @10 m days/km, total = 2356 mday x 0.00374 per day	235.60 Km @10 m days/km, total = 2356 mday x 0.00374 per day	8.36	8.36	Bot tiger reserve	235.60 Km @10 m days/km, total = 2356 mday x 0.00374 per day	8.81	Start-N2120.78 E7829520.8, End-N21055.32 E783442.31 N20 58 56.2 E78 45 47.8 N 20 59 8.2 E78 44 10.6 N20 58 26.7 E78 47 3.8 N20 58 21 E78 45 32.1 N20 59 54.88 E78 46 51.67 N21 0 0.2 E78 46 19.8 N21 0 0.2 E78 46 19.8 N21 0 7.01 E78 46 23.15 E78 46 23.15 N20 59 53.63 E78 38 40 56 N21 0 32.22 E78 39 16.39 N20 58 56.3 E78 40 30.3 N21 59 22.6 E78 39 59.9 N20 59 54.88 E78 46 51.67 N21 0 0.2 E78 46 19.8 N20 59 54.88 E78 46 51.67 N21 0 0.2 E78 46 19.8 N20 59 18.68 E78 37 14.32 N20 58 0.48 E78 37 8.16 N20 57 23 E78 51 14.8 N20 59 52.1 E78 39 14.1 N20 58 32.6 E78 40 30.16 N20 59 43.82 E78 38 5.32 N20 58 36.18 E78 41 0.64 N20 58 32.6 E78 40 30.16 N20 58 26.1 E78 40 20.3 N20 0 50.8 E78 41 14.4 N20 59 53.6 E78 38 21.9 N20 59 52.1 E78 39 14.1 N20 59 53.6 E78 38 21.9 N21 0 15.03 E78 37 44.7 N20 59 53.8 E78 38 21.8 N21 0 15.03 E78 37 46.6 N21 59 52.6 E78 42 57.7 N21 0 50.8 E78 41 14.4 N20 59 52.5 E78 42 57.7 N21 1 15.07 E78 40 59.7 N21 0 24.01 E78 43 34.2 N21 59 52.5 E78 42 57.7 Start-N20567.32 E783552.29, End-N21044.64 E78355.53 Start-N20574.99 E78352.17, End-N205756.59 E783547.27 Start-N20574.99 E78352.17, End-N205948.55 E78355.41 Start-N20572.66 E783546, End-N205797.11 E783524.37 Start-N20574.99 E78352.17, End-N20580.48 E78374.16 Start-N209818.89 E783714.36, End-N20984.38 E783727.5 Start-N20987.14 E783829.58, End-N2101.3 E78376.16 Start-N20980.38 E78377.82, End-N205755.12 E783826.81 Start-N2101.39 E78378.42, End-N20980.52 E783833.81 Start-N21043.64 E783751.17, End-N20128.36 E783818.75 Start-N21043.64 E78375.17, End-N20039.12 E783818.75 Start-N21021.77 E783826.17, End-N2132.78 E78355.37 Start-N205956.73 E783824.8, End-N21033.49 E78344.93 Start-N21053.6 E78344.25, End-N2114.17 E783428.01 Start-N205449.76 E784619.18, End-N2087.79 E784514.14 Start-N20576.58 783651.43, End-N21036.75 E783823.79
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7	Engagement of firewatchers for 2.5 month (01/04/2019 to 15/06/2019)	16.2.6	Bor tiger reserve	2.5 months x 25 person @ 0.09	5.77	5.77			1.5 months x 25 person x 0.00374 per day	0.00		Essential for protection of forest against forest fire.		
	Engagement of firewatchers for 1.5 month (15/02/2020 to 31/03/2020)	16.2.6	Bor tiger reserve	1.5 months x 25 person @ 0.09230	3.46	3.46				3.65				
	Maintenance of Forest Roads i) Murrum Road - 180.00 km	16.2.2	Bor tiger reserve	104.00 km @ 0.10	10.40	10.40	Bor tiger reserve total - 180 Km		180 km @ 0.10	18.00		For regular and seamless patrolling for prevention of any illegal activities.		
8	i) Earthen Road - 115.0 km  Staff Development Weapon training of all field staff of Core area of Bor tiger reserve. Training of all Beat Guards of Bor Tiger Reserve in a) Protection monitoring and legal aspect b) GPS/PDA/ Camera trap Habitat Improvement / Water Augmentation work Weed eradication (Third year weeding for establishment of Grass Land in Navagaon Rehabilitation village.)	16.2.2	Bor tiger reserve	115.00 km @ 0.07	8.05	8.05			2 nos. @ 0.50	1.00		Staff capacity building activities. (For Phase - IV, M-STNPES, Eco-development)		
			Bor tiger reserve	LS	1.00	1.00	Bor tiger reserve							
		16.8.1	Bor tiger reserve	4 training @ 0.50 lakhs	2.00	2.00	Bor tiger reserve		4 training @ 0.50 lakhs	2.00				
		16.3	Bor tiger reserve	200 ha. X 15 m.d. per ha. X 0.00355 per day	10.65	10.65	Bor tiger reserve		200 ha. X 15 m.d. per ha. X 0.00374 per day	11.22			It is essential to maintain the meadow established at Navagaon Rehabilitation site by removing weeds.	

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	Planting of local grass species	16.3	Bor tiger reserve	50 ha. X 10 m.d. per ha. X 0.0355 per day	50 ha. X 10 m.d. per ha. X 0.0355 per day	1.78	1.78	Bor tiger reserve	25 ha X 15 m.d. per ha. X 0.00374 per day	1.40	21.0067 Start E-78.56595 N-21.01399 End E-78.583782 N-21.014252 Start E-78.583844 N-20.994728 End E-78.59312 N-21.00191 Start E-78.58945 N-21.0116 End E-78.585228 N-21.012203 Start E-78.58084 N-21.01372 End E-78.583742 N-21.010345 Start E-78.59439 N-20.99654 End E-78.60001 N-21.00253 Start E-78.59781N-21.01274 End E-78.598235 N-21.009811 Start E-78.6 N-21.00533 End E-78.60432 N-21.01125 Start E-78.597748 N-21.01341 End E-78.586099 N-21.010073 N20 58' 00.3" E 078 37' 00.4" N21 02' 48.9" E 078 35' 26.8" N21 00' 36.7" E 078 38' 31.5" N21 00' 44.0" E 078 37' 15.2"	Bor Dam side local grass species planting
	Rejuvenation of Nallas (like deeping, dry rubble bund, gabion dam etc.)	16.3	Bor tiger reserve	1 Micro water shed per day	1 Micro water shed	20.00	20.00			8.40		to assured water supply to wild animals in summer
	Providing water by tanker in existing 50 artificial waterhole on summer	16.3	Bor tiger reserve, Wardha Division	30 nos. tanker x 0.25	30 nos tanker x 0.25	7.50	7.50	Bor tiger reserve	700 nos. tanker trips x 0.012	1.00		to assured water supply to wild animals in summer
	Maintenance of existing water holes	16.3	Bor tiger reserve	40 Water holes at rate 0.15 each	40 Water holes at rate 0.15 each	6.00	6.00	Bor tiger reserve	20 Water holes at rate 0.05 each	1.00		
10	<b>Habitat Management</b>											
	Removal of Iantana, Parthenium and other invasive weeds from the infested area of core area for 1st year. (With SMC works and Grass Seeding work)	16.3	Bor tiger reserve	400 ha. X 20 m.d. x 0.00355 p.day	400 ha. X 20 m.d. x 0.00355 p.day	14.20	14.20	Bor tiger reserve	400 ha X 20 m.d. x 0.00374 p day	32.72	N20 57' 37.3 E78 44' 16.1 N20 58' 20.36 E78 45' 36.56 N29 0' 10.19 E78 44' 38.32 Amgason-N-20 57' 0.0" E 078 35' 27.5 Com no. 256 75% Hecfor Majr. Com no. 45 50% Hecfor Uamrnkh-N-21 04' 37.15" E 078 59' 39.8 Com no. 49 50% Hecfor N20 58' 31.22 E78 43' 12.44 N20 58' 27.29 E78 38' 18 N20 58 37.1 E78 40 33.4 N20 58 45.3 E78 45 45 47 N21 0 28 88 E78 45 26 15 Amgason-N-20 57' 38.0" E 078 35' 03.2 Com no. 246 65% Hecfor Majr. N-21 01' 44.0" E- 78 38' 13.5 Com no. 45 62% Hecfor Uamrnkh-N-21 00' 56.4" E 078 36' 43.2 Com no. 49 25% Hecfor	For habitat quality improvement
	Removal of Iantana, Parthenium and other invasive weeds from the infested area of core area for 2nd year. (With SMC works and Grass Seeding work)		Bor tiger reserve	150 ha. X 15 m.d. x 0.00355 p.day	150 ha. X 15 m.d. x 0.00355 p.day	7.99	7.99	Bor tiger reserve	250 ha X 10 m.d. x 0.00374 p day	9.35		2nd Year operation on areas worked in 2018-19 for the first time.

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	Removal of Jantana, Parthenium and other invasive weeds from the infested area of core area for 3rd year. (With SMC works and Grass Seeding work)	Bor tiger reserve	100 ha. X 15 m.d. x 0.00355 p.day	5.31	Bor tiger reserve	180 ha. X 05 m.d. x 0.00374 p.day	3.37	N20 58 10.8 E 78 40 53.7 N20 58 18.91 E 78 43 8.29 N21 0 14.63 E 78 43 20.8 Mec- N-21 01' 11.6" E- 78 36' 38.2 Com no. 45 50% Hectar Navigation North-N-21 00' 37.3" E 078 34' 48.1 Com no. 240 50% Hectar	3rd Year operation on areas worked in 2017-18 for the second time.
	<b>Total Core</b>			<b>271.48</b>			<b>200.36</b>		
<b>B</b>	<b>Buffer Area (Nagpur and Wardha Division)</b>								
<b>1</b>	<b>Establishment of Wireless Infrastructure</b>								
	i) batteries for base station	Wardha Division	28 Nos. @ 0.10	2.80	Wardha Division	28 Nos. @ 0.10	2.80		Since there is no electricity to operate the wireless base stations, walkie-talkies are needed to maintain basic working condition of tiger reserve. Protection camps are deep inside the forest. Hence this is the only mode of communication.
	j) Maintenance of wireless infrastructure	Wardha Division	LS	2.50	Wardha Division	Wardha Division	2.00		For effective communication
	Construction of wireless tower- Garamsur, Dhanoli			0.00	Wardha Division	2 x 3 LACS	6.00	N21 01' 11.49" E 078 39' 52.36"	Basic requirement for protection and communication inside tiger reserve.
<b>2</b>	<b>Anti Poaching/Monitoring activities</b>								
	Wages for wireless operator	Wardha Division	2 control room X2 person X12 @ 0.09230	4.44	Wardha Division	2 control room X2 person X12 x 0.00374 x 26 days	4.67	N-2074.55.661 E 78461.10.05 N-21003.53.881 E 7823.00.63 N-20939.17.091 E 7906.52.20	Basic requirement for protection and communication inside tiger reserve.
	Wages for check Naka labours	Wardha, Nagpur Division	4 check naka x 6 person x 12 month x 0.09230	26.58			0.00		
	Deployment of camp labourers for patrolling			0.00	Nagpur Division (Kondhali & Hingra)	2 camps x 3 person x 12 month x 0.00374 x 26 days	7.00		Basic requirement for protection
	Squad for Anti-poaching activities			0.00	Wardha Division	LS	1.00		To engage local villager squad to avoid electrocution in summer season in which more chances due to tiger strangle in Agri Field
<b>3</b>	<b>Wages for driver of vehicle</b>								

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6 drivers	16.2.8	Wardha, Nagpur Division	6 drivers = 6 X 12 @ 0.09630	6 drivers = 6 X 12 @ 0.09630	6.93	6.93	Wardha Division	6 drivers = 6 X 12 x 0.00374 x 26 days	7.00	(Kondhal-Khapra-N.21,04953, E78.684425) (Hingna-Sawali-N20°55'23.3" E78°5'10.8")	Basic requirement for protection
Maintenance of existing patrolling camps/showa (Chowki in Hingna and Kondhal Range (Hingna-Sawali, Kondhal-Khapra)					0.00	0.00	Chowki in Hingna and Kondhal Range (Hingna-Sawali, Kondhal-Khapra) of Nagpur Division	2 nos. @ 1.00 lakhs	2.00		
Rewards to informers.	16.1.12				0.00	0.00	Wardha Division	LS	0.20		required to gather intelligence from local informers
Payment of fee to pleader in offence cases	16.1.13	Wardha Division	L.S.	L.S.	0.40	0.40	Wardha Division	Approximate 2 cases @ 0.20	0.40		
Strengthening	16.2.1	Wardha Division	LS	LS	2.50	2.50	Wardha Division	LS	0.00		
Maintenance of residential and other administrative building					0.00	0.00	Wardha Division	2 No. @ 3.5 Lakhs	7.00	N 20 50 51.75E 78 47 52.86 ,	to avoid encroachment and providing protection
Repairs to quarter					0.00	0.00	Wardha Division	1 No. @ 5 Lakhs	5.00	N20 53. 43.32', E 078 50.53.49'	to avoid encroachment and providing protection
	16.2.1	Wardha Division	3 nos. @ 2.00 Lakh	3 nos. @ 2.00 Lakh	6.00	6.00	Wardha Division (new quarter-hingna-seldon and DCF office)	1 No. @ 3 Lakhs	3.00	N20.54.42.33' E 078.42.52.38'	to avoid encroachment and providing protection
	16.2.1	Wardha Division	1 no. @ 2.90 Lakh	1 no. @ 2.90 Lakh	2.90	2.90	Wardha Division (lagadger guard quarter & DCF quarter repairing)	1 No. @ 9.50 lakh	9.50	N20.59.31.86', E 078.33.36.05'	to avoid encroachment and providing protection
					0.00	0.00	Wardha Division (hingri range -chain link fencing ACF Quarter, sahur- (g type 1 qur)			N 20 50 51.75E 78 47 52.86 ,	
5	16.2.1	Wardha, Nagpur, Pandharkawada Division	Diesel Vehicles - 8 Repair - 8 @ 0.75	Diesel Vehicles Repair - 8 @ 0.75	6.00	6.00	Wardha Division	Diesel Vehicles - 4 @ 1.00	4.00		Vehicle maintenance need for all vehicle
Maintenance / repair / vehicles /fuel											
	16.2.1	Wardha Division	Motorcycle - 2 @ 0.20	Motorcycle - 2 @ 0.20	0.40	0.40	Wardha Division	Motorcycle - 2 @ 0.20	0.40		Vehicle maintenance need for all vehicle
	16.2.1	Wardha, Nagpur, Pandharkawada Division	Diesel Vehicles - 17 (Fuel)	Diesel Vehicles Fuel - 8 @ 1.25	10.00	10.00	Wardha, Nagpur Division	Diesel Vehicles 12 nos. @ 2.00	10.00		Vehicle maintenance need for all vehicle
6	16.10.1.3				0.00	0.00	Wardha Division 15 nos. and Nagpur Division 50 nos	65 @ 0.22	14.30		To implement Phase IV monitoring as per NITCA norms.
Mainstreaming wildlife concern in Tiger bearing forests (buffer) and corridor											
Purchase of camera traps, batteries and memory card for monitoring of the tigers											
Habitat Management											

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Weed Eradication	16.3	Wardha Pancharkwada Division & FDCM Pancharkwada	Eradication of Lantana & weeds in 845 ha. @ X 20 m.d. x 0.00355 p.day	Eradication of Lantana & weeds in 845 ha. @ X 20 m.d. x 0.00355 p.day	60.00	60.00	Wardha (masod (w)- 211 RF, ladgaon(s)-186,187 RF, ladgaon(s)-215, 217, susund(s)-212 RF, bor-236, 238, sondi(s)-237, khadki- 270, wedgaon-271) total - 300 Ha. Nagpur Division (Bulbori, Kondhali, Hingna Range) Total - 200 ha.	Eradication of Lantana & weeds in 500 ha. @ X 10 m.d. x 0.00374 p.day	18.70	removal of lantana weeds to improve visibility assist natural regeneration, providing grass and fodder to wildlife
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8		Firelines cutting and burning									
A' Class - 12 mtr.	16.26	Wardha, Nagpur Division	270 Km @18 m.days/km, total: 4860 m.day x 0.00355 per day	270 Km @18 m.days/km, total: 4860 m.day x 0.00355 per day	17.25	17.25	Wardha Division	180 Km @18 m.days/km, total: 3240 m.day x 0.00374 per day	12.12	N-20*51.329° E:078*49.064° N-20*53.094° E:078*51.116° N-20*54.364° E:078*36.012° N-20*56.181° E:078*36.167° N-20*58.154° E:078*36.487° N-20*56.467° E:078*37.069° N-21*00.28° E:78*28.19° N-21*00.30° E:78*28.36° N-20*58.587° E:78*30.367° N-20*58.287° E:78*29.160°	Essential for protection of forest against forest fire.
	16.26	Wardha, Nagpur Division	190.00 Km @10m.days /km, total = 1900 m.day x 0.00355 per day	190.00 Km @10m.days/km, total = 1900 m.day x 0.00355 per day	6.75	6.75	Wardha Division	96 Km @10 m.days/km, total: 9500 m.day x 0.00374 per day	3.55	N-21*01.094° E:078*39.225° N-20*00.537° E:078*39.333° N-21*01.588° E:078*39.124° N-21*01.479° E:078*40.033° N-20*56.277° E:078*38.362° N-20*57.429° E:078*41.014° N-20*57.129° E:078*36.286° N-20*56.142° E:078*39.073° N-20*58.014° E:078*42.249° N-20*58.014° E:078*42.249° N-20*55.151° E:078*43.692° N-20*55.140° E:078*45.132° N-20*57.580° E:078*30.530° N-20*59.00° E:078*33.00° N-20*08.00° E:078*26.10°	Essential for protection of forest against forest fire.
	16.26	Wardha, Nagpur Division	2.5 months x 40 person @ 0.09230	2.5 months x 40 person @ 0.09230	9.23	9.23	Wardha Division	2.5 months x 32 person x 0.00374 per day	8.98	Necessary for fire detection and control in buffer area during fire season	
Engagement of firewatchers for 1.5 month (15/02/2020 to 31/03/2020)	16.26	Wardha, Nagpur Division	1.5 months x 40 person @ 0.09230	1.5 months x 40 person @ 0.09230	5.54	5.54	Wardha Division	1.5 months x 32 person x 0.00374 per day	5.38	Necessary for fire detection and control in buffer area during fire season	
	16.22	Wardha Division	75 km @ 0.10	75 km @ 0.10	7.50	7.50	Wardha Division (1)masod (n)- 3 km 2)songaon(n)- 7 km 3) songaon(s)-4.7 km 4) ladgaon(n)- 1.5 km 5)Susund(s)-2.5 km, 6)dahegaon gondi 5.7 km, 7)Bramhanwada rithi-7km, 8) kachhur- 7 km, 9)bangdapur(w)-3.2km, 10)bangdapur (s)- 4.7 km, 11)dhagaal(s)- 7.2 km, 12)dhagaal(n)-2.4km, 13)jalandh(s)- 2.7km, 14)jalandh(n)-1 km) total - 65.00 km	65 km @ 0.10	6.50	N20 58. 24° E 078 29. 8° N21 58. 24° E 078 29. 8° N 21 58 24 E 78 29. 4	For regular and seamless patrolling for prevention of any illegal activities.
9		Maintenance of Forest Roads									
j) Murum Road - 104.00 km	16.22	Wardha Division	75 km @ 0.10	75 km @ 0.10	7.50	7.50	Wardha Division (1)masod (n)- 3 km 2)songaon(n)- 7 km 3) songaon(s)-4.7 km 4) ladgaon(n)- 1.5 km 5)Susund(s)-2.5 km, 6)dahegaon gondi 5.7 km, 7)Bramhanwada rithi-7km, 8) kachhur- 7 km, 9)bangdapur(w)-3.2km, 10)bangdapur (s)- 4.7 km, 11)dhagaal(s)- 7.2 km, 12)dhagaal(n)-2.4km, 13)jalandh(s)- 2.7km, 14)jalandh(n)-1 km) total - 65.00 km	65 km @ 0.10	6.50	N20 58. 24° E 078 29. 8° N21 58. 24° E 078 29. 8° N 21 58 24 E 78 29. 4	For regular and seamless patrolling for prevention of any illegal activities.
	16.22	Wardha Division	75 km @ 0.10	75 km @ 0.10	7.50	7.50	Wardha Division (1)masod (n)- 3 km 2)songaon(n)- 7 km 3) songaon(s)-4.7 km 4) ladgaon(n)- 1.5 km 5)Susund(s)-2.5 km, 6)dahegaon gondi 5.7 km, 7)Bramhanwada rithi-7km, 8) kachhur- 7 km, 9)bangdapur(w)-3.2km, 10)bangdapur (s)- 4.7 km, 11)dhagaal(s)- 7.2 km, 12)dhagaal(n)-2.4km, 13)jalandh(s)- 2.7km, 14)jalandh(n)-1 km) total - 65.00 km	65 km @ 0.10	6.50	N20 58. 24° E 078 29. 8° N21 58. 24° E 078 29. 8° N 21 58 24 E 78 29. 4	For regular and seamless patrolling for prevention of any illegal activities.
10		Staff Development									

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	Weapon training of all field staff of Nagpur & Wardha Division	16.8.1	Wardha, Nagpur Division	2 training @ 1.00 lakhs	2.00	2.00	2.00	2 training @ 1.00 lakhs	2.00	2.00	Wardha Division	1 nos. @ 0.50	0.00		Staff capacity building activities.	
	Workshop on legal aspects and NTCA SOP.		Wardha, Nagpur Division	4 workshop @ 0.50 lakhs	2.00	2.00	2.00	4 workshop @ 0.50 lakhs	2.00	2.00	Wardha Division	1 nos. @ 0.50	0.50		Staff capacity building activities.	
	Specialized training in Jurisprudence wildlife forensics	16.8.4	-	-	0.00	0.00	0.00	-	0.00	0.00	Nagpur Division - 2 nos.	2 training x 0.40	0.80		Staff capacity building activities.	
	Purchase of Torch for night patrolling and nakas		-	-	0.00	0.00	0.00	-	0.00	0.00	Nagpur Division	5 nos. @ 0.01	0.05		for night patrolling and nakas	
11	<b>Water Augmentation work</b>															
	Maintenance of existing water holes	16.3	Wardha Division	21 Water holes at rate 0.10 each	2.10	2.10	2.10	21 Water holes at rate 0.10 each	2.10	2.10	Wardha Division	20 nos. @ 0.10	2.00	N-20044.640, E078020.807 N-20044.977, E078020.569 N-20045.121, E078020.169 N-21002.221, E078032.336 N-21002.312, E078032.369 N-21002.501, E078034.324 N2101.20.29 E-078.23.51.082 N-20056.124, E078044.084 N-20054.780, E078044.065 N-20056.192, E078044.065 N-20054.864, E078046.940 N-20054.875, E078046.940 N-20054.860, E078046.073 N-20054.628, E078046.263 N-20054.532, E078046.321 N-21004.192, E078028.100 N-20059.081, E078031.036 N-21001.354, E078029.355 N-21001.300, E078029.290 N-21000.490, E078028.200		to ensure water supply to wild animals in summer
	creation of new water holes with solar pump	16.3	Wardha Division	09 Water holes at rate 0.30 each	2.70	2.70	2.70	09 Water holes at rate 0.30 each	2.70	2.70	Wardha Division (1), Arvi- Bramhanwada(n)-205, bramhanwada(s)- 206, penjara gondi(e)- 175fr, garpli(w)-183fr 2)kharangana- Masod(w)- 210fr, masod(n)- 208fr, sonagaon(n)-185fr, sonagaon(s)- 214fr, susund(s)- 211fr, sabeli- 199fr, bramhanwada rithi- 269fr, dhaga(n)-201fr, ajandoti(s)-193fr, Hingni 3 sites)	15 Water holes with solar pump N21.03.18.25, E.078.26 *19.62 N21.0.3.02.3, E.078.26.21.5" N21.01.41.36, E.078.24.06.8" N.21.02.53.51 E.078.24.42.97 N21.00.61.2, E.078.27.1 27.77" N21.01.99.56, E.078.26.99" N21.1.0.2.00, E.078.30.33" N20.59.51.96, E078.30.19" N21.00.42.59, E.078.28.1 57.7" N20.59.10, E.078.32.00" N20.57.33.5, E.078.31.09.9" N20.57.19, E.078.31.28" N21.03.42.19, E.078.28.1 29.5" N21.04.58.11, E.078.27.1 20.45"		to ensure water supply to wild animals in summer		

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	Construction of earthen bunds to increase water availability in waterholes Deepening of naals				0.00	0.00	Deepening of naals ,kharangana-masod(n)-208 ft, masod(w)-210 ft, lagdad(n)-217 ft, bokhedi-264 ft, himgiri, karanja, asrhi-124 ft	850 mt	4.00	For ensuring water availability inside forest (protected area- Bor Tiger Reserve) in summers and to avoid man animal conflict. Also helps in improving water table.
	Providing water by tanker in existing 50 artificial waterhole on summer	16.3			0.00	0.00	Wardha Division	300 nos. tanker trips x 0.012	3.60	To ensure water supply to wild animals in summer
	<b>Total of Buffer Area (Magpur and Wardha Division)</b>				<b>186.52</b>	<b>186.52</b>			<b>161.45</b>	
<b>B</b>	<b>Adjoining Tiger Bearing Area (Pandharkawada Division)</b>									
<b>1</b>	<b>Anti Poaching/Monitoring activities</b>									
	Deployment of local people to ensure 24x7 patrolling to avoid human tiger conflict and poaching as its not protected area.	16.1.9	Pandharkawada Division	20 nos. x @ 0.09230 p.m. x 12 m.	20 nos. x @ 0.09230 p.m. x 12 m.	22.15	Pandharkawada Division	10 nos. x 12 m. x 0.00374 x 26 days	11.67	For conflict prone areas required to tackle the conflict the situation
<b>2</b>	<b>Maintenance / repair / Vehicles/Fuel</b>	16.2.1				0.00				
	iii) Diesel Vehicles	16.2.1				0.00	Pandharkawada Division	3 nos. @ 2.00	6.00	Required to address fuel needed for staff patrolling and maintenance of existing vehicle
<b>3</b>	<b>Mainstreaming wildlife concern in Tiger bearing forests (buffer) and corridor</b>									
	Purchase of camera traps, batteries and memory card for monitoring of the tigers	16.10.1.3				0.00	Pandharkawada Division - 5 nos.	5 @ 0.22	1.10	To implement Phase IV monitoring as per NITCA norms.
<b>4</b>	<b>Research and equipment</b>									
	Purchase of Range finder	16.7	Pandharkawada Division	20 nos. @ 0.16	20 nos. @ 0.16	3.20			0.00	
	Compass	16.7	Pandharkawada Division	20 nos. @ 0.02	20 nos. @ 0.02	0.40			0.00	

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5	Habitat Management Weed Eradication (2nd Year)	16.3			0.00	0.00	Pandharkawada Division total - 540 ha Pandharkawada FDCM total - 400 ha.	Eradication of Lantana & weeds in 940 ha @ X 10 m.d. x 0.00374 p.day	35.16	FDCM N20°14'37" E78°30'07" N20°18'46" E78°30'28" N20°17'25" E78°30'25" N20°16'43" E78°31'23" N20°16'07" E78°34'29" N20°15'50" E78°34'50" N20°15'04" E78°35'06" Anji N20°17'17.17" E78°33'11.17" N20°17'38.80" E78°33'18.59" Vhingach N20°13'898" E78°36'716" N20°13'506" E78°36'613" Ghodara N20°07'947" E078°32'526" N20°07'780" E078°32'753" N20°07'947" E078°32'893" N20°08'078" E078°32'243" N20°07'950" E078°32'720" Dabhaadi N19°57'12.8" E078°43'10.8" N19°57'08.8" E078°44'04.5" N19°57'12.8" E078°43'10.9" N19°57'11.0" E078°44'4.5"	Removal of lantana weeds to improve visibility .assist natural regeneration, providing grass and fodder to wildlife
6	Staff Development										
	Specialized training in Jurisprudence wildlife forensics	16.8.4	Pandharkawada Division	2 training x 0.50	1.00	1.00	Pandharkawada - 5 nos.	5 training x 0.40	2.00		
	Total of Adjoining Tiger Bearing Area (Pandharkawada Division) RECURRING (Core + Buffer + Adjoining Tiger Bearing Area)				26.75	26.75			55.93		
	Total Non - Recurring + Recurring + Eco Development				695.28	484.75			417.74		
					695.28	695.28			846.55		

(Rs. In lakhs)

S. No.	Items	Sanction	Central Assistance
1	Non-Recurring (60%)	428.81	257.28
2	Recurring (50%)	417.74	208.87
	<b>Total</b>	<b>846.55</b>	<b>466.15</b>

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		(Rs. In lakhs)
Cost of APO including State's share	A	846.55
Center's share in APO	B	466.15
1 <sup>st</sup> release @ 80% of Center's share	C=0.8*B	372.92
Less: Unspent balance FY 2018-19	D	-
Adjusted 1 <sup>st</sup> release	E=C-D	372.92
2 <sup>nd</sup> release @20% of Center's share	F=0.2*B	93.23

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

*Nutan Kumar*  
9/27/19