

No. 4-1(21)/2018-PT
Government of India
Ministry of Environment, Forest and Climate Change
Project Tiger Division

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Dated the 28 August, 2018

To,
The Pay & Accounts Officer,
Ministry of Environment, Forest and Climate Change,
New Delhi.

Sub: **Centrally Sponsored Plan Scheme 'Project Tiger' Administrative Approval for funds release to Manas Tiger Reserve, Assam during 2018-19 –reg.**

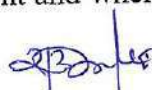
Sir,

I am directed to convey the administrative approval of the competent authority to the continuance of the Scheme 'Project Tiger' in Manas Tiger Reserve, Assam at the cost of **Rs. 668.56 Lakhs (Rupees Six hundred Sixty Eight lakhs Fifty Six thousand only)** as per details given in the table at Annexure. Of the total cost of the Scheme, **Rs. 438.15 Lakhs (Rupees Four hundred Thirty Eight lakhs Fifteen thousand only)** being the recurring cost of the scheme will be shared on 90:10 basis by the **Government of India** and **Government of Assam**. The remaining cost of the scheme will be treated as 90% Central Assistance by the Government of India and 10% assistance by the State Government of Assam.

2. I am also directed to convey the sanction of the President to the payment and release of an amount of **Rs. 470.00 lakhs (Rupees Four hundred Seventy lakhs only)** as the 1st installment of Central Share towards the Grants-in-aid to Government of Assam during the current financial year 2018-19. The balance amount of the Central Assistance will be released in due course after a review of the progress of expenditure/work is undertaken.

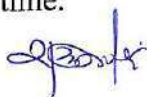
3. The grants-in-aid will be regulated in accordance with the provisions contained in the memorandum of the Centrally Sponsored Project Tiger Scheme. The Grants-in-Aid is also subject to the Chapter 9 of the General Financial Rules 2017, as amended from time to time, read with the Government of India's decision incorporated there-under, and any other guidelines which may be issued in this regard, and in particular to the following conditions:-

- (i) All relevant information and documents/certificates as required under GFR 209(I) have been received.
- (ii) The pattern of assistance of rules governing such grants-in-aid have received the approval of the Ministry of Finance, as required under Government of India decision No. (1) under DFPR-Rules 20.
- (iii) Terms and conditions of the service of the employees employed in the **Manas 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 Assam** 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 **Manas Tiger Reserve** shall be audited by C&AG or by any person authorized by him on his behalf in accordance with the provisions laid down in Section 14 of the C&AG (DPC) Act, 1972 as amended from time to time.
- (vii) The accounts of the Project Tiger Scheme shall be open for inspection by the sanctioning authority and audit, both by the Comptroller & Auditor General of India under the provision of C&AG (DPC) Act, 1972 and internal audit party by the Principal Accounts Office of the Ministry whenever it is called upon.
- (viii) The Utilization Certificate against the earlier funds released under Grants-in-aid have been received and accepted by the competent authority.
- (ix) Government of Assam in respect of **Manas Tiger Reserve** may furnish their performance-cum-achievement report on or before 31.3.2019.
- (x) **Manas 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 Assam** is subject to the Economy Instructions issued from time to time by the Ministry of Finance or by the Competent Authority.
- (xii) Grants-in-aid shall be utilized before the end of the current financial year 2018-19 and unspent balance, if any, will be refunded by **Government of Assam** to the **Govt. of India**.
- (xiii) Government of Assam in respect of **Manas 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 **Manas 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 (**Manas Tiger Reserve**) and **Government of Assam**.
- (xv) Monitorable outcomes on the item of works contained in the sanction letter both in physical and financial terms are required to be furnished in the monthly report regularly. Compliance status on Tripartite Memorandum of Understanding is required before submission of additional or ensuing year's Annual Plan of Operation (APO).
- (xvi) The expenditure should be limited to the amount released and in no case should be done in anticipation of further release by the Ministry.
- (xvii) **The payments of daily wagers should be done through account transfer / account payee Cheques only duly linked with Aadhar Number.**
- (xviii) It may please be ensured that there is no duplication of nature and items of work being proposed in the same area under the Centrally Sponsored Scheme of Project Tiger and other Centrally Sponsored Schemes such as Project Elephant, Eco-development and IDWH Schemes etc.
- (xix) The cost estimates worked out by the Field Director should be based on approved schedule of rates of the State Government, with due approval of the competent authority.
- (xx) Approval of the competent authority be obtained and acceptance of UC may be ensured by PD.
- (xxi) The expenditure is incurred as per the allocation of funds.
- (xxii) Payments are made by bank transfer and no cash payment is to be made.
- (xxiii) GFR is followed by implementing agency alongwith the economic instructions issued by Government of India from time to time.



- (xxiv) Satellite photo with date and latitude and longitude nodes after completion of work depicting the work carried out before and after the work.
- (xxv) Evidence of deposit of TDS/Service Tax in case of contract payment and CST in case of leviable goods are sent along with UC.
- (xxvi) In case of employment through contract, copy of PF & ESI contributions of employees shall be obtained wherever applicable.
- (xxvii) All measurable outcome of this grant must be mentioned in the sanction order and UC is to be submitted as prescribed in GFR 2017 – Form GFR 12-C.
- (xxviii) If the implementing agency does not use the fund for the purpose for which it was given, it has to refund the same with interest.
- (xxix) There should not be any overlapping of activities under the projects with the activities of ongoing schemes under CSS/CS/State Government Scheme.
- (xxx) The sanction order must mention measurable physical parameters and all measurable parameters are to be adhered to.
- (xxxi) The fixed asset created out of this grant shall not be disposed off without concurrence of this Ministry.
- (xxxii) A separate bank account shall be opened for the purpose and the account shall be open for audit by Central Government or C&AG.
- (xxxiii) All guidelines under the project is to be followed scrupulously.
- (xxxiv) The UC with physical progress report and satellite photo with physical deliverable with date and latitude – longitude coordinates before and after completion of work be obtained of each tiger reserve and uploaded on the website of the implementing agency as well as the Ministry for public access.
- (xxxv) The measurable outcome under the project (quantified) in terms of number of tigers in tiger reserve, eco-tourism in tiger reserve, %age decrease in man-animal conflict etc., may also be submitted in the progress report.

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

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



Scheme	Budget Head	Amount (Rs. in lakhs)
Centrally Sponsored Scheme of Project Tiger	3601.06.101.02.01.31 (Gen)	470.00
Total		470.00

9. This issues under the powers delegated to the Ministry and with the concurrence of Integrated Finance Division vide Dy. No. 111572/AS&FA (PG) dated 24.8.2018.

Yours faithfully,



(Raja Ram Singh)

Assistant Inspector General of Forests (PT)

Copy to:-

1. The Secretary (Forests), Govt. of Assam. A copy of the detailed sanction letter issued by the State Government in respect of this scheme for 2018-19 may kindly be furnished to this Ministry immediately.
2. The Secretary (Finance), Govt. of Assam.
3. The Principal Chief Conservator of Forests / Chief Wildlife Warden, Govt. of Assam.
4. The Field Director, Manas Tiger Reserve, Assam.
5. The Accountant General, Assam.
6. The Director of Audit, Scientific Department, AGCR Building, IP Estate, New Delhi.
7. IGF, NTCA Regional Office, Guwahati.
8. Forest Finance Division, MoEF&CC, New Delhi.
9. Plan Finance Division (PF-II), Ministry of Finance, New Delhi.
10. Guard file/Spare copies.



(Raja Ram Singh)

Assistant Inspector General of Forests (PT)

MANAS TIGER RESERVE, ASSAM
ANNUAL PLAN OF OPERATION 2018-19

Non-Recurring (Core + Buffer)

(Rs. in lakhs)

Activity	Item	Para No. CSS PT Guidelines	Para No. TCP	Amount released PFY (Rs. Lakhs)	Current Financial Year			GPS	Justification	
					No. of Items (Physical Target)	Sub-item Details	Unit Price (Rs.)			
Anti-Poaching	Core Area: Establishing and maintenance of existing patrolling camps/chowkis and deployment of camp labourers for patrolling.	16.1.3	10.4.2	36.00	4.00	2.000 2 nos. of Anti-poaching camps @ Rs. 1200000/- per camp for Manas NP * 1200000.000 = 2400000.000 2.000 Anti-poaching camp-2 nos @ Rs. 1200000/- to be constructed for Manas National Park 1st Addition * 1200000.000 = 2400000.000	1200000.000 1200000.000	48.00	26.66, 91.01 26.77, 91.11 26.65, 90.68 26.71, 90.57	(1) Kuklung (2) Amteka under Manas NP 1st Addition.
Anti-Poaching	Core Area: Procurement of arms and ammunition	16.1.10	7.8.7	2.70	3012.00	10.000 Purchase of 10 nos. .315 rifles @ Rs. 90000/- per rifle for Manas NP 1st Addition area * 90000.000 = 900000.000 1500.000 Ammunition for .315 rifle-1500 nos. @ Rs. 125/- per no. for Manas NP & Manas NP 1st Addition area * 125.000 = 187500.000 500.000 Ammunition for .315 rifle-500 nos. @ Rs. 125/- per no. for Barnadi WLS * 125.000 = 62500.000 1.000 Repairing of Arms for Barnadi WLS (LS) * 40000.000 = 40000.000 1000.000 Ammunition for DBBL/SBBL Gun- 1000 nos. @ Rs. 130/- per no. for Manas NP & Barnadi WLS * 130.000 = 130000.000 1.000 Repairing of .315 rifles & DBBL Guns for Manas NP (LS) * 40000.000 = 40000.000	90000.000 125.000 125.000 90000.000 130.000 40000.000	13.60		For use by anti-poaching camp staff for protection
Anti-Poaching	Core Area: Procurement of field gear, night vision device etc	16.1.15	10.4.2	21.66	122.00	1.000 358 nos. of Hunting Boots for Manas NP(LS) * 3000.000 = 2000000.000 20.000 20 nos. of Water Filters @ Rs. 3000/- per Filter for Manas NP * 3000.000 = 60000.000 100.000 100 nos. of Solar Chargeable Torch Lights @ Rs. 1600/- per Torch Light for Manas NP * 1600.000 = 160000.000 1.000 45 nos. of Hunting Boots for Barnadi WLS (LS) * 25140.00 = 25140.00	2000000.000 3000.000 16000.000 25140.00	4.46		For the frontline staff performing patrolling duty
Strengthening	Core Area: Construction of (patrolling camp, culverts).	16.2.1	10.4.2	28.00	4.00	4.000 Construction of 4 nos. of Culverts @ Rs. 700000/- per culvert for Manas NP * 700000.000 = 2800000.000	700000.000	28.00	26.76, 91.01 28.42, 91.07 26.42, 91.07 26.76, 90.91	1) Balabari Road under Bansbari Range 2) (a) Agrang Road (b) Taraibari under Bhuyanpara Range 3) Gilung under Panbari Range
Strengthening	Core Area: Construction of Gate/ Check-posts.	16.2.1	10.4.2	0.0	1.00	1.000 Construction of 1 no. Gate for Manas NP 1st Addition (LS) * 200000.000 = 200000.000	200000.000	2.00	26.38, 90.45	Fund require for construction of Gate for Manas National Park 1st Addition.
Strengthening	Core Area: Construction of Toilets	16.2.1	10.4.2	15.00	7.00	7.000 Construction of Toilets for Manas * 100000.000 = 700000.000	100000.000	7.00	26.67, 91.01 26.66, 90.99 26.65, 90.99 26.65, 90.99 26.65, 90.99 26.78, 90.96 26.70, 91.10	a) Bansbari Range-6 nos. 1) BD Camp 2) Naoghat 3) HQ, Quarter No.-1 4) HQ-Quarter No.-2 5) HQ-Quarter No.-3 6) Mathanguri c) Bhuyanpara Range- 1 no. a) Range HQ
Strengthening	Core Area: Creation of earthen ponds.	16.2.7	7.8.2	7.50	4.00	4.000 4 nos. of Artificial Earthen Ponds @ Rs. 150000/- per pond for Manas	150000.000	6.00	26.69, 91.06 26.75, 90.90 26.73, 91.08	1) Kuchiabeel area under Bansbari Range 2) Gabarukhunda area under

						NP * 150000 = 600000.000			26.73, 91.13	Panbari Range 3) (a) Kaisipukri area (b) Podumpukri area under Bhuyanpara Range
Strengthening	Core Area: Construction of ACF Quarters	16.2.1	10.4.2	15.00	1.00	1.000 Construction of 1 no. of ACF Quarter @ Rs. 1500000/- per quarter for Manas NP * 1500000.000 = 1500000.000	1500000.000	15.00	26.49, 90.95	FD Office campus
Addressing man animal conflict	Core Area: Procurement of tranquilizing equipments, darts, rescue vehicles, drugs.	16.4.1.4	10.11	0.0	1.00	1.000 Requirement of Dart including Drugs for rescue animals for Manas NP (LS) * 100000.000 = 100000.000	100000.000	1.00		Procurement of medicine for tranquilizing and rescue of wild animal when necessary.
Research and field equipment	Core Area: Day to day monitoring of wild animals	16.7	8.4.2	0.0	70.00	70.000 Purchase of 70 nos. of Android Phones + Micro SD Cards @ Rs. 8827.000 per Phone for Manas NP * 8827.000 = 617890.000	8827.000	6.18		For monitoring of Tiger Estimation (M-STIPES)
Mainstreaming wildlife concerns	Core Area: Habitat improvement measures.	16.10.1.5	8.4.2	0.0	20.00	20.000 Removal of Oxi, Simul sappling for Manas * 15000.000 = 300000.000	15000.000	3.00		For habitat improvement.
Staff Development	Core Area: Dissemination workshops.	16.8.6	8.4.2	0.0	3.00	3.000 Three numbers of Workshop for staff @ Rs. 15000/- per no. for Manas NP * 15000.000 = 45000.000	15000.000	0.45		To train the staff on management practices.
Project Allowance	Core Area: Provision of Project Allowance to staff (all categories) of Project Tiger (providing project allowance to Ministerial staff is a new component) (non recurring). Separate for all categories. See from guide lines	16.15	8.4.2	31.65	2.00	1.000 Project Tiger Allowance for Staffs, Ministerial Staff, Fixed pay and AFPF staff for Manas NP * 3434400.000 = 3434400.000 1.000 Project Tiger Allowance for Staffs, Ministerial Staff for Barnadi WLS * 890400.000 = 890400.000	3434400.000 890400.000	43.25		For payment to Frontline staff, ministerial staff, Fixed pay and AFPF staff For payment to Frontline staff, ministerial staff
Staff welfare	Core Area: Provision for ration allowance to field staff	16.16	8.4.2	33.73	2.00	1.000 Project Tiger Ration Allowance for frontline staff, Grade-IV and Fixed Pay for Manas NP * 3199200.000 = 3199200.000 1.000 Project Tiger Ration Allowance for frontline staff, Grade-IV for Barnadi WLS * 598500.000 = 598500.000	3199200.000 598500.000	37.98		For disbursement to the Frontline staff, Grade-IV staff and Fixed pay staff.
Staff welfare	Core Area: Supply of field kit	16.16	10.4.2	0.0	1.00	1.000 Supply of Mosquito Net (Medicated) for Manas NP (LS) * 150000.000 = 150000.000	150000.000	1.50		For welfare of the staff
Staff welfare	Core Area: Supply of kerosene	16.16	10.4.2	0.50	2.00	1.000 Supply of Kerosene for Manas NP (LS) * 40000.000 = 40000.000 1.000 Supply of Kerosene for Barnadi WLS (LS) * 10000.000 = 10000.000	40000.000 10000.000	0.50		For use in anti-poaching camp and anti-depredation squads.
Staff welfare	Core Area: Supply of medicine	16.16	10.4.2	0.50	1.00	1.000 Supply of essential medicine for field staff for Manas NP (LS) * 50000.000 = 50000.000	50000.000	0.50		For welfare of the staff
Staff welfare	Core Area: Supply of torch/ batteries	16.16	8.4.2	1.50	2.00	1.000 Torch light & Battery for Manas NP (LS) * 150000.000 = 150000.000 1.000 Torch light & Battery for Barnadi WLS (LS) * 50000.000 = 50000.000	150000.000 50000.000	2.00		To distribute among the staff for using in patrolling duty during night
Fostering Tourism	Core Area: Activities for reducing resource dependency	16.17	8.4.2	0.0	1.00	1.000 Assistance to EDCs for promoting Eco-tourism for Manas NP (LS) * 300000.000 = 300000.000	300000.000	3.00		For promoting Eco-tourism by EDCs

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Fostering Tourism	Core Area: Wildlife Conservation Awareness	16.17	7.8.7	3.85	4.00	1,000 Awareness camp during the wildlife week for Manas NP (LS) * 150000.000 = 150000.000 1,000 Intelligence gathering for Manas NP (LS) * 100000.000 = 100000.000 1,000 Publicity and extension for Manas NP (LS) * 150000.000 = 150000.000 1,000 Intelligence gathering for Barnadi WLS (LS) * 100000.000 = 100000.000	150000.000 100000.000 150000.000 100000.000	5.00		To create awareness among people of the surrounding areas of the NP regarding conservation of wild animals. Fund required for transportation of staff and reading materials & audio visual equipment.
Water Development	Core Area: Habitat Improvement Works (Construction of Tank, Well, Hand Pump etc.).	16.2.9	10.4.2	13.00	10.00	10,000 Installation of 10 nos. Hand Pumps @ Rs. 20000/- per pump for Manas NP * 20000.000 = 200000.000	20000.000	2.00		For the use of camp staff
	Total (Non-Recurring):							230.41		

Recurring (Core + Buffer)

(Rs. in lakhs)

Activity	Item	Para No. CSS PT Guidelines	Para No. TCP	Amount released PFY	Current Financial Year				GPS	Justification
					No. of Items (Physical Target)	Sub-item Details	Unit Price (Rs.)	Total (Financial Target)		
Anti-Poaching	Core Area: Deployment of anti-poaching squads.	16.1.2	7.8.3	1.44	5.00	5,000 Engagement of 5 nos. of elephant deprecation squad- @ Rs. 5000/- per no. for 12 months for Manas NP * 60000.000 = 300000.000	60000.000	3.00		a) Panbari Range- 1 no. b) Bansbari Range- 2 nos. c) Bhuyanpara Range- 2 nos.
Anti-Poaching	Core Area: Deployment of camp labourers for patrolling.	16.1.3	10.4.2	196.20	282.00	100,000 Payment Wages to Van Mazdoor (Casual Worker)-100 nos. @ Rs. 9000/- per No. per month for 12 months for Manas NP * 108000.000 = 10800000.000 20,000 Payment Wages to Van Mazdoor (Casual Worker)-20 nos. @ Rs. 9000/- per No. per month for 12 months for Manas NP 1st Addition * 108000.000 = 2160000.000 19,000 Payment Wages to Van Mazdoor (Casual Worker)-19 nos. @ Rs. 9000/- per No. per month for 12 months for Barnadi WLS * 108000.000 = 2052000.000 100,000 Arm Home Guards-100 nos. @ Rs. 9000/- per Home Guard per month for 12 months to be payment of wages for Manas NP * 108000.000 = 10800000.000 40,000 Arm Home Guards-40 nos. @ Rs. 9000/- per Home Guard per month for 12 months to be payment of wages for Manas NP 1st Addition Area * 108000.000 = 4320000.000 1,000 Payment wages to Computer Operator-1 No. @ Rs. 20000/- per month for 12	108000.000 108000.000 108000.000 108000.000 240000.000 180000.000 360000.000	309.12		Fund required for payment of wages to 100 nos. Van Mazdoors (CL) are engaged for anti-poaching activities in Manas NP. The revision to wages Govt. Order letter No.FEG.54/2008/126, dated-07-02-2018 is enclosed. Fund required for payment of wages to 20 nos. Van Mazdoors (CL) are engaged for anti-poaching activities in Manas NP 1st Addition. The revision to wages Govt. Order letter No.FEG.54/2008/126, dated-07-02-2018 Fund required for payment of wages to 19nos. Van Mazdoors (CL) are engaged for anti-poaching activities in Barnadi WLS. The revision to wages Govt. Order letter No.FEG.54/2008/126, dated-07-02-2018 For payment to the wages to 40 nos. Home Guards for 12 months of Arm Home Guards

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						months for Manas NP * 240000.000 = 240000.000 1.000 Payment wages to Computer Operator-1 No. @ Rs. 15000/- per month for 12 months for Barnadi WLS * 180000.000 = 180000.000 1.000 Payment wages to Biologist-1 No. @ Rs. 30000/- per No. per month for 12 months for Manas NP * 360000.000 = 360000.000				engaged in protection and anti-poaching activities inside core area. The revision to wages Govt. Order letter No.FEG.54/2008/126, dated-07-02-2018 Additional 40 nos. new Home Guards will be deployed in Manas 1st Addition National Park to intensity patrolling. To pay existing Computer Operator for 12 months To pay existing Computer Operator for 12 months. To pay existing Biologist for 12 months
Anti-Poaching	Core Area: Legal support for defending court cases.	16.1.13	10.9	0.0	1.00	1.000 Legal support for defending court cases for Manas NP (LS) * 100000.000 = 100000.000	100000.000	1.00		For hiring legal expert for defending court cases & payment to transportation of accuse to the court and travelling cost of Frontline staff attending court. Maintenance of patrolling path & clearance fireline cutting.
Anti-Poaching	Core Area: Maintenance of vehicles, boats	16.1.14	10.4.2	17.70	6.00	1.000 Repairing of Vehicles & purchase of Tyres etc. for Manas NP (LS) * 600000.000 = 600000.000 1.000 POL for Vehicles and Motorbikes for patrolling round the clock by all the Ranges for protection duties for Manas NP (LS) * 1200000.000 = 1200000.000 1.000 POL & maintenance for Boats (Diesel) for Manas NP (LS) * 100000.000 = 100000.000 1.000 Repairing of Vehicle for Manas NP 1st Addition (LS) * 100000.000 = 100000.000 1.000 POL for Vehicles and Motorbikes for patrolling round the clock by all the Ranges for protection duties for Manas NP 1st Addition (LS) * 200000.000 = 200000.000 1.000 Repairing of Vehicle for Barnadi WLS (LS) * 50000.000 = 50000.000	600000.000 1200000.000 100000.000 200000.000 50000.000	22.50		Fund required for maintenance of vehicles for Govt. Vehicles used in patrolling and for payment towards POL in Manas NP, Manas N.P (1st Addn) Excess then last year is proposed due to escalation of price of POL and motor Vehicles
Anti-Poaching	Core Area: Maintenance of existing patrolling camps/chowkis and deployment of camp labourers for patrolling.	16.1.3	10.4.2	0.0	12.00	12.000 Repairing /renovation of 12 nos. of existing camps of existing patrolling Anti- poaching Camp for Manas NP * 50000.000 = 600000.000	500000.000	6.00	GPS location are provided in Annexure-I	Repairing annual maintenance of existing anti-poaching camps:- a) Bansbari Range-4 nos. b) Bhuyanpara Range-4 nos. c) Panbari Range- 4 nos.
Anti-Poaching	Core Area: Maintenance of office equipment.	16.2.1	10.4.2	0.0	1.00	1.000 Maintenance of Office for Manas * 500000.000 = 500000.000	500000.000	5.00	GPS location are provided in Annexure-I	Fund required for smooth running of office.
Anti-Poaching	Core Area: Maintenance of wireless tower.	16.2.3	10.5	3.50	2.00	1.000 Renewal fee, Royalty etc. against Wireless Licence for Manas NP (LS) * 78500.000 = 78500.000 1.000 Repairing of Fix Base Station and Hand Set Mobile including replacement of battery for Manas NP (LS) * 21500.000 = 21500.000	78500.000 21500.000	1.00		Fund required for renewal fee and royalty against the Wireless Licence and need to repaired
Anti-Poaching	Core Area: Organizing surprise raids jointly with the local police(in railway stations, local trains, bus- stops, buses, catchers and cafeteria.)	16.1.6	7.8.7	0.50	1.00	1.000 Surprise raids for Manas NP (LS) * 75000.00= 75000.00	75000.00	0.75		Hiring of vehicle for transportation of local police personnel during raids.

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Anti-Poaching	Core Area: Procurement/Maintenance of elephants squads	16.1.11	10.11	44.8	49.00	1.000 Medicine for Treatment of Captive Elephant and rescued animals (if any) for Manas NP (LS) * 200000.000 = 200000.000 1.000 Elephant Feed Supplement for Captive Elephant for Manas NP (LS) * 140000.000 = 140000.000 40.000 Upkeepment of Departmental Elephant- 40 nos. @ Rs. 7000/- per no. per month for 12 months for Manas NP * 840000.000 = 3360000.000 1.000 Budget for Immunization for captive elephant for Manas NP (LS) * 200000.000 = 200000.000 1.000 Cattle Vaccination cum Treatment in fringe villages under Manas NP * 200000.000 = 200000.000 5.000 Cattle Vaccination cum Treatment- 5 nos. under Bamadi WLS * 20000.000 = 100000.000	200000.000 140000.000 840000.000 200000.000 200000.000	42.00		For treatment of captive elephants/rescued animals when necessary Fund required for purchase of feed supplement for 40 nos. Adult Captive elephant. For supply of ration to 40 nos. dept. Captive elephant at present Immunization of dept. Captive elephants are carried out periodically as per prescriptions of Vet. Doctors. and required for purchase of medicines For vaccination of livestock in the fringe villages. For vaccination of livestock in the fringe villages
Anti-Poaching	Core Area: Rewards to informers.	16.1.12	7.8.7	0.0	2.00	1.000 Rewards to informer for Manas NP (LS) * 50000.000 = 50000.000	50000.000	0.50		To encourage staff and NGOs for better performance.
Strengthening	Core Area: Maintenance of (patrolling camp, culverts).	16.2.1	10.4.2	0.0	2.00	2.000 Maintenance of existing Culvert- 2 nos. @ Rs. 50,000/- per culvert for Manas * 50000.000 = 100000.000	50000.000	1.00	26.66, 91.03 26.74, 91.04	a) Bansbari Range-2 nos. 1) Palchiguri Culvert 2) Guruchara Nala
Strengthening	Core Area: Maintenance of earthen ponds.	16.2.7	10.4.2	0.0	3.00	3.000 Repairing/Renovation of 3 nos. of existing earthen pond @ Rs. 50,000/- per pond for Manas NP * 50000.000 = 150000.000	50000.000	1.50	25.40, 91.00 25.43, 91.00 25.43, 90.59	a) Bansbari Range-3 nos. 1) Liti Pond 2) Chorphuly area 3) Lotajhar (eastern side)
Strengthening	Core Area: Maintenance of fire lines and firebreaks.	16.2.6	7.8.7	5.95	40.00	25.000 Maintenance of patrolling path cum fireline- 25 kms @ Rs. 7000/- per km for Manas NP * 7000.000 = 175000.000 15.000 Maintenance of patrolling path cum fireline- 15 kms @ Rs. 7000/- per km for Bamadi WLS * 7000.000 = 105000.000	7000.000 7000.000	2.80	GPS location are given in Annexure-I	Maintenance of patrolling path cum firelines for Manas NP & Bamadi WLS
Strengthening	Core Area: Maintenance of Hardware.	16.2.10	10.4.2	0.0	1.00	1.000 Maintenance of Computers for Manas NP (LS) * 45000.000 = 45000.000	45000.000	0.45		Fund require for computer repairing
Strengthening	Core Area: Maintenance of Kitchens	16.2.1	10.4.2	3.50	5.00	5.000 Repairing of Kitchen- 5 nos. @ Rs. 0.40 lakh per Kitchen for Manas * 40000.000 = 200000.000	40000.000	2.00	26.72, 90.01 26.70, 91.04 26.65, 90.99 26.65, 90.99 26.65, 91.00	1) Bansbari Range-5 nos. a) Chorphuly Camp b) Bangali Hatdhuwa Camp c) Staff Quarter-I (Range HQ) d) Staff Quarter-II (Range HQ) e) Staff Quarter-III (Range HQ)
Strengthening	Core Area: Maintenance of road network.	16.2.2	10.4.2	7.50	40.00	40.000 Maintenance of Roads- 40 kms. @ Rs. 25000/- per km for Manas NP * 25000.00 = 1000000.000	250000.000	10.00	The GPS locations are given in Annexure-I	a) Bansbari Range- 1) Uchila to Guruchara- 10 km b) Panbari Range- (1) Lafasari to Kheroni- 10 km (2) Bansom to Gabarukhunda- 20 km
Strengthening	Core Area: Maintenance of Software.	16.2.10	10.4.2	0.0	1.00	1.000 Up dating of computer software for Manas NP (LS) * 25000.000 = 25000.000	25000.000	0.25		Fund require for computer software up dating.
Strengthening	Core Area: Maintenance of Toilets	16.2.1	10.4.2	1.35	3.00	3.000 Repairing of Toilets- 3 nos. @ Rs. 15000/- per Toilet for Manas * 15000.000 = 45000.000	15000.000	0.45	26.65, 90.99 26.64, 90.99 26.65, 90.99	a) Bansbari Range- 1) Range HQ 2) Quarter No.-33 3) Quarter No.-21
Strengthening	Core Area: Creation of fire lines and firebreaks.	16.2.6	7.8.2	4.00	60.00	60.000 Creation of Patrolling Path cum fireline - 60 kms @ Rs. 10000 per km for Manas NP * 10000.000 = 600000.000	10000.000	6.00	The GPS locations are given in Annexure-I	Creation of Patrolling Path cum fireline for Manas NP 1) Bansbari Range- 20 kms. 2) Bhuyanpara Range- 20 kms. 3) Panbari Range- 20 kms.
Strengthening	Core Area: Creation of road network.	16.2.2	16.2.7	0.0	20.00	20.000 20 km of Roads @ Rs. 40000/- per km for Manas	40000.000	8.00		1) Bansbari Range-10 km 2) Bhuyanpara

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							NP * 40000.000 = 8000000.000				Range-5 km 3) Panbari Range-5 km
Mainstreaming wildlife concerns	Core Area: Monitoring of wild animals.	16.10.1.3	7.8.5	0.0	1.00		1.000 Annual monitoring of Wild Buffalo, Swamp deer and Tiger (Phase-IV) etc. form Manas NP (LS) * 150000.000 = 150000.000	150000.000	1.50		Fund require for Annual monitoring
Staff Development	Core Area: Capacity building and training.	16.8.1	7.8.5	2.60	4.00		1.000 Capacity building on M-STRIPES patrolling system for Manas NP (LS) * 40000.000 = 40000.000 1.000 Study tour/exposure/visit of local NGOs/EDC members/Frontline staff/fringe area for Manas NP (LS) * 100000.000 = 100000.000 2.000 Study Tours for frontline staff on best conservation & Eco-tourism practices in other National Park- 2 nos. @ Rs. 1.00 lakh per no. for Manas NP * 100000.000 = 200000.000	40000.000 100000.000 200000.000	3.40		For special training to field staff for use Android mobile and GPS. To upgrade the knowledge base of staff/NGOs and EDCs members. For exposure tours for staff to increase morals & knowledge of the staff.
Staff welfare	Core Area: Maintenance of torch/ batteries	16.16	7.8.5	0.0	2.00		1.000 Replacemnt of batteries of Solar torch light for Manas NP (LS) * 50000.000 = 50000.000 1.000 Replacement of batteries of Solar light for Manas NP (LS) * 50000.000 = 50000.000	50000.000 50000.000	1.00		Fund require for replacement of batteries of Solar torch light for Manas NP.
Habitat Improvement	Core Area: Grass land improvement, wetland improvement	16.3	7.8.2	0.0	5.00		5.000 Improvement of Grassland and wetland- 5 Hact @ Rs. 0.50 lakh per Ha. for Manas NP * 50000.000 = 250000.000	50000.000	2.50		a) Bansbari Range- 2 Ha b) Bhuyanpara Range- 2 Ha c) Panbari Range- 1 Ha
Habitat Improvement	Core Area: Weed eradication	16.3	7.8.2	0.0	4.00		4.000 Eradication of Leea asiatica and Chromoleana odorata 4 hect- 3 times per year for Manas NP * 25000.00 = 100000.000	25000.00	1.00	26.67, 91.00 26.70, 90.99 26.74, 91.12 26.72, 90.89 26.67, 91.00 26.70, 90.99 26.74, 91.12 26.72, 90.89	1) Bansbari Range- 2 Ha (a) Pahu Field (b) Buraburijhar 2) Bhuyanpara Range- 1 Ha. (a) Sengmari 3) Panbari Range- 1 Ha (a) Baidewghat
Co-occurrence agenda in buffer	Core Area: Co-occurrence agenda in buffer and fringe areas (landscape approach, sectoral integration, ecologically sustainable development programmed, livelihood options and eco-tourism) (new activity in case of tiger reserves where buffer has not been notified so far).	16.5	7.8.2	0.0	247.00		19.000 Distribution of Piggery to EDC (19 nos): for 1 year including maintenance for Manas NP * 25000.000 = 475000.000 190.000 Distribution of Duckery for 19 EDCs for 1 year rearing 10 ducking for Manas * 300.000 = 57000.000 38.000 Distribution of Goatery-19 EDCs for 1 year rearing 2 Goatery for Manas * 300.000 = 11400.000	25000.000 300.000 300.000	5.43		Fund require for development programmed, livelihood options and Eco-tourism.
	Total (Recurring):								438.15		

(Rs. In lakhs)

S. No.	Items	Sanction	Central Assistance
1	Non-Recurring (90%)	230.41	207.37
2	Recurring (90%)	438.15	394.33
	Total	668.56	601.70



(Rs. In lakhs)

Cost of APO including State's share	A	668.56
Center's share in APO	B	601.70
1 st release @ 80% of Center's share	$C=0.8*B$	481.36
Less: Unspent balance FY 2017-18	D	11.36
Adjusted 1 st release	$E=C-D$	470.00
2 nd release @20% of Center's share	$F=0.2*B$	120.34

Information in respect of Monitoring of Tigers Phase IV data and Offence Data are furnished below:

S. No.	Year	Minimum Adult Tigers	Minimum no. of cubs	Total	Remarks
1	2012	12	1	13	Panbari Range as not covered due to Law & order problem.
2	2013	10	-	10	
3	2014	15	-	15	
4	2015	11	-	11	
5	2016	25	-	25	Entire MNP was covered
6	2017	25	6	31	Entire MNP was covered

S. No	Year	Number of offences registered
1	2016	14 nos.
2	2017	17 nos.
3	2018	11 nos.

* 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.



Manas Tiger Reserve

Detailed GPS Coordinates of some Item of works Proposed in the A.P.O under CSS-Project Tiger (2018-19)

Activity	Item	Para no. of CSS-PT guideline	Para no. of TCP	Sub Item details	Details of work with GPS Coordinates	
					Works	GPS Coordinates
Strengthening	Core Area-Creation of Fire Line & Fire Breaks	16.2.15	7.8.2	Creation of Patrolling Path cum Fire Line --60 Km	<u>Bansbari Range=20 Km</u>	
					1. GarucharaNala to Mainao camp =6Km	(26°43'22.9 "N & 91°02'38.9 " E) to (26°42'22.2 "N to 90°03'41.2 "E)
					2. Uchilabandh Camp GarucharaNala =3Km	(26°44'17.5 "N & 91°01'56.1 " E) to (26°43'22.9 "N & 91°02'38.9 " E)
					3. Kodompukhuri Camp to Uchilabandh Camp =5Km	(26°44'54.8 "N & 90°00'95.7 " E) to (26°44'17.5 "N & 91°01'56.1 " E)
					4. Sorfuli Camp Kodompukhuri Camp=4Km	(26°43'47.7 "N & 91°00'57.2 " E) to (26°44'54.8 "N & 90°00'95.7 " E)
					5. Kanchanbari Camp Beki River)=2Km	(26°44'23.4 "N & 90°59'50.6 " E) to (26°42'22.2 "N & 90°03'41.2 " E)
					<u>Bhuyanpara Range=20 Km</u>	(26°42'41.0 "N & 91°08'34.8 " E) to(26°42'30.6 "N & 91°07'49.6 " E)
					1. Agrang Camp to Digjari Tiniali=1.5 Km	
					2. Agrang Camp to Padumpukhuri=2 Km	(26°42'40.8 "N & 91°08'35.2 " E) to (26°43'40.2 "N & 91°07'51.7 " E)
					3. Abwidara Camp to purana Rupohi=1 Km	(26°43'49.7 "N & 91°05'03.3 " E) to (26°43'38.9 "N & 91°04'28.9 " E)
					4. Abwidara Road to Gilajar=1 Km	(26°44'12.0 "N & 91°05'09.0 " E) to (26°44'18.8 "N & 91°05'26.5 " E)
					5. New Koraihari to segun Tiniali= 4 Km	(26°44'13.5 "N & 91°08'38.4 " E) to (26°45'47.8 "N & 91°09'01.0 " E)
					6. Segun Camp to panda River=2.5 Km	(26°45'59.1 "N & 91°08'41.7 " E) to (26°45'00.3 "N & 91°09'46.8 " E)

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by
DIA (F)

					7. <u>Dhanbeel road to Narenguri Bund=2.3 Km</u>	(26°42'30.6"N & 91°05'58.6"E) to (26°43'40.7"N & 91°05'57.2"E)
					8. <u>Kanchanbari to Baladong area=3 Km</u>	(26°44'45.9"N & 91°06'20.6"E) to (26°43'27.2"N & 91°05'51.6"E)
					9. Podumpukhuri to Chengmari Road=2.7 Km	(26°43'40.2"N & 91°07'51.7"E) to (26°44'37.7"N & 91°07'28.0"E)
					Panbari Range=20Km	
					1. Lakhijhora to Sukanjan down=9 Km	(26°38'37.1"N & 90°48'46.2"E) to (26°43'37.95"N & 90°48'32.38"E)
					10. Lafasari to Palangsi=5 Km	(26°40'47.42"N & 90°52'25.93"E) to (26°42'55.1"N & 90°51'07.53"E)
					11. Sahebghat to Murabari=6Km	(26°40'46.0"N & 90°54'26.0"E) to (26°38'24.63"N & 90°52'38.69"E)
Antipoaching	Maintenance of existing Patrolling Camp/ Chowkis	16.1.4	10.4.2	Repiring, Renovation of 12 nos. of existing Anti-Poaching camp	BansBari Range	
					1. Palsiguri Camp	26°39'40.5"N & 91°01'34.8"E
					2. Barengabari Camp	26°39'53.5"N & 91°02'04.0"E
					3. New Camp	26°40'54.6"N & 91°04'36.4"E
					4. B.D.Camp	26°40'40.6"N & 91°00'45.2"E
					Bhuyanpara Range	
					1. Dwimari Camp	26°46'21.8"N & 91°10'42.4"E
					2. Panda Camp	26°44'54.4"N & 91°09'46.0"E
					3. Kanchanjuri Camp	26°44'43.9"N & 91°06'14.6"E
					4. Daojeng Camp	26°45'28.9"N & 91°05'32.5"E
					Panbari Range	
					1. Lakhijhora Camp	26°38'41.6"N & 90°47'22.4"E
					2. Mainao Camp	26°38'34.2"N & 90°49'44.6"E
					3. Kuhighat Camp	26°38'02.2"N & 90°53'32.3"E
					4. Kachubeel camp	26°38'24.9"N & 90°50'40.2"E

Antipoaching	Maintenance of office for Manas	16.1.23	10.4.2	Maintenance of Office -for Manas	Field Director's office	26°29'25.3" N & 90°58'04.0" E
					H.Q. Beat, Barpeta Road	26°29'25.3" N & 90°58'04.0" E
					Bansari Range Office	26°39'01.7" N & 90°59'49.5" E
					Bhuyanpara Range Office	26°42'22.8" N & 91°06'26.6" E
					Panbari Range Office	26°36'59.27" N & 90°52'08.4" E
Strengthening	Maintenance of Fire Line & Firebreak	16.2.15	7.8.7	Creation of Patrolling Path cum fire line	Bansbari Range=10Km	
					1. Mathanguri Road (BuraburiTinali) via Kuribeel Camp to Kahibari =8 Km	26°41'55.2" N & 90°59'33.7" E) to (26°40'12.0" N & 91°02'31.6" E)
					2. New BuraburiTinali to Uchila Camp =2 Km	26°41'35.0" N & 90°01'44.7" E) to (26°43'22.6" N & 91°02'38.7" E)
					Bhuyanpara Range=10Km	
					1. Kokilabari Camp to alabari =5.2 Km	26°41'13.2" N & 91°09'20.2" E) to (26°45'46.14" N & 91°13'11.9" E)
					2. New Kalpani to Segun Camp =2.8 Km	26°46'54.1" N & 91°07'48.4" E) to (26°45'59.1" N & 91°08'41.7" E)
					3. Digjiri Road to Podumpukhuri =2 Km	26°42'08.0" N & 91°07'47.3" E) to (26°43'40.2" N & 91°07'51.7" E)
					Panbari Range=5Km	
					1. Ouguri to Lafasari=2.5Km	26°39'51.47" N & 90°52'08.85" E) to (26°40'47.42" N & 90°52'25.93" E)
					2. Ouguri to Sahebghat via Barbala=2.5Km	26°39'51.47" N & 90°52'08.85" E) to (26°38'24.60" N & 90°52'38.69" E)
					Barnadi WLS	
					1. Ghopakona to 1 no. Tower=5 Km	26°47'8.69" N & 91°45'32.05" E) to (26°49'37.98" N & 91°45'33.96" E)
					2. Rajagarh to Alengjhar Camp=4 Km	26°46'51.20" N & 91°44'42.6" E) to (26°48'37.11" N & 91°44'45.29" E)
					3. Rajagarh to 1no. Tower = 6KM	26°46'51.20" N & 91°44'42.6" E) to (26°49'37.98" N & 91°45'33.96" E)

Strengthening	Core area- Maintenance of Road Network	16.2.4.	10.4.2.	Maintenance of Road-40 Km	Bansbari Range = 10 Km	
					1. Uchila to Guruchara	26°43'22.6"N & 91°02'38.7" E) to (26°43'51.3"N & 91°03'06.6" E)
					Panbari Range	
					1. Lafasari to (Via Ambutherebeel) kheroni=10Km	26°41'23.86"N & 90°53'42.66" E) to (26°43'02.40"N & 90°49'50.80" E)
					2. Bonsum to Gabhrukhunda=20Km	26°38'27.17"N & 90°51'42.0" E) to (26°45'21.7"N & 90°53'42.3" E)

Submitted



(H.K.Sarma)

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