

Jharkhand CAMPA

Format for Annual Plan of Operation Summary Submission FY 2023-24

Annual Plan of Operation (APO) for the financial year 2023-24 of Jharkhand CAMPA

1	Date of Receipt :	22.05.2023
2	Date of approval of EC of State UT:	23.03.2023
3	Date of approval of the Steering Committee:	03.05.2023
4	Total Amount/Outlay	809.442 Crores
5	Funds status with the State/UT along with outlay proposed	350.000 Crores

(Amount in Rs. crores)

Sl. No.	CAMPA Activity	Fund Available with the State/UT	Outlay proposed
1	2	3	4
1	Mandatory Activity		
	CA/PCA/Additional CA	95.591	136.409
	Catchment Area Treatment Plan	18.000	29.979
	Integrated Wildlife Management Plan	48.000	85.171
	Other	9.900	16.161
2	Net Present Value	171.020	526.721
3	Interest	7.490	15.000
4	Other Components	---	---

6. Funds released by State Government During the FY 2018-19 to 2022-23

(Amount in Rs. crores)

Year	APO approved by National Authority during current financial year	Fund Released by State Government	Fund Utilised by State Authority	Total Outlay for the current year
2	3	4	5	6
2018-19	399.530	286.250	239.463	409.560
2019-20	399.294	300.434	223.574	409.477
2020-21	376.559	251.787	214.927	381.059
2021-22	437.608	280.922	240.989	469.555
2022-23	764.828	260.608	147.732	794.771

Jharkhand CAMPA

7. Status of Compensatory Afforestation

(Area in Ha.)

Sl. No.	Afforestation required as per site specific scheme submitted along with approved proposal for diversion of forest land under FC Act, 1980 till 31.03.2022			Afforestation carried out in the State as per site specific scheme till 2022-23			Afforestation to be carried out 2023-24	Afforestation carried out percentage	Total Balance upto 2024-25
	(CA)	(PCA)	(CA+PCA)	(CA)	(PCA)	(CA+PCA)	(CA+PCA)	(CA+PCA)	(CA+PCA)
1	2	3	4	5	6	7	8	9	10
1	60496.353	---	60496.353	39970.618	---	39970.618	3607.74	72.03	16917.995

8. Balance afforestation status

(Area in Ha.)

Sl. No.	Balance Afforestation required as per FC Act (in ha.)	Balance Afforestation to be completed in Financial Year (in ha.)		
		2023-24	2024-25	2025-26
1	2	3	4	5
1	16917.995	5,535.031	11382.964	---

Jharkhand CAMPA

Annual Plan of Operation (APO) for the financial year 2023-24 of Jharkhand State CAMPA

9. Details of APO are as under

(Amount in Rs. crores and Area in Ha.)

Sl. No.	CAF Act/Rule	Activity	Proposed outlay		Green Employment to be generated	Page No.	Remarks
			Phy. Target	Fin. Target			
1	2	3	4	5	6	7	8
1	Site-specific activities as per Section 6(a) of the CAF Act, 2016						
	Mandatory Activity	Compensatory Afforestation (CA)	Adv. Work - 5535.031 Ha. Comp/ work - 3607.740 Ha. Main. Work - 14679.547 Ha.	13640.925	2232544	50-66	Annex No. - 01 & 02
		Catchment Area Treatment Plan	7	2997.879	399717	82	Annex. No. -03
		Integrated Wildlife Management Plan	24	8517.112	1892691	83-85	Annex. No. -04
		Other	625.832	1616.108	253042	116-121	Annex. No. -28
		Total site specific activities under CA					
2	Activities as per Rule 5(2) of the CAF Rules, 2018						
	5(2)a	ANR	5525.000	3963.809	718250	86	Annex. No. -05
	5(2)b	AR	Adv. Work - 8400.000 Ha. Comp/ work -5750.000 Ha. Main. Work - 2575.000 Ha.	13249.123	1794011	87, 88 to 89 & 112 to 115	Annex. No. - 06, 07 & 27
	5(2)c	Silvicultural Operation	Adv. Work - 5525.000 Ha. Comp/ work -12950.000 Ha. Main. Work - 15062.000 Ha.	5929.068	1420341	90 & 112-115	Annex. No. -08 & 26
	5(2)d	Protection of Plantations and forests	8606	1191.350	137897	91	Annex. No. -09
	5(2)e	Pest and disease controal in Forests	2	10.000	---	92	Annex. No. -10
	5(2)f	Forest fire prevention and control operations	36	481.550	42804	93	Annex. No. -11
	5(2)g	Soil and Moisture conservation works and Miscellaneous intervantion using LiDaR Technology	1211	6023.000	535378	94	Annex. No. -12
	5(2)g	Survey and mapping of forest areas through LiDAR technology	1 Div.	693.783	154174	94 & 95	Annex. No. -12 & 13
	5(2)h	Voluntary relocation of villages from protected areas	1	800.000	711111	96	Annex. No. -14
	5(2)i	Improvement of wildlife habitat	Adv. Work - 4898.000 Ha. Comp/ work -2855.000 Ha. Main. Work - 3273.000 Ha.	6877.753	1007371	97 & 98-99	Annex. No. 15 a & 15 b
	5(2)j	Planting and rejuvenation of forest cover on non-forest land falling in wildlife corridors	Adv. Work - 2300.000 Ha. Comp/ work -1469.500 Ha.	2488.877	394264	100	Annex. No. 16
	5(2)k	Establishment, maintenance of animal rescue centre and veterinary treatment facilities for wild animals;	1	500.000	44445	101	Annex. No. -17
	5(2)l	supply of wood-saving cooking appliances and other forest produce saving devices	3500	140.000	---	102	Annex. No. -18
	5(2)m	management of biological diversity and biological resource	---	---	---	---	---
3	Activities as per Rule 5(3) of the CAF Rules, 2018						
	5(3)a	Establishment, Maintenance of modern nurseries	284.500	3464.760	351651	103-104 & 112-115	Annex. No. - 19a & 19b, 27
	5(3)b	Promoting conservation, sustainable use and documentation of biological diversity	1	20.000	2666	105	Annex. No. -20
	5(3)c	Purchase and maintenance of equipment or devices for communication information and technology	1437	461.035	3054	106	Annex. No. -21
	5(3)d	construction, up-gradation and maintenance of inspection paths, forest roads in forest area, fire lines, watch towers, check posts and timber posts	2680.914	1104.442	196298	107	Annex. No. -22
	5(3)e	Construction of residential and official buildings	48	1956.000	173866	108	Annex. No. -23
	5(3)f	Casual engagement of local people or labours to assist regular staff of State Forest Department	---	---	---	---	---
	5(3)g	Survey and mapping	12	2938.200	---	109	Annex. No. -24

Sl. No.	CAF Act/Rule	Activity	Proposed outlay		Green Employment to be generated	Page No.	Remarks
			Phy. Target	Fin. Target			
1	2	3	4	5	6	7	8
	5(3)h	Independent concurrent monitoring and evaluation and third party monitoring	54	100.000	---	---	---
	5(3)i	Publicity-cum-awareness programme	50	275.000	---	110	Annex. No. -25
	5(3)j	Production and distribution of quality planting material	---	---	---	---	---
	5(3)k	Forest certification and development of certification standards:	3	4.392	---	111	Annex. No. -26
4	Activities as per Rule 6(a) of the CAF Rules, 2018						
	6(a)i	To offset incremental cost of CA/PCA at increased wage rate					
	6(a)ii	To offset increments cost of CAT at increased wage rate	54	797.774	177283		
	6(a)iii	To offset incremental cost of IWMP at increased wage rate					
	6(a)iv	For disbursement of salary and allowances of members and staff	1	350.226	---	116	Annex. No. -28
	6(a)v	For disbursement of sitting fees and allowances to nominated members	1	2.000	---		
	6(a)vi	Activities referred to in sub rule-(2) and (3) of Rule 5	---	---	---		
5	Activities as per Rule 6(b) of the CAF Rules, 2018						
	6(b)i	Management of office establishment	1	41.000	---		
	6(b)ii	Office equipment including computers and peripherals and its manitenance	1	8.000	---		
	6(b)iii	Hiring of staff cars for the use of officers and officials	1	25.000	---		
	6(b)iv	Hiring of buildings on lease for office establishment and residences of the officers	1	15.000	---	116	Annex No. 28
	6(b)v	Other contingencies for management of State Authority	1	61.000	---		
	6(b)vi	Any other activity for management of forests and wildlife with the approval of Steering committee and	---	200.000	26666		
		Total :-		80944.163	12669524		

**Department of Forest,
Environment and Climate Change**
Government of Jharkhand



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ANNUAL PLAN OF OPERATION

2023-24

Jharkhand Compensatory Afforestation
Fund Management and Planning Authority

Additional Principal Chief Conservator of Forests
CAMPA, Jharkhand.



Department of Forests, Environment &
Climate Change,
Government of Jharkhand
Van Bhawan, Doranda, Ranchi – 834002
Tel. : 0651- 2481466
E-mail apccf-campa@gov.in

Letter No. *ISM(22)/CAMPA/2023-24/236*

Dated *22/05/2023*

From,

Sanjeev kumar, IFS
Addl. Principal Chief Conservator of Forests,
CAMPA, Jharkhand, Ranchi.

To,

The Chief Executive Officer,
National Authority CAMPA
4th Floor, Block No. 3, CGO Complex
Ministry of Environment, Forest & Climate Change
Indira Paryavaran Bhawan,
Jorbagh Road,
New Delhi-110003

Subject : - Submission of Annual Plan of Operation 2023-24 of Jharkhand CAMPA

Sir,

Please find enclosed the Annual Plan of Operation (APO) of Jharkhand CAMPA State Authority for the year 2023-24. The APO has been approved by the State level Steering Committee of Jharkhand CAMPA State Authority in its meeting held on 03.05.2023 under the chairmanship of Chief Secretary, Jharkhand. A copy of the proceedings of the meeting and two volumes of APO 2023-24 are enclosed herewith.

2. Total amount of APO 2023-24 as approved by the Steering Committee is for Rs. 809.44 crore (Rupees Eight Hundred Nine Crore Forty Four Lakh Sixteen Thousand Three hundred only).
3. The Certificate regarding the adoption of APO 2023-24 by the State Authority is annexed at page no. 219 of the APO.
4. Following are some relevant information regarding the aforementioned APO:
 - Outlay under Rule 5(2) (Not less than 80% of NPV) = Rs. 42348.311 lakh (80.40%)
 - Outlay under Rule 5(3) (Not more than 20% of NPV) =Rs. 10323.829 lakh (19.60%)
 - Outlay under Rule 6(a) (Not less than 60% of Interest) = Rs. 1150.00 lakh (76.67%)
 - Outlay under Rule 6(b) (Not more than 40% of Interest) = Rs. 350.00 lakh (23.33%)

Sanjeev
22/05/2023

Contd.

Further, the break-up of APO components into activities related to forest-wildlife management and activities for infrastructure are as below -

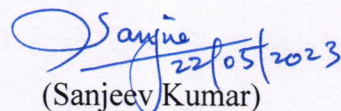
S.No.	Component/Activities		APO 2023-24 (Rs. 80944.163 lakh)	Remarks
1	Activities related to development of forest and wildlife habitat management	Should be minimum 80% of the APO	Rs. 67499.592 lakh	83.39%
2	Activities for strengthening forest & wildlife infrastructure	Should be maximum 20% of the APO	Rs. 13444.570 lakh	16.61%

It is requested to kindly consider the approval of the APO for the year 2023-24.

Format 1 to 9 as desired by your letter no. NA-15/3/2022-NA dated 25.11.2023 are also being attached with this letter.

Encl-As above

Yours faithfully,


(Sanjeev Kumar)

Additional Principal Chief Conservator of Forests
-Cum- Chief Executive Officer,
CAMPA, Jharkhand, Ranchi



कार्यालय :-अपर प्रधान मुख्य वन संरक्षक, कैम्पा, झारखण्ड, राँची।

वन भवन, डोरण्डा, राँची-834002

e-mail : apccf-campa@gov.in, Phone : 0651-2481466 (O)

पत्रांक : 19M(22)/CAMPA/2023-24 -

दिनांक : मई, 2023

सेवा में

अपर मुख्य सचिव,
वन, पर्यावरण एवं जलवायु परिवर्तन विभाग, झारखण्ड, राँची।

प्रधान मुख्य वन संरक्षक,
झारखण्ड, राँची।

प्रधान मुख्य वन संरक्षक -सह- कार्यकारी निदेशक
बंजर भूमि विकास बोर्ड, झारखण्ड, राँची।

प्रधान मुख्य वन संरक्षक, वन्य प्राणी,
एवं मुख्य वन्यप्राणी प्रतिपालक, झारखण्ड, राँची।

प्रधान सचिव,
वित्त विभाग, झारखण्ड, राँची।

सचिव,
उच्च एवं तकनीकी शिक्षा विभाग, झारखण्ड, राँची।

सचिव,
राजस्व, निबंधन एवं भूमि सुधार विभाग, झारखण्ड, राँची।

सचिव,
कृषि, पशुपालन एवं सहकारिता विभाग, झारखण्ड, राँची।

सचिव,
योजना एवं विकास विभाग, झारखण्ड, राँची।

सचिव,
कल्याण विभाग, झारखण्ड, राँची।

सचिव,
ग्रामीण विकास विभाग, झारखण्ड, राँची।

अपर प्रधान मुख्य वन संरक्षक,
वन विकास अभिकरण, झारखण्ड, राँची।

उप महानिदेशक (केन्द्रीय)
पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार,
क्षेत्रीय कार्यालय, श्यामली कॉलोनी, डोरण्डा, राँची।

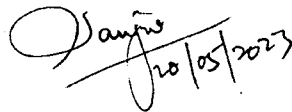
श्रीमती जमुना टुडू, पर्यावरण विशेषज्ञ,
कनक्रीसोल, पोस्ट + थाना - चकुलिया,
जिला - पूर्वी सिंहभूम। पिन कोड - 832301

विषय : झारखण्ड प्रतिकरात्मक वनरोपण कोष प्रबंधन एवं योजना प्राधिकरण
(Jharkhand Compensatory Afforestation Fund Management and Planning
Authority)-राज्य प्राधिकरण की संचालन समिति (Steering Committee) की
दिनांक 03.05.2023 को सम्पन्न बैठक की कार्यवाही का प्रेषण।

प्रसंग:- इस कार्यालय का पत्रांक 212 दिनांक 27.04.2023

महाशय,

उपर्युक्त विषयक प्रासंगिक पत्र के क्रम में सूचित करना है कि प्रासंगिक अधिसूचना द्वारा
झारखण्ड प्रतिकरात्मक वनरोपण कोष प्रबंधन एवं योजना प्राधिकरण (Jharkhand Compensatory
Afforestation Fund Management and Planning Authority)-राज्य प्राधिकरण की संचालन समिति


20/05/2023

(Steering Committee) की दिनांक 03.05.2023 को मुख्य सचिव, झारखण्ड की अध्यक्षता में सम्पन्न बैठक की कार्यवाही इस पत्र के साथ संलग्न कर भेजी जा रही है।
अनु० - यथोक्त।


आपका विश्वासी,

ह०/-

अपर प्रधान मुख्य वन संरक्षक, कैम्पा
झारखण्ड, -सह-
मुख्य कार्यकारी अधिकारी, राज्य प्राधिकरण।

ज्ञापांक : 19M(22)/CAMPA/2023-24 - 228 दिनांक : 20, मई, 2023

प्रतिलिपि:- उप सचिव, मुख्य सचिव कार्यालय, झारखण्ड, राँची को अनुलग्नक की प्रति के साथ सूचनार्थ प्रेषित।

 20/05/2023

अपर प्रधान मुख्य वन संरक्षक, कैम्पा
झारखण्ड, -सह-
मुख्य कार्यकारी अधिकारी, राज्य प्राधिकरण।

Proceedings of the meeting of the Steering Committee of State Authority of Jharkhand CAMPA held on 03.05.2023

Meeting of Steering Committee of State Authority of Jharkhand CAMPA was held on 03.05.2023 under the chairmanship of Chief Secretary, Jharkhand.

2. List of members present is enclosed (Annexure- I).
3. The agenda items were taken up for discussion and following decisions were taken:

Agenda No. 1

The proceedings of the meeting of the Steering Committee held on 31.01.2022 were confirmed.

Agenda No. 2

Annual Report of Financial Year 2021-22

Annual report of 2021-22 was discussed and approved by the Committee.

Agenda No. 3

Annual Report of Financial Year 2022-23

Annual Report of 2022-23 was placed before the Committee. It was informed that the approval of Rs.794.44 crore for the Jharkhand CAMPA APO 2022-23 was granted by the State level Steering Committee in its meeting dated 31.01.2022. It was then sent to National Authority, CAMPA, MoEF&CC, Govt. of India, for its approval. The Executive Committee, National Authority, CAMPA granted the approval of Rs. 764.85 crore for the CAMPA APO 2022-23. The State Govt. allotted the budget of Rs. 354.78 crore against which an amount of Rs.316.50 crore was utilized by the implementing units towards the activities under APO 2022-23.

The Committee discussed the progress against various schemes as contained in the Annual Report of Jharkhand CAMPA for the year 2022-23 having summary of physical achievements, statement of Annual Account for the year and the Quarterly Progress Report ending March, 2023. After discussion, the Annual Report 2022-23 was approved by the Committee.

Agenda No. 3

Annual Plan of Operations for Financial Year 2023-24

A handwritten signature in black ink, followed by the date '28/05/2023' written in black ink.

For the year 2023-24, APO of Rs. 75,361.621Lakh has been prepared based on proposals received from field formations and in accordance with the provisions of Compensatory Afforestation Fund Rules, 2018 and CAF Act 2016.

The proposed APO for 2023-24 consists of six parts:

Part-1 contains site-specific activities, both on going and new ones, pertaining to 'Compensatory Afforestation' and compliance of other conditions imposed by Govt. of India while according forest clearance under FC Act, 1980.

Part-2 contains activities proposed under 'Catchment Area Treatment Plan'.

Part-3 contains proposals under 'Integrated Wildlife Management Plan'.

Part-4 contains activities, both ongoing and new ones, as permissible under 'Net Present Value' (NPV).

Part-5 contains 'Utilization of interest' accrued on deposits in State Fund, and

Part-6 contains activities under 'Others' component.

A summary of Part-wise outlay is given below: -

Part-wise APO 2023-24		Outlay (Rs. in lakh)
1	Compensatory Afforestation	
1.A	Completion and maintenance work under on-going schemes	50,92.755
1.B	New works	85,48.170
	Sub-total	136,40.925
2	Catchment Area Treatment Plan	29,97.879
3	Integrated Wildlife Management Plan	85,17.112
4	Net Present Value (NPV)	
4.A	Completion and maintenance work under on-going schemes	87,27.491
4.B	New works	383,62.106
	Sub-total	470,89.597
5	Interest	
5.A	Conservation and development of forest and wildlife	11,50.000
5.B	Non-recurring and recurring expenditure of State Authority	1,50.000
5.C	Study to improve wildlife, protection of forests and Bio-diversity.	2,00.000
	Sub-total	15,00.000
6	Others	16,16.108
	Total	753,61.621

The APO contains physical and financial targets proposed under different categories, major works under CA/PCA component being completion work in 3607.480ha, maintenance work in 14679.546 ha and advance work in 5535.031 ha under Block Plantations, besides other condition compliance works. Highest priority has been accorded to speed up clearing of backlog of compensatory afforestation. The APO also contains proposals

S. Anis
20/05/2023

under Catchment Area Treatment (CAT) Plan and Integrated wildlife Management plan (IWMP) for various forest divisions.

Further, under NPV component, proposal of 7219.500 ha. second year work of block plantations; 14850.000 ha second year work of Silviculture, Natural Regeneration & soil & moisture conservation scheme; 2575.000 ha. Maintenance work of block plantations; 17171.000 ha. maintenance work of Silviculture, Natural Regeneration & soil & moisture conservation scheme and 8400.000 ha. first year work for block plantation; 11745.000 ha first year work for Silviculture, Natural Regeneration & soil & moisture conservation scheme; 100.000 ha. first year work for Sisal plantation are proposed. Further, the proposal contains maintenance of permanent and Hi-Tech nurseries, infrastructure facilities for frontline staff, promotion of solar energy and energy saving devices, Survey of forest areas in 12 forest division by LiDAR technology, Wildlife habitat improvement and related works. etc.

Ministry of Environment, Forest & Climate Change, Govt. of India had transferred an amount of Rs. 4,158 crore vide its letter no. 11-100/2015-FC dated 29.08.2019 towards the State share of Jharkhand. As against the proposed APO of Rs. 75,361.621 Lakh, implementation of various activities in the proposed APO will be limited to the amount sanctioned by the state Government, Jharkhand after the final approval of the National CAMPA, Govt. of India.

The Committee members deliberated in details on the APO proposals and the following decisions were taken –

1. The Committee noted the stipulated target of CA/PCA and their provision in APO 2023-24 and agreed to complete the stipulated target of CA/PCA.
2. The Committee suggested to establish Nursery in each block of Jharkhand. Saplings of timber species, fruit species for wildlife, fruit species for agroforestry and tall plants to be raised in these nurseries. It was also discussed to take adequate publicity measures so that public can easily purchase plants. The Committee discussed launching of nursery portal which should include name, site/location/availability of types of plants with their numbers & price at which it is available. Provision shall be made for online purchase and may consider home delivery of the plants. It was informed that nursery portal is being designed & likely to be completed very soon.
3. The Committee also noted that the State will make full budgetary allocation for CAMPA as per the amount approved by the Steering Committee. The Committee also decided that the first supplementary budget of State should be based on the amount of approval of CAMPA APO and not on the expenditure incurred during the period of consideration.
4. The Committee deliberated on the outcome of scheme of silviculture operation in forest area and emphasized to give priority to this scheme for better conservation efforts.

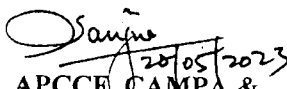
Sanyal
12/05/2023

The Steering Committee approved the APO of 2023-24 of Jharkhand CAMPA. As per the decision of the Committee, the amount of establishment of new 155 permanent nurseries in rest of the Blocks so that every Block may have atleast one nursery, has been included in the APO.

Accordingly, the APO with the following abstract is approved:

Part-wise APO 2023-24		Outlay (Rs. in lakh)
1	Compensatory Afforestation	
1.A	Completion and maintenance work under on-going schemes	50,92.755
1.B	New works	85,48.170
	Sub-total	136,40.925
2	Catchment Area Treatment Plan	29,97.879
3	Integrated Wildlife Management Plan	8517.112
4	Net Present Value (NPV)	
4.A	Completion and maintenance work under on-going schemes	8087.156
4.B	New works	44584.983
	Sub-total	52672.140
5	Interest	
5.A	Conservation and development of forest and wildlife	1150.000
5.B	Non-recurring and recurring expenditure of State Authority	150.000
5.C	Study to improve wildlife, protection of forests and Bio-diversity.	200.000
	Sub-total	1500.000
6	Others	1616.108
	Total	809,44.163

The meeting ended with a vote of thanks to the Chair.


 20/05/2023
 APCCF, CAMPA &
 CEO, State Authority,
 Jharkhand CAMPA

Annexure-1

List of participants present through in the meeting of the Steering Committee of State Authority of Jharkhand CAMPA held on 03.05.2023

1. Shri Sukhdev Singh, Chief Secretary, Jharkhand (Chairperson)
2. Shri L. Khiangte, Additional Chief Secretary, Department of Forests, Environment & Climate Change, Govt. of Jharkhand, Ranchi. (Present online)
3. Shri Sanjay Srivastava, Principal Chief Conservator of Forests, Jharkhand, Ranchi.
4. Shri Sanjay Srivastava, PCCF & Executive Director, Wasteland Development Board-Cum-Nodal Officer, FC Act, Jharkhand, Ranchi.
5. Shri Shashikar Samanta, Principal Chief Conservator of Forests, Wildlife & Chief Wildlife Warden, Jharkhand, Ranchi.
6. Shri Ajoy Kumar Singh, Principal Secretary, Department of Finance, Govt. of Jharkhand, Ranchi.
7. Shri Vishwanath Sah, Additional Principal Chief Conservator of Forests, FDA, Jharkhand, Ranchi.
8. Representative of Department of Agriculture, Animal Husbandry & Co-operatives, Jharkhand, Ranchi.
9. Representative of Department of Planning and Development, Jharkhand, Ranchi.
10. Shri Srinivasan, Secretary, Department of Scheduled Tribe, Scheduled Caste, Minority and Backward Class Welfare, Jharkhand, Ranchi.
11. Shri Chandrashekher, Secretary, Department of Rural Development, Jharkhand, Ranchi.
12. Shri Santosh Tewari, Deputy Director General (Central), Integrated Regional Office, MoEF&CC, Ranchi.
13. Smt. Jamuna Tuddu, Chakulia (Representative of Tribal Community)
14. Sanjeev Kumar, Additional Principal Chief Conservator of Forest, CAMPA, Jharkhand, Ranchi & CEO, State, Authority (Member-Secretary)

Jharkhand CAMPA

Steering Committee Meeting of State Authority For APO 2023-24

Agenda Note

Date : **03 May, 2023**

Time : **03.30 P.M.**

Venue : **Conference Hall
Office of the Chief Secretary, Jharkhand
Project Building.**

Agenda No. 1

Confirmation of the proceedings of the last meeting of the Jharkhand CAMPA Steering Committee

The proceedings of the last meeting of the State CAMPA Steering Committee held on 31.01.2022 is placed at **Annexure-1**, It was circulated to all the members. No comments were received from any member in this regard.

Confirmation of the minutes of the said meeting by the Steering Committee is solicited.

Agenda No. 2

Approval of Annual Report of Financial Year 2021-22

An approval of Rs. 469.55 crore for the Jharkhand CAMPA APO 2021-22 was been granted by the State level Steering Committee in its meeting dated 17.05.2021. It was then sent to the National Authority CAMPA, MoEFCC, Govt. of India for its approval. The National Authority CAMPA had approved Rs. 437.60 crore. The State Govt. allotted the budget of Rs. 288.07 crore for implementation of CAMPA APO activities. An expenditure of Rs. 240.99 crore has been incurred by the implementing units towards activities under the APO. The works have been enlisted in the Annual Report.

The Annual Report of Jharkhand CAMPA for the Year 2021-22 consists of decision of the Executive and the Steering Committee during the year, brief of the Annual Plan of operation for 2021-22, Status of fund, statement of Annual Account and the quarterly progress Report upto 31st March, 2022.

The Steering Committee may like to peruse and approve the same.

Agenda No. 3

Approval of Annual Report of Financial Year 2022-23

Approval of Rs. 794.44 crore for the Jharkhand CAMPA APO 2022-23 was granted by the State level Steering Committee in its meeting dated 31.01.2022. It was then sent to Govt. of India, CAMPA National Authority for its approval. The Executive Committee of CAMPA National Authority has approved Rs. 764.85 crore.

The State Govt. has approved Rs. 764.78 crore for implementation of CAMPA APO activities and allotted the budget of Rs. 354.93 crore. An expenditure of Rs. 316.50 crore has been incurred by the implementing units. The works have been enlisted in the Annual Report. The Steering committee may like to peruse and approve the same.

Agenda No. 4

Annual Plan of Operations for FY 2023-24

For the year 2023-24, APO of Rs. 59525.936 Lakh has been prepared based on proposals received from field formations and in accordance with the provisions of Compensatory Afforestation Fund Rules, 2018 and CAF Act 2016. It was approved by the Executive Committee on its meeting held on 23.12.2022.

As per direction of State Government (vide letter no. 872 Dated 06.03.2023), Survey by LiDAR technology has to be included in the APO for Bokaro, Dhanbad, Ramgarh, Giridih East, Giridih West, Dumka, Deoghar, Godda, Pakur, Jamtara, Sahibganj and Hazaribagh Wild Life Divisions in FY 2023-24 with amount of Rs. 2938.200 Lakh.

Hence meeting of Executive Committee was again convened on 23.03.2023 and finally additional proposal for Rs. 15835.685 lakh was approved. Accordingly final APO for the year 2023-24 has been prepared for Rs. 75361.621 Lakh.

The proposed APO 2023-24 consists of six parts: **Part-1** contains site-specific activities, both ongoing and new ones, pertaining to 'Compensatory Afforestation' and compliance of other conditions imposed by Govt. of India while according forest clearance under FC Act, 1980. **Part-2** contains activities proposed under 'Catchment Area Treatment Plan'. **Part-3** contains proposals under 'Integrated Wildlife Management Plan'. **Part-4** contains activities, both ongoing and new ones, as permissible under 'Net Present Value' (NPV). **Part-5** contains 'Utilization of interest' accrued on deposits in State Fund, and **Part-6** contains activities under 'Others' component.

A summary of Part-wise outlay is given below: -

Part-wise APO 2023-24		Outlay (Rs. in lakh)
1	Compensatory Afforestation	
1.A	Completion and maintenance work under on-going schemes	5092.755
1.B	New works	8548.170
	Sub-total	13640.925
2	Catchment Area Treatment Plan	2997.879
	Sub-total	2997.879
3	Integrated Wildlife Management Plan	8517.112
	Sub-total	8517.112
4	Net Present Value (NPV)	
4.A	Completion and maintenance work under on-going schemes	8727.491
4.B	New works	38362.106
	Sub-total	47089.597
5	Interest	
5.A	Conservation and development of forest and wildlife	1150.000
5.B	Non-recurring and recurring expenditure of State Authority	350.000
	Sub-total	1500.000
6	Others	1616.108
	Total	75361.621

The APO contains physical and financial targets proposed under different categories, major works under CA/PCA component being completion work in 3607.480 ha, maintenance work in 14679.546 ha and advance work in 5535.031 ha under Block Plantations, besides other condition compliance works. Highest priority has been accorded to speed up clearing of backlog of compensatory afforestation. The APO also contains proposals under Catchment Area Treatment (CAT) Plan and Integrated Wildlife Management Plan (IWMP) for various forest divisions.

Further, under NPV component, for Proposal of 7219.500 ha. second year work of block plantations, 14850.000 ha. second year work of Silviculture, Natural Regeneration & soil & moisture conservation scheme; 2575.000 ha. maintenance work of block plantations, 17171.000 ha. maintenance work of Silviculture, Natural Regeneration & soil & moisture conservation scheme; and 8400.000 ha. first year

work for block plantation, 11745.00 ha. first year work for Silviculture, Natural Regeneration & soil & moisture conservation scheme, 100.00 ha. first year work for Sisal plantation are proposed. Further, the proposal contains maintenance of permanent and Hi-Tech nurseries, infrastructure facilities for frontline staff, promotion of solar energy and energy saving devices, Survey by LiDAR technology, wildlife habitat improvement and related works etc.

Govt. of India, Ministry of Environment, Forest & Climate Change had transferred an amount of Rs. 4,158 crores vide its letter no. 11-100/2015-FC dated 29.08.2019 towards the State share of Jharkhand. As against the proposed APO of Rs. 75361.621 Lakh, implementation of various activities, in the proposed APO will be limited to the amount sanctioned by the State Government, Jharkhand after the final approval of the National CAMPA, Govt. of India.

Approval of the Steering Committee on the APO 2023-24 with an outlay of Rs. 75361.621 Lakh is solicited.

Agenda No. 5

(Any other CAMPA matter with the permission of the Chair)



कार्यालय :- अपर प्रधान मुख्य वन संरक्षक, कैम्पा, झारखण्ड, राँची।

वन भवन, डोरण्डा, राँची-834002

e-mail : apccf-campa@gov.in, Phone : 0651-2481466 (O)

पत्रांक : 19M(22)/CAMPA/2022-23 -

दिनांक : फरवरी, 2022

सेवा में

अपर मुख्य सचिव,
उच्च एवं तकनीकी शिक्षा विभाग, झारखण्ड, राँची।

अपर मुख्य सचिव,
वन, पर्यावरण एवं जलवायु परिवर्तन विभाग, झारखण्ड, राँची।

अपर मुख्य सचिव,
राजस्व, निबंधन एवं भूमि सुधार विभाग, झारखण्ड, राँची।

प्रधान मुख्य वन संरक्षक,
झारखण्ड, राँची।

प्रधान मुख्य वन संरक्षक -सह- कार्यकारी निदेशक
बंजर भूमि विकास बोर्ड, झारखण्ड, राँची।

प्रधान मुख्य वन संरक्षक, वन्य प्राणी,
एवं मुख्य वन्यप्राणी प्रतिपालक, झारखण्ड, राँची।

प्रधान सचिव,
वित्त विभाग, झारखण्ड, राँची।

सचिव,
योजना एवं विकास विभाग, झारखण्ड, राँची।

सचिव,
ग्रामीण विकास विभाग, झारखण्ड, राँची।

सचिव,
कल्याण विभाग, झारखण्ड, राँची।

सचिव,
कृषि, पशुपालन एवं सहकारिता विभाग, झारखण्ड, राँची।

अपर प्रधान मुख्य वन संरक्षक,
वन विकास अभिकरण, झारखण्ड, राँची।

उप महानिदेशक (केन्द्रीय)
पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार,
क्षेत्रीय कार्यालय, श्यामली कॉलोनी, डोरण्डा, राँची।

श्रीमती जमुना टुडू, पर्यावरण विशेषज्ञ,
कनक्रीसोल, पोस्ट + थाना - चकुलिया,
जिला - पूर्वी सिंहभूम। पिन कोड - 832301

विषय : झारखण्ड प्रतिकरात्मक वनरोपण कोष प्रबंधन एवं योजना प्राधिकरण (Jharkhand Compensatory Afforestation Fund Management and Planning Authority)-राज्य प्राधिकरण की संचालन समिति (Steering Committee) की दिनांक 31.01.2022 को सम्पन्न बैठक की कार्यवाही का प्रेषण।

प्रसंग:- इस कार्यालय का पत्रांक 40 दिनांक 25.01.2022

महाशय,

उपर्युक्त विषयक प्रासंगिक पत्र के क्रम में सूचित करना है कि प्रासंगिक अधिसूचना द्वारा झारखण्ड प्रतिकरात्मक वनरोपण कोष प्रबंधन एवं योजना प्राधिकरण (Jharkhand Compensatory Afforestation Fund Management and Planning Authority)-राज्य प्राधिकरण की संचालन समिति

(Steering Committee) की दिनांक 31.01.2022 को मुख्य सचिव, झारखण्ड की अध्यक्षता में सम्पन्न बैठक की कार्यवाही इस पत्र के साथ संलग्न कर भेजी जा रही है।
अनु० - यथोक्त।

आपका विश्वासी,

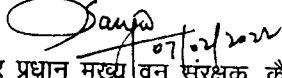
ह०/-

अपर प्रधान मुख्य वन संरक्षक, कैम्पा
झारखण्ड, -सह-
मुख्य कार्यकारी अधिकारी, राज्य प्राधिकरण।

ज्ञापांक : 19M(22)/CAMPA/2022-23 - ३५

दिनांक : ०७, फरवरी, 2022

प्रतिलिपि:- उप सचिव, मुख्य सचिव कार्यालय, झारखण्ड, राँची को अनुलग्नक की प्रति के साथ सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।


अपर प्रधान मुख्य वन संरक्षक, कैम्पा
झारखण्ड, -सह-
मुख्य कार्यकारी अधिकारी, राज्य प्राधिकरण।

**Proceedings of the meeting of the Steering Committee of State Authority of Jharkhand
CAMP A held on 31.01.2022**

Meeting of Steering Committee of State Authority of Jharkhand CAMP A was held on 31.01.2022 under the chairmanship of Chief Secretary, Jharkhand.

2. List of members present is enclosed (Annexure- I).
3. The agenda items were taken up for discussion and following decisions were taken:-

Agenda No. 1:

The proceedings of the meeting of the Steering Committee held on 17.05.2021 were confirmed.

Agenda No. 2

Progress of Financial Year 2021-22

Approval of Rs. 469.55 crore for the Jharkhand CAMP A APO 2020-21 was granted by the State level Steering Committee in its meeting dated 17.05.2021. It was then sent to National Authority, CAMP A, MoEF&CC, Govt. of India, for its approval. The Executive Committee, National Authority, CAMP A has so far granted the approval of Rs. 437.60 crore for the CAMP A APO 2021-22. The State Govt. has allotted the budget of Rs. 219.25 crore for implementation of CAMP A APO activities. Expenditure of Rs. 123.73 crore has been incurred by the implementing units towards activities under the APO. The works are under progress in CA, NPV, CAT Plan and IWMP.

The Committee took note of the progress of various schemes of APO 2021-22 up to 28th January, 2021.

Agenda No. 3

Annual Plan of Operations for Financial Year 2022-23

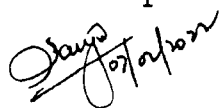
For the year 2022-23, APO of Rs. 79477.074 Lakh has been prepared based on proposals received from field formations and in accordance with the provisions of Compensatory Afforestation Fund Rules, 2018 and CAF Act 2016.

The APO has been arranged in two volumes. Volume I and Volume II.

Volume I contains Form XII of the APO having the entire details of budget for 2022-23 with relevant annexures. Volume II contains relevant estimates of work and important letters for inclusion of some activity during preparation of APO.

The proposed APO for 2022-23 in Volume I consists of six parts:

- Part-1** contains site-specific activities, both on going and new ones, pertaining to 'Compensatory Afforestation' and compliance of other conditions imposed by Govt. of India while according forest clearance under FC Act, 1980.
- Part-2** contains activities proposed under 'Catchment Area Treatment Plan'.
- Part-3** contains proposals under 'Integrated Wildlife Management Plan'.
- Part-4** contains activities, both ongoing and new ones, as permissible under 'Net Present Value' (NPV).
- Part-5** contains 'Utilization of interest' accrued on deposits in State Fund, and
- Part-6** contains activities under 'Others' component.



A summary of Part-wise outlay is given below: -

Part-wise APO 2022-23		Outlay (Rs. in lakh)
1	Compensatory Afforestation	
1.A	Completion and maintenance work under on-going schemes	6691.213
1.B	New works	11047.442
	Sub-total	17738.655
2	Catchment Area Treatment Plan	3013.202
3	Integrated Wildlife Management Plan	8962.822
4	Net Present Value (NPV)	
4.A	Completion and maintenance work under on-going schemes	4374.031
4.B	New works	43988.364
	Sub-total	48362.395
5	Interest	
5.A	Conservation and development of forest and wildlife	1000.000
5.B	Non-recurring and recurring expenditure of State Authority	200.000
	Sub-total	1200.000
6	Others	200.000
	Total	79477.074

The APO contains physical and financial targets proposed under different categories, major works under CA/PCA component being completion work in 6327.687ha, maintenance work in 18288.266 ha and advance work in 8101.695 ha under Block Plantations, besides other targets and condition compliance works. Highest priority has been accorded to speed up clearing of backlog of compensatory afforestation. The APO also contains proposals under Catchment Area Treatment (CAT) Plan and Integrated Wildlife Management Plan (IWMP) for various forest divisions.

Further, under NPV component, Silvicultural operation scheme second year work in 11,445.00 ha, block plantation second year work in 2900.000 ha, maintenance work of block plantations in 3491.50 ha, maintenance of Silvicultural operation scheme has been proposed further in 14831.530 ha. First year work for Silvicultural operation scheme is proposed in 14850.000 ha, and first year work for block plantation year is proposed in 14400.000 ha. Besides other work further, the proposal contains maintenance of permanent and Hi-Tech nurseries, infrastructure facilities for frontline staff, promotion of solar energy and energy saving devices, evaluation of CAMPA works, wildlife habitat improvement and related works etc.

Ministry of Environment, Forest & Climate Change, Govt. of India had transferred an amount of Rs. 4,158 crore vide its letter no. 11-100/2015-FC/NA dated 29.08.2019 and letter no. 11-100/2015-FC/NA dated 03.11.2021 towards the State share of Jharkhand. As against the proposed APO of Rs. 79477.074 Lakh, implementation of various activities will be

S. Singh
07/02/2022

limited to the amount sanctioned by the State Government, Jharkhand after the final approval of National CAMPA, Govt. of India.

The Committee members deliberated in details on the APO proposals and the following decisions were taken -

1. The Committee discussed on the stipulated target of CA/PCA and their provision in APO 2022-23. It has been agreed upon to complete the stipulated target of CA/PCA.
2. Smt. Jamuna Tudu, representative of tribal community discussed the need to address the problem of human-wildlife conflict in Chakulia. She suggested plantation of fruit bearing trees and other species in chakulia and Jamshedpur for wild life habitat improvement. The Committee was informed that the provision of plantation including fruit tree plantation have been made in the APO 2022-23
3. The Committee also discussed the proposals under Net Present Value (NPV) component for afforestation, wildlife habitat improvement, protection and improvement of forests through natural forest management, forest protection, and maintenance of permanent and Hi-Tech nurseries, infrastructure facilities for frontline staff etc. in details. As there is scheme from government for Gas chulha, hence to discourage fuel wood in chulha, it was decided to drop provision of unnat chulha from APO 2022-23 and include its budget in CAF Rule 5(3)(c) for Dragon torch.
4. Finance Secretary, Government of Jharkhand suggested to geo-tag all the water harvesting structures and to make polygons of those also. He also suggested to upload photographs of CAMPA works so that it is available in public Domain. He suggested to encourage bamboo plantation near water harvesting structure. It was informed that there is mandate to upload polygons of all works executed under CAMPA on e-green watch portal hosted by Government of India. So far 90 % of plantation sites and 87% of other than plantation work have been uploaded on e-green watch portal and Department is continuously working to upload polygons on e-green watch portal.
5. The Committee discussed launching of nursery portal which should include name, site/location/availability of type of plants with their numbers & price at which it is available. Provision shall be made for online purchase and may consider home delivery of the plants. It was informed that nursery portal is being designed & likely to be completed before next working season.
6. The Committee discussed on maintenance of forest roads, causeways and culverts. As causeways and culverts are the integral part of a forest road, the Committee decided to merge these under the head "Up gradation and maintenance of forest roads."
7. The Committee discussed at length on utility of solar lights and other items proposed under CAF Rule 5(3) c. It was decided to deduct the provision of ~~for~~ solar lights/ solar street light and these money to be included in purchase of dragon torches in desired numbers as man animal conflicts are increasing.


Sanjiv
07/02/2022

8. The Committee wanted to know the occupancy of previously constructed quarters. It was informed that previously made Forest guard quarters have been allotted to them and they are put to effective use.
9. The Committee was informed that apart from ongoing internal monitoring of CAMPA works, an independent third-party agency has also been engaged to evaluate the works undertaken from CAMPA funds. Monitoring work is in progress and is likely to be completed by March, 2022. Due to second wave of COVID 19, during April –May 2021, the progress was obstructed.
10. The Committee observed that adequate publicity measures and awareness generation programme may be undertaken in the year 2022-23 so that the general public and local communities become aware of the importance of forest, wildlife and biodiversity. It was informed that the provisions in this regard have been incorporated in the APO and very soon a booklet will be published on CAMPA works.

The Steering Committee approved the APO of 2022-23 of Jharkhand CAMPA for Rs. 79477.074 lakh as follows.

Part-wise APO 2022-23		Outlay (Rs. in lakh)
1	Compensatory Afforestation	
1.A	Completion and maintenance work under on-going schemes	6691.213
1.B	New works	11047.442
	Sub-total	17738.655
2	Catchment Area Treatment Plan	3013.202
3	Integrated Wildlife Management Plan	8962.822
4	Net Present Value (NPV)	
4.A	Completion and maintenance work under on-going schemes	4374.031
4.B	New works	43988.364
	Sub-total	48362.395
5	Interest	
5.A	Conservation and development of forest and wildlife	1000.000
5.B	Non-recurring and recurring expenditure of State Authority	200.000
	Sub-total	1200.000
6	Others	200.000
	Total	79477.074

The meeting ended with a vote of thanks to the Chair.


 APCCF, CAMPA &
 CEO, State Authority,
 Jharkhand CAMPA

List of participants present through in the meeting of the Steering Committee of State Authority of Jharkhand CAMPA held on 31.01.2022

1. Shri Sukhdev Singh, Chief Secretary, Jharkhand (Chairperson)
2. Shri K.K Khandelwal, Additional Chief Secretary, Department of Higher & Technical Education, Jharkhand, Ranchi.
3. Shri L. Kiangte, Additional Chief Secretary, Department of Forests, Environment & Climate Change, Govt. of Jharkhand, Ranchi.
4. Shri L. Kiangte, Additional Chief Secretary, Department of Revenue, Registration and Land Reforms, Govt. of Jharkhand, Ranchi.
5. Shri A.K. Rastogi, Principal Chief Conservator of Forests, Jharkhand, Ranchi.
6. Shri A.K. Rastogi, PCCF & Executive Director, Wasteland Development Board-Cum-Nodal Officer, FC Act, Jharkhand, Ranchi.
7. Shri Rajeev Ranjan, Principal Chief Conservator of Forests, Wildlife & Chief Wildlife Warden, Jharkhand, Ranchi.
8. Shri Ajoy Kumar Singh, Principal Secretary, Department of Finance, Govt. of Jharkhand, Ranchi.
9. Shri Rahul Sharma, Secretary, Department of Planning and Development, Jharkhand, Ranchi.
10. Shri Manish Ranjan, Secretary, Department of Rural Development, Jharkhand, Ranchi.
11. Dr. K. K. Son, Secretary, Department of Scheduled Tribe, Scheduled Caste, Minority and Backward Class Welfare, Jharkhand, Ranchi.
12. Shri Aboobakar Siddique, Secretary, Department of Agriculture, Animal Husbandry & Co-operatives, Jharkhand, Ranchi.
13. Shri Santosh Tewari, Deputy Director General (Central), Integrated Regional Office, MoEF&CC, Ranchi.
14. Smt. Yamuna Tuddu, Environmentalist – Representation of Tribal Community.
15. Sanjeev Kumar, Additional Principal Chief Conservator of Forest, CAMPA, Jharkhand, Ranchi & CEO, State, Authority (Member-Secretary)



Government of Jharkhand
Department of Forest, Environment and Climate Change

Annual Plan of Operation 2023-24



Jharkhand State Compensatory Afforestation Fund
Management & Planning Authority

Jharkhand CAMPA
Annual Plan of Operation 2023-24

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Form-XII

**JHARKHAND COMPENSATORY
AFFORESTATION FUND MANAGEMENT &
PLANNING AUTHORITY**

Annual Plan of Operation 2023-24

Part-1:

Brief History and past performance

Brief History and past performance

Compensatory Afforestation: As per Para 2.1 of the Guidelines issued under the Forest (Conservation) Act, 1980, Compensatory Afforestation is one of the most important conditions stipulated by the Central Government while approving proposals for diversion of forest land for non-forest uses. It is essential that for all such proposals, a comprehensive scheme for Compensatory Afforestation (CA) is formulated and submitted to the Government of India.

Net Present Value: In pursuance of the order of 29th Oct 2002 of Hon'ble Supreme Court in writ petition no 202/95 in addition to the funds realized for compensatory afforestation, the npv of forest land diverted for non-forest activity is also to be recovered from the user agencies, for undertaking forest protection, other conservation measures and related activities.

CREATION OF CAMPA

Directions of Hon'ble Supreme Court

(i) Supreme Court in its order in T.N. Godavarman Thirumulpad vs. Union of India and Others [Writ Petition (Civil) No. 202 of 1995], dated the 30th October, 2002, observed that a Compensatory Afforestation Fund be created in which all the monies received from the user agencies towards compensatory afforestation, additional compensatory afforestation, penal compensatory afforestation, net present value of the diverted forest land or catchment area treatment plan shall be deposited;

(ii) The Supreme Court directed that, besides artificial regeneration (Plantations), the Fund shall also be utilised for undertaking assisted natural regeneration, protection of forests, infrastructure development, wildlife protection and other related activities and implemented through the Compensatory Afforestation Fund to ensure effective and proper utilisation of funds;

Compensatory afforestation was to compensate for the loss of tangible as well as intangible benefits from the forest lands which were diverted for non-forest use. Such funds were to be used for natural assisted regeneration, forest management, protection, infrastructure development, wildlife protection and management, supply of wood and other forest produce saving devices and other allied activities. The Court observed that the fund would not be part of general revenues of the Union, of the States or part of the Consolidated Fund of India.

Ministry of Environment and Forests (MoEFCC) notified the Compensatory Afforestation Management Funds Management and Planning Authority (CAMPA) in April, 2004 for the management of the compensatory afforestation fund.

(iii) The Supreme Court of India observed in May 2006, that CAMPA had still not become operational and ordered the constitution of an ad-hoc body (known as 'Ad-hoc CAMPA'), till CAMPA became operational. Central Government formulated guidelines dated the 2nd July, 2009 on the subject of State Authority for utilisation of funds lying with the Ad-hoc Authority.

Government of Jharkhand vide its Notification No. 3/Vanbhumi 21/2009-3363 dated 23rd October, 2009 constituted Jharkhand CAMPA in pursuance to the directive of Govt. of India, Ministry of Environment & Forests vide its D.O. No. 5-1/2009-FC, dated 21st July, 2009. Further, the Government of Jharkhand vide its Notification No. 1879 dated 29th April, 2013 created a full-fledged CAMPA wing under the charge of Additional Principal Chief Conservator of Forests (APCCF), CAMPA for effective implementation and monitoring of CAMPA Scheme in the State.

Objectives of CAMPA

CAMPA is intended as an instrument to accelerate activities for preservation of natural forests, management of wildlife, infrastructure development in forests and other allied works. The monies collected from user agencies towards compensatory afforestation, additional compensatory afforestation, penal compensatory afforestation, Net Present Value (NPV) and all other amounts recovered from such agencies under the Forest (Conservation) Act, 1980 is to be utilized for undertaking compensatory afforestation, assisted natural regeneration, conservation and protection of forests, infrastructure development, wildlife conservation and forest protection.

Broad objectives of CAMPA are as under:

- (a) Compensatory Afforestation/ Penal Compensatory Afforestation/ Compliance of other conditions stipulated while according approval for diversion of forest areas in the State;
- (b) Conservation, protection, regeneration and management of existing natural forests;
- (c) Biodiversity conservation and management of Protected Areas and wildlife habitats;
- (d) Monitoring and evaluation of the works undertaken under the CAMPA;
- (e) Awareness generation, promoting activities and study tours on conservation methods and best practices.

Rationale for the APO 2023-24:

Considering the above issues and challenges being faced by the forests in Jharkhand, rapid increase and qualitative improvement in the State's Forest resources is an imperative. Ever increasing demand for forest produce like firewood, grasses, bamboos and minor forest produce (NTFP) from already shrinking forest areas has led to degradation of forest stocks in quality and quantity. In several areas the rootstock available if protected can regenerate into well-stocked biodiversity areas. In other areas certain species have disappeared giving way to blanks and invasive species. Here apart from protection, augmentation of the stock with important species by way of planting is necessary. Thus, by protecting the existing rootstock, production of quality planting material and planting it to augment the stock along with natural regeneration can improve the existing stock to a desirable level. It also warrants forestry interventions for addressing issues of regeneration of forest, enrichment of the vegetal cover, and improvement of water/moisture regime in forest areas in a holistic manner.

Objectives of the APO 2023-24

This Annual Plan of Operations has therefore, been prepared to compensate not only the loss of flow of forest products and ecosystem services from forest lands diverted to non-forestry use through raising compensatory afforestation, but also to alleviate the resultant biotic and abiotic pressure that shifts to the remaining forests, by improving the quality of those forests, both by direct intervention and by increased protection.

Enactment of Compensatory Afforestation Fund Act, 2016; Rules, 2018; and related guidelines:

In view of the provisions of Compensatory Afforestation Fund (CAF) Act, 2016, Compensatory Afforestation Fund Rules, 2018 and the Accounting Procedure therein, as notified by the Govt. of India Ministry of Environment, Forest & Climate Change, The Jharkhand Compensatory Afforestation Fund Management Planning Authority (Jharkhand CAMPA) was notified vide Ministry's notification no. 4855 (E) dated 14.09.2018 which became effective w.e.f. 30.09.2018. In pursuance of provisions of the CAF Act, 2016, the Government of Jharkhand has notified the State Compensatory Afforestation Fund vide its notification no. 04/ CAMPA-01/2018-696 dated 13.02.2019. The monies received in the State Fund shall be an interest-bearing fund under public accounts. The balance in each State Fund shall be non-lapsable and get interest as per the rate declared by the Central Government on year-to-year basis.

As per the Accounting Procedure, consequent upon issue of notification for establishment of respective State Compensatory Afforestation Funds by the concerned State Governments in terms of sub-section (1) of section 4 of the Act, State share (90 Percent of the monies with Ad- hoc Authority) so credited to the National Compensatory Afforestation Deposits under Major Head 8336-Civil Deposits, shall be transferred to State Compensatory Afforestation Fund (SCAF) as per each State share. While transferring respective State share to the State Fund, breakup shall be provided at an appropriate level below the Minor Head 'State Compensatory Afforestation Fund (SCAF)' and these heads of accounts shall be uniformly applicable across all the States/Union Territories. The monies received by the State Governments from the User Agencies shall be credited in 'State Compensatory Afforestation Deposits' in Public Account of the State out of which 90 Percent shall be transferred into the Public Account of the State and 10 Percent credited into the National Fund on yearly basis.

Further, under the Jharkhand CAMPA State Authority, various Committees viz. the Governing Body, Steering Committee and Executive Committee have been notified by the State Government vide respective notification no. 1532, 1533 and 1534 dated 25.04.2019.

Govt. of India Ministry of Environment, Forest & Climate Change has transferred an amount of Rs. 4,158 crores vide its letter no. 11-100/2015-FC dated 29.08.2019 and dated 03.11.2021 towards the State share of Jharkhand.

The Ministry has informed earlier through the decision taken in 5th meeting of its National CAMPA Advisory Council that the normal forest activity in the State should be undertaken from the State's own plan funds and there must be no attempt to shift the obligation in respect to such items of works to the CAMPA. The CAMPA funds must be treated as an additionally.

The Executive Committee of National CAMPA Authority, Ministry of Environment, Forest & Climate Change, Government of India vide its O.M. No. 11-100/2015-FC dated 07.11.2019 has emphasized that there should not be any reduction of budget allocation in forestry sector in the regular State budget due to flow of CAMPA funds. This was reiterated by the Ministry vide the proceedings of 4th meeting of Executive Committee of CAMPA National Authority held on 15.10.2019. Subsequently, the Ministry observed during its 7th meeting of Executive Committee of National CAMPA held on 30.06.2020 that there should not be any reduction in allocation for forestry sector in the regular State Budget due to flow of CAMPA funds to the States. In addition, the State Government shall also make timely and adequate budget provision as per approved APO and release money so that activities approved under the APO could be implemented in time.

Main provisions of Compensatory Afforestation Fund Rules, 2018

In exercise of the power conferred by sub-section (1) and (2) of section 30 of the Compensatory Afforestation Fund Act, 2016, the Central Government notified the Compensatory Afforestation Fund Rules, 2018. The main provisions of these Rules are as below:

Rule 5: Manner of utilisation of Net Present Value-

Sub-Rule 5(2): Forest and wildlife management in the State

Assisted natural regeneration, artificial regeneration, silvicultural operations in forests, protection of plantations and forests, soil and moisture conservation works in the forest, voluntary relocation of villages from protected areas, improvement of wildlife habitat as provided in the approved wildlife management plan or working plan, establishment, operation and maintenance of animal rescue center, supply of wood-saving cooking appliances and other forest produce saving devices in forest fringe villages.

Sub-Rule 5(3): Strengthening of forest and wildlife related infrastructure & capacity building in the State

Establishment, up-gradation and maintenance of modern nurseries and other planting stock production facilities for production of quality planting materials; construction of residential and official buildings in forests for front line staffs deployed for protection of forest and wildlife, casual engagement of local people or labors to assist regular staff of State Forest Department for works for protection of forest and wildlife, independent concurrent monitoring and evaluation and third party monitoring of various works, publicity-cum-awareness programme, production and distribution of quality planting material through certified nurseries at subsidized price for promotion of trees outside forests

Sub-Rule 5(4): Prohibited activities:

The monies received towards Net Present Value shall not be used for following activities, namely

- (i) payment of salary, travelling allowances, medical expenses etc.;
- (ii) undertaking foreign visits;
- (iii) payment for legal services for defending cases filed in Tribunals or Courts not related to the management of State Authority;
- (iv) purchase of vehicles or staff cars for officers and heavy vehicles and machines for the State Forest Department for implementing programmes in various forest divisions undertaken from the State Fund;
- (v) construction of residential and official buildings for officers above the Forest Range Officer;
- (vi) leasing, hiring and purchase of land for afforestation purposes;
- (vii) purchase of furniture, office equipment, fixtures including air conditioners, and generator sets for residences and offices of the State Forest Department;
- (viii) mandatory afforestation as per the working plan in the forest in blanks created by commercial felling of trees for revenue generation undertaken under working plan prescription;
- (ix) undertaking forest and wildlife conservation and other activities undertaken under other schemes of the Government for the purpose of part financing the scheme for completing left over works or complementary works of such schemes;
- (x) establishment, expansion and up-gradation of zoo and wildlife safari;
- (xi) Providing financial support, either by way of grant or equity to existing or for setting up new forest corporations, boards, etc.

Explanation: The mixing of the monies received towards Net Present Value shall not be allowed with any other state schemes under implementation from any other budget either for capital or spill over works and the works undertaken under sub-rule 5(2) and sub-rule 5(3) shall be on standalone basis and there shall not be any duplication of permitted works under different components.

The Ministry has also clarified earlier through the decision taken in 5th meeting of its National CAMPA Advisory Council that the normal forest activity in the State should be undertaken from the State's own plan funds and there must be no attempt to shift the obligation in respect to such items of works to the CAMPA. The CAMPA funds must be treated as an additionally. This has been reiterated by the Ministry in various subsequent communications.

Past Performance

Status of Compensatory Afforestation

The Jharkhand State CAMPA was constituted in the year 2009 and the work in the state out of CAMPA fund was started from the year 2010-11. The details regarding year-wise plantation done under compensatory afforestation are as follows:

Sl. No.	Year of CA done	Block Plantation (ha)		Linear Plantation (km)	Gabion Plantation (Nos.)	Silvicultural operations (Condition Compliance)
		Non-Forest Land	Forest Land			
1	2	3	4	5	6	7
1	2010-11	---	---	49.000	---	---
2	2011-12	6.500	5,963.315	---	---	---
3	2012-13	912.060	3,725.090	---	---	---
4	2013-14	---	2,319.559	---	---	---
5	2014-15	134.330	2,870.540	6.000	36,000	---
6	2015-16	97.950	1,507.620	---	1,000	---
7	2016-17	183.868	2,988.407	184.780	31,254	---
8	2017-18	80.232	4,501.600	27.500	1,75,720	---
9	2018-19	125.750	1,604.360	11.677	500	---
10	2019-20	241.388	3,445.865	44.827	---	---
11	2020-21	---	2,734.493	53.233	30,400	70.00
12	2021-22	15.463	3,309.395	88.572	720	2,160.00
13	2022-23	404.235	2,798.598	72.048	18,080	200.00
Total		2,201.776	37,768.842	537.637	2,93,674	2,430.00

Total non-forest and forest land planted under CA/PCA: 39,970.618 ha

In this way, against a total target of about 60,496.353 ha. under compensatory afforestation to be done in Jharkhand, a total of 39,970.618 ha. has been taken up till 2022-23. In the Year 2023-24 plantation on 3607.740 ha, will be carried out against the advance work in Year 2022-23.

For the year 2023-24, it is proposed to carry out advance work of compensatory afforestation in 5,535.031 ha along with linear plantation in 106.259 km.

It is also proposed that the backlog of compensatory afforestation of 11382.964 ha. would be taken up next year 2024-2025.

PART –I

(a) Brief description of forests and forestry sector in the State

Jharkhand was carved out of the southern part of Bihar on 15 November 2000. Jharkhand shares its border with the states of Bihar to the north, and Chhattisgarh to the west, Orissa to the south, and West Bengal to the east. It has an area of 79,716 km². Lying between lat 22°00' and 24°37' N and long 83°15' and 87°01'E, the State is marked by the plateau of Chotanagpur, three major rivers-the Sone, the Koel and the Damodar. The name "Jharkhand" means "The Land of Forests". Jharkhand accounts for 3.4% of the total forest cover of the country and ranks 10th among all states. As per Champion and Seth (1968) Classification for Forests, the state has eight forest types viz. Moist Peninsular Low-Level Sal-3C/C2e (ii), Moist Peninsular Valley Sal 3C/C2e(ii), Dry Peninsular Sal-5B/C1c, Northern Dry Mixed Deciduous Forest-5B/C2, Dry Deciduous Scrub-5/DS1, Boswellia Forest 5/E2, Butea Forest 5/E5 and Dry Bamboo Brakes- 5/E9. These belong to two major forest type groups viz. Tropical Moist Deciduous-Group -3 and Tropical Dry Deciduous Forests-Group -5. The Forest Types of India: Revisited (2013) by ICFRE, Dehradun has revised them as Moist Peninsular Sal-III/IIID, Dry Mixed Deciduous Forests-V/VC, Dry Sal Bearing Forests-V/VD and Dry Grasslands- V/VE. The important sps. which constitute the forests are-Sal, Teak, Mahua, Asan, Dhaura, Gamhar, Kusum, Palas, Arjun, Chiraunji etc. The State of Jharkhand is a part of biodiversity rich regions of India because of its diverse physiographic and climatic conditions. The forests of the State form catchments of the three main rivers – Koel, Damodar and Subarnarekha. Various ethnic groups such as Munda, Ho, Oraon, Santhal, Paharia, Chero, Birjea, Asura and other have influenced their eco-systems by varying practices of agriculture and pasture. The richness of flora of Jharkhand (erstwhile Bihar) was described by H. H. Haines in his book titled The Botany of Bihar and Orissa (Haines 1921-1925) and the book A Forest Flora of Chotanagpur (Haines 1910). Working Plans of Forest Divisions are also valuable sources of information about flora of that area.

POPULATION

Population of the State is 32.98 million (Census, 2011) which constitutes 2.72% of the country's population. Of this, urban population is 7.93 million (24.5%), rural population 25.05 million (75.95%) and the tribal population constitutes 8.65 million (26.21%). The average population density is 414 persons per sq. km. The livestock population as per 18th livestock census is 18.10 million.

The Tribes of Jharkhand

Jharkhand has 32 tribal groups. These are the Asura, Baiga, Banjara, Bathudi, Bedia, Binjhia, Birhor, Birjia, Chero, Chick-Baraik, Gond, Gorait, Ho, Karmali, Kharia, Kharwar, Khond, Kisan, Kora, Korwa, Lohra, Mahli, Mal-Paharia, Munda, Oraon, Parhaiya, Santal, Sauria-Paharia, Savar, Bhumij, Kol and Kanwar. In some of the districts of Jharkhand, the tribal population forms a clear majority. These tribes have been classified into four groups depending upon their occupation. These are-

Sl.No.	Occupation	Tribes
1	Hunter Gatherer type	Birhor, Korwa, Hill Kharia
2	Settled agriculturists	Santhal, Munda, Oraon, Ho, Bhumij, etc.
3	Shifting Culture	Sauria Paharia
4	Simple artisans	Mahli, Lohra, Karmali, Chik Baraik

They are very rich in their culture. Their socio-religious life is also varied. Relation of tribal and forest is as old as civilization. They are complementary to each other. Tribal map almost overlaps the forest map.

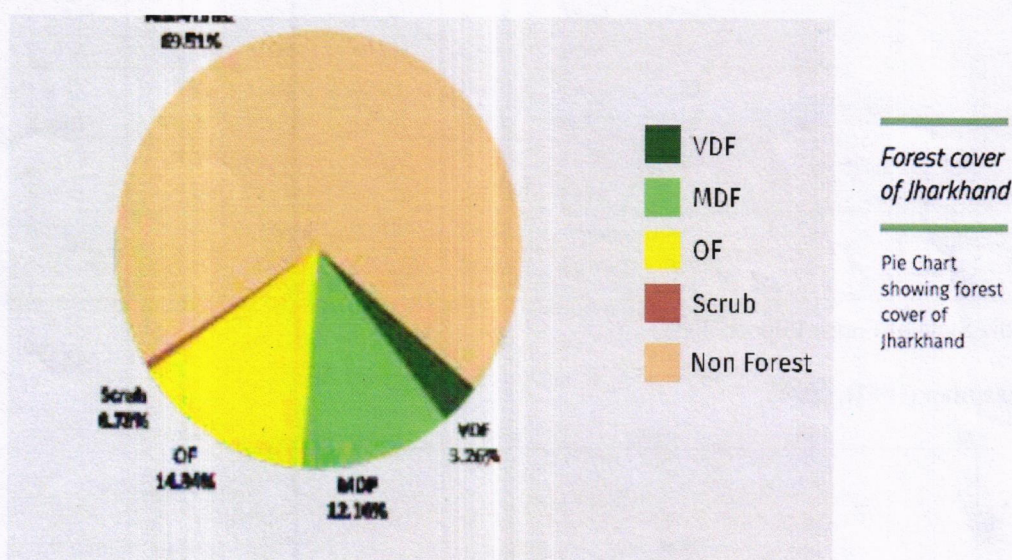
Soil

The soil of Jharkhand is of residual type having been formed by decomposition and erosion of the rocks. The soils of Ranchi, Gumla, Lohardaga, Santhal Pargana, Dhanbad and Hazaribagh districts are generally red while parts of Dhanbad, Bokaro and Singhum have mixed Red and Black soils. On the basis of composition and colours, the soil can be classified into five types. **Red soils** have been formed by the decomposition of metamorphic rocks and are found mostly in the Damodar valley and Raajmahal area. It is based mainly on Gondwana rocks with Sandstone and Shale. **Micaceous soil** (containing particles of mica) - found in Koderma, Jhumeritlaiya, Barkagaon and areas around the Mandar hill. **Sandy soil**-generally found in Hazaribagh and Dhanbad. **Black soils are** found in Raajmahal area. It originated due to erosion of Basalt rock. It is sticky when wet and hard when dry. Laterite **soil**- found in western part (Pat region) of Ranchi, Palamau and parts of Santhal Parganas and Singhum. Presence of Aluminium and Iron compounds gives the soil a deep red colour.

Area of different Forest Types

Out of total forest types around 53.37% of the forest cover comes under Dry Peninsular Sal Forest and Northern Dry Mixed Deciduous Forest constitute 41.21%. These two forest types dominate the area while Dry Bamboo Brakes followed by Dry Deciduous Scrub constitute about 3% & 3% of the forest cover respectively. About 2.66% forest cover is occupied by Moist Peninsular Low level Sal forests.

As per *India State of Forest Report 2021 (ISFR 2021)* published by Forest Survey of India, forest cover of Jharkhand is 23,721.14 sq. km which is 29.76% of the total geographical area of the State, recording an increase of 210 sq. km wrt 2019.



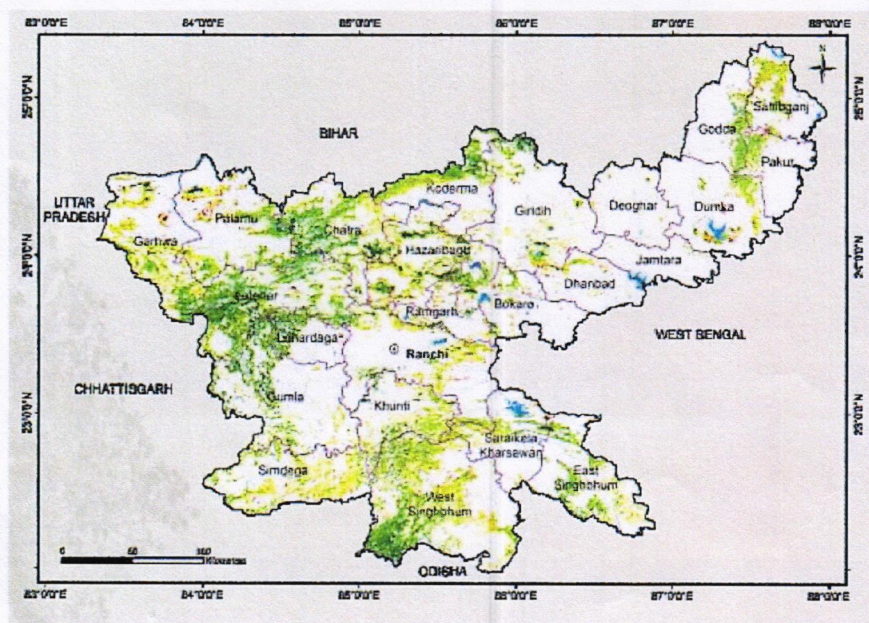
District-wise Distribution of Forest Cover

(Area in Sq. km)

District	Geo-graphical Area (GA)	2021 Assessment				% of GA	Change wrt 2019 assessment	Scrub
		Very Dense Forest	Mod. Dense Forest	Open Forest	Total			
Bokaro	2,883	60.99	231.94	283.07	576.00	19.98	2.45	37.95
Chatra	3,718	244.28	871.73	666.08	1,782.09	47.93	4.74	23.57
Deochar [†]	2,477	0.00	14.30	191.50	205.80	8.31	2.09	14.04
Dhanbad	2,040	0.00	44.00	174.18	218.18	10.70	4.67	16.05
Dumka [†]	3,761	0.00	259.40	318.23	577.63	15.36	0.32	44.55
East Singhbhum [†]	3,562	54.81	591.69	434.19	1,080.69	30.34	1.31	20.91
Garhwa [†]	4,093	125.14	415.60	890.98	1,431.72	34.98	40.13	44.32
Giridih	4,962	77.16	338.56	490.19	905.91	18.26	4.67	28.92
Godda [†]	2,266	12.81	271.88	138.66	423.35	18.68	0.00	14.27
Gumla [†]	5,360	304.69	585.81	552.65	1,443.15	26.92	0.89	8.25
Hazaribagh	3,555	230.11	348.54	784.54	1,363.19	38.35	10.42	15.99
Jamtara [†]	1,811	0.00	20.84	85.18	106.02	5.85	5.38	5.32
Khunti [†]	2,535	72.97	344.59	496.18	913.74	36.04	8.25	3.11
Koderma	2,540	80.80	494.43	447.82	1,023.05	40.28	-0.42	6.37
Latehar [†]	4,291	480.36	1,308.93	613.75	2,403.04	56.00	-3.30	9.30
Lohardaga [†]	1,502	174.03	218.40	111.99	504.42	33.58	-0.20	7.66
Pakur [†]	1,811	2.96	172.40	111.64	287.00	15.85	-0.13	20.06
Palamu [†]	4,393	62.82	512.73	640.18	1,215.73	27.67	14.95	84.23
Ramgarh	1,341	30.96	109.32	190.98	331.26	24.70	2.26	14.49
Ranchi [†]	5,097	62.89	363.91	741.98	1,168.78	22.93	4.29	27.98
Sahibganj [†]	2,063	17.74	258.73	297.48	573.95	27.82	1.60	47.53
Saraikela-Kharsawan [†]	2,657	22.03	213.84	338.73	574.60	21.63	0.56	21.87
Simdega [†]	3,774	21.97	343.54	877.89	1,243.40	32.95	2.48	20.28
West Singhbhum [†]	7,224	461.53	1,353.80	1,553.11	3,368.44	46.63	2.32	47.18
Grand Total	79,716	2,601.05	9,688.91	11,431.18	23,721.14	29.76	109.73	584.20

(Source: India State of Forest Report, 2021)

Forest Cover map (ISFR, 2021)



Forest Cover of Jharkhand

(in sq km)

Class	Area	% of GA
VDF	2,601.05	3.26
MDF	9,688.91	12.16
OF	11,431.18	14.34
Total	23,721.14	29.76
Scrub	584.20	0.73

Forest Cover Change Matrix for Jharkhand

(in sq km)

Class	2021 Assessment					Total ISFR 2019
	VDF	MDF	OF	Scrub	NF	
Very Dense Forest	2,586	13	3	0	1	2,603
Moderately Dense Forest	11	9,615	34	1	26	9,687
Open Forest	3	37	11,164	3	114	11,321
Scrub	0	1	61	567	59	688
Non Forest	1	23	169	13	55,211	55,417
Total ISFR 2021	2,601	9,689	11,431	584	55,411	79,716
Net Change	-2	2	110	-104	-6	

Attitude-wise Forest Cover in Jharkhand

(in sq km)

Attitude Zone (m)	Geographical Area	VDF	MDF	OF	Total	Scrub
0-500	61,272	1,041	6,726	8,385	16,152	552
500-1000	18,051	1,493	2,839	3,006	7,337	32
1000-2000	393	67	124	40	232	0
Total	79,716	2,601	9,689	11,431	23,721	584

Forest Types

LEGEND

- Very Dense Forest
- Moderately Dense Forest
- Open Forest
- Scrub
- Non-Forest
- Water-bodies
- International Boundary
- State Boundary
- District Boundary
- Capital

Forest Types

The Area under different forest types of Jharkhand as per the Champion & Seth classification (1968), according to the Atlas Forest Types of India 2020 are presented in the following Table.

Area statistics of the Forest Types found in Jharkhand

(in sq km)

Sl. No.	Forest Type	Area	% of the total mapped area*
1.	3C/C2e (ii) Moist peninsular low level sal	566.05	2.33
2.	3C/C2e (iii) Moist peninsular valley sal	64.47	0.27
3.	5B/C1c Dry peninsular sal forest	12,969.73	53.37
4.	5B/C2 Northern dry mixed deciduous forest	8,283.65	34.09
5.	5/DS1 Dry deciduous scrub	815.38	3.36
6.	5/E2 <i>Boswellia</i> forest	11.06	0.05
7.	5/E5 <i>Butea</i> forest	1.03	0.00
8.	5/E9 Dry bamboo brakes	131.84	0.54
	Sub Total	22,843.21	94.01
9.	TOF/Plantation	1,456.25	5.99
	Total (Forest Cover & Scrub)	24,299.46	100.00

*Forest Types have been assigned to the natural forest formations under forest cover and scrub categories shown in forest cover mapping (ISFR, 2019). The total mapped area, therefore, is sum of forest cover and scrub.

Forest Cover in different slope classes in Jharkhand (in sq km)

Slope (in degrees)	Geographical Area	VDF	MDF	OF	Total	Scrub
0-5	65,120	1,211	4,737	6,886	12,834	337
5-10	8,083	676	2,257	2,235	5,168	111
10-15	3,260	384	1,284	1,104	2,772	61
15-20	1,790	203	764	641	1,608	38
20-25	915	87	399	351	837	22
25-30	390	30	172	157	359	11
>30	158	10	76	57	143	4
Total	79,716	2,601	9,689	11,431	23,721	584

(based on SRTM, Digital Elevation Model, 30 m, 2016)

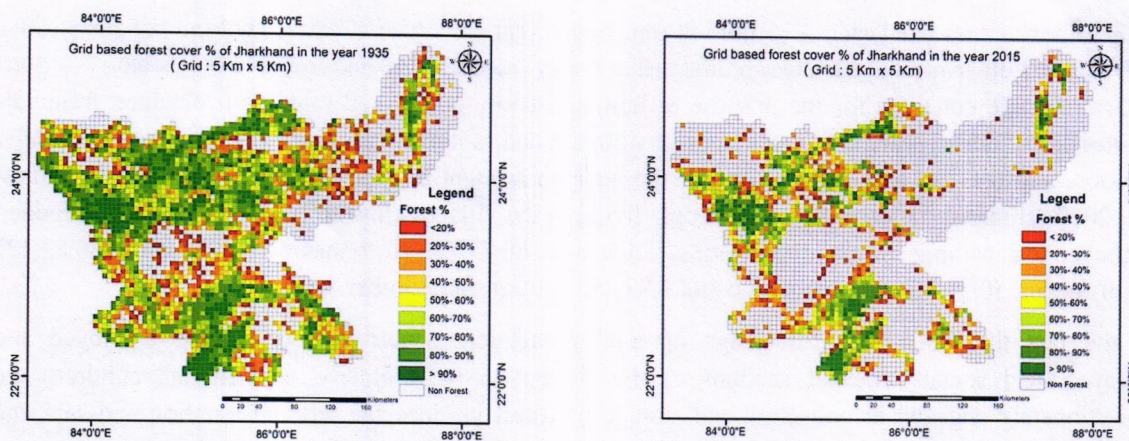
Forests in Jharkhand: certain issues and challenges

Forests are a vital component to sustain the life support system and serve the entire community and represent a community resource that meets the need of the millions of rural people especially the tribals. Article 48A of the Constitution of India requires that the State shall endeavor to protect and improve the environment and to safeguard the forest and wildlife of the country. Under Article 51A, it is the duty of every citizen to protect and improve the natural environment including forests, lakes, rivers and wildlife and to have compassion for living creatures.

Forest is the most valuable natural resource for production of food, fibre, fuel and many other essential goods and services required to meet human and animal needs. The conservation of forests has become a major challenge in the State due to ever-increasing pressures on forest resources. As a result of increasing population and consequent land requirement, the pressure on the available land resources has been increasing day by day leading to encroachment of forest land, which has become a major threat to the conservation of forest and its resources. In many places, it has led to fragmentation of forests, honeycombing of forest areas, loss of corridor for movement of wild animals etc. Degradation of forests, low regeneration, demarcation of forest boundaries, biotic pressures and increasing man-animal conflicts have now emerged as the most serious threats to the forest resources of the state. It has become difficult to manage these threats with the existing manpower, infrastructure and financial resources.

Forest degradation: Habitants of State have close association with forest, their activities directly or indirectly create pressure on forest leading to forest degradation. Forest degradation manifests itself in many ways. Vegetation, which may provide fuel and fodder, becomes increasingly scarce. Water courses dry up. Thorny weeds predominate in once-rich pastures. Footpath disappears into gullies. Soils become thin and stony. All of these manifestations have potentially severe impacts for forest users and for people who rely for their living on the products from a healthy landscape.

The grid-based analysis reveals forest Percent in Jharkhand for the year 1935 and 2015 were roughly 49% and 23% respectively. The result shows 2596 forest grid for the year 1935 out of which 1372 forest grids were found present in the year 2015. 1224 forest grid (equivalent to 26% forest area) was lost during the span of 80 years.



Further, according to Desertification and Land Degradation Atlas of India (Based on IRS AWiFS data of 2011-13 and 2003-05) published by Space Applications Centre, Indian Space Research Organization, Government of India - Jharkhand is the State with highest area under desertification/ land degradation in the country with respect to state Total Geographical Area, i.e., 68.98% for period 2011-13. The desertification/ land degradation area in Jharkhand has increased about 1.01% since 2003-05. The most significant process of desertification/ land degradation in the state is Water Erosion (50.64% in 2011-13 and 50.65% in 2003-05) followed by Vegetation Degradation (17.30% in 2011-13 and 16.40% in 2003-05). The deforestation within the state of Jharkhand which is at such alarming rate is concern and there is an urgent need to formulate appropriate conservation measures and strategies in deforested and degraded forest areas.

It is critically important to recognize that degradation of forests results in significant opportunity cost to the local population, and in turn to the State Government, in terms of the reduced flow of following hitherto unaccounted local ecological services to the forest-fringe communities that constitutes approx. 30% population of the State.

(i) **Low growing stock:** There is a serious problem of reducing growing stock in forests in the State. Growing stock is the sum (by number or volume) of all the trees growing in the forest or a specified part of it. The information on growing stock is important to understand the productive capacity of strategies for the sustainable use of forest resources. Growing stock is a traditional indicator of sustainability of the forest sector and is also used as a proxy for biodiversity.

According to India State of Forest Report, 2019 published by Forest Survey of India, total volume of growing stock as per 2019 report is 96.22 million cum in recorded forest area and 71.93 million cum under trees outside forests in Jharkhand. The growing stock of our forests has depleted due to increasing threats such as biotic pressure, land diversion and other factors. It leads to a vicious spiral as the threats increase on the remaining good forests.

Vegetation changes: The India State of Forest Report, 2019 published by Forest Survey of India reported that 3 sq. km of Moderately Dense Forest (MDF) changed to Open Forest (OF) category between the assessment years 2019 and 2017 whereas 1 sq. km of changed to Scrub category and another 27 sq. km to non-Forest category during the same period indicating that degradation pressure is significant in some areas of the State.

(ii) **Increasing dependence on forests for fuel wood, fodder and NTFPs:** In a survey of 10 Rainfed districts of Jharkhand, total fuel consumption was found to be 3.3 million tonnes per year (*'Forest Resource Dependence and Ecologically Assessment of Forest-fringes in Rainfed District of India: East Zone'*, Forest Research Institute, 2017). Almost 96% of the fuel wood of the said fuel wood demand is extracted from forest in Palamau district whereas around 60% is extracted from forest in East Singhbhum district. These numbers are highly significant. Similarly, out of total fodder consumption in forest districts of Jharkhand

(52.387 million tonnes per year), 41.6 million tonnes per year (79.36%) is extracted from the forest. Fuel wood water and other non-wood forest product (like honey, medicinal plant, aromatic plants etc.) – around 38, 975 tonnes are collected for the purpose of both self-consumption and sale. Cash obtained from sale constitutes one of the most important components of livelihood as it is available mostly during agriculturally-lean season, and thus reduces vulnerability of the poor on account of income shocks. The State of Forest Report, 2019 estimated the dependence of people living in the villages close to forest for fuel wood, fodder, small timber and bamboo in quantified terms to the tune of 73,72,340 tonnes of fuel wood, 5,54,82,427 tonnes of fodder, 50,535 tonnes of bamboo and 1,83,240 cum of small timber.

Given the fact that very high percentage of rural population is self-employed, under-employed and unemployed, and socially weaker sections of the population (e.g., elderly, women and children) are disproportionately engaged in collection and storage of forest produce for self-consumption and sale, the values of forest in terms of providing intangible social security benefit is immense. Mining activities are adversely affecting the flora and fauna and forest and wildlife.

Any degradation of forests, thus, inevitably leads to further stress on the social security apparatus of the State as people have to also spend longer periods in collection and transport of forest produce.

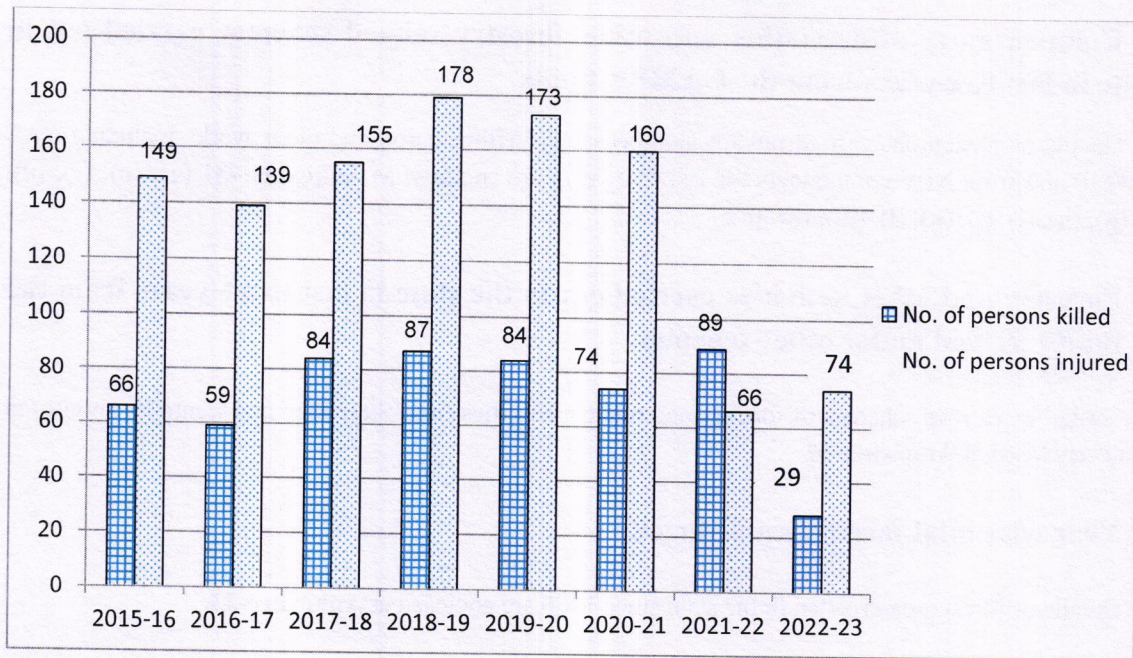
(iii) Poor regeneration of forests: Tropical Moist Deciduous and Tropical Dry Deciduous forests occupy largest area in Jharkhand. The SFR 2015 has brought out to the fore the highly critical issue of poor regeneration in both forest types at All-India level with regeneration being 'inadequate' in around 39% and 34% respectively in the above two forest types, and "absent" in 5% and 2.5% respectively. Urgent measures need to be undertaken for improving regeneration of forests failing which sustainability of forests and the flow of goods and local ecological services from the forest sector will reduce drastically.

(iv) Increasing water stress and drier areas due to climate change: Climate Change is estimated to significantly impact forests of Jharkhand and its capacity to produce NTFPs. Much of this change manifests in the forms of altered rainfall patterns and increased evapo-transpiration that is causing increasing water stress in the forest areas also rendering the vegetation drier and vulnerable to fire. The general turn of increasing dryness due to climate change has also increase vulnerability from forest fires. The lesser amount of rainfall and evapo-transportation is creating water deficit.

(v) Lack of infrastructural facilities for frontline staff: Due to lack of non-availability of staff in the field for a very long period the condition of infrastructural facilities deteriorated, and most forest buildings are in dilapidated condition. In the prevailing scenario of left-wing extremism in many parts of forests, safe habitation and safe movement of frontline staff has to be given high priority. It is envisaged to construct residential quarters for frontline staff and as far as possible they will be constructed in a cluster-manner for safety subject to other administrative requirements.

(vi) Increasing human-wildlife conflicts: Jharkhand is bestowed with rich fauna & flora because of variety of habitats. However, increasing population and faster developmental activities have put immense pressure on the flora and fauna. Effective conservation measures taken up have resulted in protection and increase of wildlife populations in certain pockets. Invading trend of human activities combined with spilling of wildlife populations out of their habitat has resulted in severe man wildlife conflicts.

Due to ever increasing man animal conflict apart from crop depredation, loss of human life is also reported. In the last Eight years, 482 persons have been killed, 1,028 injured and 36,787 incidences of crop and house damage occurred due to attack of elephants.



Human-wildlife conflict cases

In the year 2022-23, 89 persons have been killed and 66 have been injured till September, 2022.

To achieve co-existence of human and wildlife it is necessary to improve the wildlife habitat to contain the wildlife in the forest areas. It is also necessary to provide protective barriers not to allow the spilling of increased wildlife populations beyond the forest areas.

(b) Compensatory afforestation and other forestry related schemes carried out in the state in last five years from the CAMPA funds

Details of plantations carried out for Compensatory Afforestation and other works including CAT Plan, IWMP and from NPV components for last five years are enclosed as **Annexure -31 (a), (b), (c), (d), (e), (f), (g), (h), (i), (j), (k), (l), (m), (n), (o)**.

(c) Forestry and other activities carried out in the state in last three years from the fund received under other schemes

Detail of various schemes of forestry and related activities from State Plan and Centrally sponsored schemes is enclosed at **Annexure-32**.

(d) Year wise total forest area diverted

Details of forest area diverted in the state since 1980 are enclosed at **Annexure-33**.

(e) Year-wise total compensatory afforestation carried out in the state since 1980

Year-wise total compensatory afforestation carried out in the state since 1980 is enclosed at **Annexure-34**.

(f) Monitoring work done by the Monitoring and Evaluation wing of the State Forest Department

With a view to make monitoring and evaluation of plantations more effective, the Department of Forest, Environment & Climate Change, Govt. of Jharkhand vide notification no. 4480 dated 31.10.2018 has strengthened the Monitoring & Evaluation wing of the department to monitor and review the developmental works carried out by the forest divisions. This wing headed by Chief Conservator of Forest, Vigilance, is doing monitoring of CAMPA works in the State. In addition, inter-Division evaluations within a Forest Region are also being done. A summary of monitoring work done by the Monitoring & Evaluation wing of the department and by RCCF team is enclosed as **(Annexure-37a)** Further, the polygons of CAMPA works are regularly uploaded on e-green watch Portal maintained by Government of India. This system of 'e-Green Watch' facilitates the automation of the various processes involved in monitoring & evaluation of various projects being undertaken by the State CAMPA. The polygons of plantations and information of other works are regularly uploaded on this portal **Annexure-38**.

(g) Monitoring work done by the independent monitor (Third Party Monitoring)

A Request for Proposal was invited at national level by Jharkhand CAMPA to engage a Third-Party independent Agency for evaluation of CAMPA works. Initially, the evaluation of CAMPA works was proposed to be done from the commencement of State CAMPA schemes in one go. However, the bidders expressed their inability to complete this huge task in one year. After the approval of competent authority, it was therefore, decided to initially evaluate the CAMPA works for three years i.e., 2016-17, 2017-18, and 2018-19. After the evaluation of technical and financial bids, the work was awarded to the successful bidder PwC in the month of November, 2020. The selected agency has completed the work in the field and a summary of evaluation work done is enclosed as **Annexure-37b**. Process of monitoring for the year 2019-20, 2020-21 and 2021-22 has been initiated. Monitoring for these years 2019-20, 2020-21 and 2021-22 will be completed by 2023.

(h) Any other information relevant for preparing APO

Compensatory Afforestation Fund Act, 2016 and Compensatory Afforestation Fund Rules, 2018 and the notified Accounting Procedure therein provide that the State Fund and State Authority shall be created by each State and the State Fund shall be under the control of State Govt. and managed by the State Authority. The unspent balance of all the monies with the Ad-hoc CAMPA, realised and recoverable from user agencies etc. shall be credited to the State Fund. Further, ninety Percent of the monies collected by the State, which has been placed under the Ad-hoc Authority and the interest accrued therein, shall be transferred to the State Fund.

In view of the provisions of Compensatory Afforestation Fund Act, 2016, Compensatory Afforestation Fund Rules, 2018 and the Accounting Procedure therein, as notified by the Govt. of India, Ministry of Environment, Forest & Climate Change, the Jharkhand Compensatory Afforestation Fund Management Planning Authority (Jharkhand CAMPA), notified vide Ministry's notification no. 4855 (E) dated 14.09.2018 became effective w.e.f. 30.09.2018. The Government of Jharkhand has notified the State Compensatory Afforestation Fund vide its notification no. 04/ CAMPA-01/2018-696 dated 13.02.2019. Further, various Committees viz. the Governing Body, Steering Committee and Executive Committee under the Jharkhand CAMPA State Authority have been notified by the State Government vide respective notification no. 1532, 1533 and 1534 dated 25.04.2019.

MoEFCC vide its letter no.NA-15/1/2020-NA dated 15.07.2020 had directed that any unspent balance funds with interest as on 31.03.2020 with CAMPA bank accounts of the State should be deposited in the State Fund. Accordingly, a total amount of Rs. 170,42,46,038.40/- as available in the CAMPA bank accounts of the State DDOs, their sub-disbursers, and the State CAMPA bank account was duly deposited in the State Fund on 01.01.2021 and it was also informed to the MoEFCC.

h/ (i) Status of approval of APO 2022-23

Approval of Rs. 794.77 crore for the Jharkhand CAMPA APO 2022-23 was granted by the State level Steering Committee in its meeting dated 31.01.2022. It was then sent to Govt. of India, CAMPA National Authority for its approval. The Executive Committee of CAMPA National Authority has so far approved APO 2022-23 for Rs. 764.85 crore. Approval of 764.78 crore has been given by the state government and amount of Rs. 353.982 crore has been allotted.

h/(ii) Components of APO 2023-24

The current Annual Plan of Operations (APO) has been prepared in consultation with all the concerned officers starting from Divisional Forest Officers to Principal Chief Conservator of Forest & Head of Forest Force, Jharkhand. The APO has been prepared also in accordance with the guidelines prescribed by the Government of India, Ministry of Environment, Forests and Climate Change for utilization of amounts realized under Compensatory Afforestation (CA) and Net Present Value (NPV) etc. A sum of **Rs. 8,09,44.163 lakh (Rupees Eight Hundred Nine Crore Forty Four Lakh Sixteen Thousand Three hundred only)** is required to implement various activities envisaged in APO of 2023-24.

A summary of Part-wise outlay is given below:-

Part-wise APO 2023-24		Outlay (Rs. in lakh)
1	Compensatory Afforestation	
1.A	Completion and maintenance works under on-going schemes	5092.755
1.B	New works	8548.170
	Sub-total	13640.925
2	Catchment Area Treatment Plan	2997.879
3	Integrated Wildlife Management Plan	8517.112
4	Net Present Value (NPV)	
4.A	Completion and maintenance works under on-going schemes	8727.491
4.B	New works	43944.649
	Sub-total	52672.140
5	Interest	
5.A	Conservation and development of forest and wildlife	1150.000
5.B	Non-recurring and recurring expenditure of State Authority	150.000
5 C	Study to improve wildlife, protection of forests and Bio-diversity.	200.000
	Sub-total	1500.000
6	Others	1616.108
	Total	8,09,44.163

h/(iii) Geo tags, basis of estimation and implementation schedule for site specific works like compensatory afforestation, penal compensatory afforestation.

The location and basis of estimation for site specific works like compensatory afforestation, penal compensatory afforestation etc. has been provided in the APO. The implementation schedule is also mentioned in the APO document. The activities are geo-tagged and the detailed information of location details of Division-wise activities proposed in the APO is available with Jharkhand CAMPA. Some of the location details of the works are enclosed at **Annexure- 2a, 2b, 2c & 2d.**

h/(iv) Details of activities under ‘NPV’ and ‘Interest’ components

Details of activities covered under various Rule 5 (2) and 5(3) of CAF Rules, 2018 under ‘NPV’ component and Rule 6(a) and 6(b) under ‘Interest’ component is enclosed as **Annexure-40(a) & 40(b).**

h/(v) Minimum 80% of activities towards afforestation/forest development and wildlife habitat improvement

As per the decision taken in the 9th meeting of Executive Committee of the National Authority held on 12.01.2021 and in pursuance to the D.O. letter dated 22.10.2020 of Hon’ble Union Minister, MoEFCC addressed to Hon’ble Chief Ministers of all the States, it was emphasized that minimum 80% of APO activities (irrespective of CA, NPV and Interest) should be used for activities related to afforestation/forest development and wildlife habitat improvement and the remaining maximum 20% should be utilized for other permissible infrastructure works including strengthening of forest and wildlife-related infrastructure. Accordingly, the APO 2023-24 has been prepared and the details of activities with minimum 80% of the activities related to development of forest and wildlife is enclosed as **Annexure-42.**

h/(vi) Percentage of NPV Activities under 5(2) and 5(3) has been enclosed as annexure 41a

h/(vii) Percentage of NPV Activities under 6(a) and 6(b) has been enclosed as annexure 41b

h/(viii) Annual budget proposal of State Authority for 2023-24 in the Form-VI is enclosed at Annexure-43.

h/(ix) Consultation with Gram Sabha/Village Forest Management Committee

As per the Rule 5 of CAF Rules, 2018, the activities shall be taken up in consultation with Gram Sabha or Village Forest Management Committee, as the case may be, and shall be in consonance with the provisions of the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 and guidelines issued thereunder, wherever applicable.

h (x) Schedule of Rates and minimum wages and selection of plantation sites for NPV Work:

For all plantations and allied activities, the unit rate of activities in Schedule of Rate as circulated by APCCF, Development, Jharkhand for the State will be followed. Accordingly, unit rates for activities for various schemes, as issued from the office of APCCF, Development will be adhered to and incorporated in a new SOR for any work/activity as per the requirement during execution of this APO with technical sanction from the competent officer. Wages rate will be converted as per notification of minimum wages at the time of execution of the work. For construction activities, the Schedule of Rates as decided by the State Building and Roads Department will be followed. In the case of revision in the Schedule of Rates, plantations and allied activities as well as the construction of buildings, check dams etc., will be undertaken as per the new Schedule of Rates. In that case, the proposed targets in the APO will stand modified accordingly. The present minimum wage rate in the State is Rs. 326.85/- per day but it always increases and anticipating that that it will go up in 2023-24, the APO 2023-24 has been prepared on Rs 450/- Two types of Schedules of Rates has been provisioned for silviculture operation work, Bamboo plantation and Block plantation so that work will be done as per site requirement. In case of revision in the minimum wage rate, the proposed targets will stand modified proportionately. The CAF Rules, 2018 also provide that the interest accrued on monies in the State Fund may be used to offset the incremental cost of compensatory afforestation, penal compensatory afforestation, catchment area treatment plan, wild life management plan, NPV etc. at the increased wage rates. Selection of plantation sites are done through a committee under the chairmanship of respective RCCFs. The plantation work under NPV will be carried out at the sites proposed by RCCF's committee. Sites of other works, except already approved CA/PCA sites during diversion of forest land under FC Act, will also be selected by the same committee. Proposed Rate book is enclosed as **annexure- 45**.

Part-II

Activities to be undertaken for compensatory afforestation, additional compensatory afforestation, penal compensatory afforestation and for any other site-specific scheme may be used as per site-specific schemes submitted by the State along with the approved proposals for diversion of forest land under the Forest (Conservation) Act, 1980 (69 of 1980) referred to in clause (a) of section 6 of the Act:

(a) District/Forest Division wise details of new compensatory afforestation, CAT Plans Work, Wildlife Management Activities to be done as per the conditions imposed under forest clearance granted by the Central Government under the Forest (Conservation) Act, 1980:

The Abstract of the activities (1st year work) to be undertaken from the CA Component are as below:

Sl. No.	Activities	Unit	Physical
1	2	3	4
	Budget Sub-Head 02: Compensatory Afforestation Section 6 of CAF Act/CAF Rule		
1	Advance work (1st Year of operation) for Block Plantation Forest Land	ha.	5,253.259
2	Advance work (1st Year of operation) for Block Plantation Non Forest Land	ha.	275.119
3	Advance work (1st Year of operation) for Block Plantation Safety zone	ha.	6.653
4	Advance work (1st Year of operation) for Liner Plantation	k.m.	106.259
5	Eco-development of Village (Dalma wild life Sanctuary)	no.	1

Division & Component-wise details are given at **Annexure-1**.

Sl. No.	Activities	Unit	Physical
1	2	3	4
	Budget Sub-Head 07-Others Section 6 of CAF Act/CAF Rule		
	Stipulated Plantation and Other Conditional Compliance of GoI		
	A. Stipulated Plantation		
1	Advance Work (1st Year of operation) Linear Plantation (K.M)	k.m.	15.810
2	Advance Work (1st Year of operation) Linear Plantation (Gabion)	gabion	100
	B. Condition Compliance		
3	Advance Work (1st Year of operation) for Block Plantation Forest Land (Condition Compliance)	ha.	3.600
4	Advance Work (1st Year of operation) for Linear Plantation (K.M) (Condition Compliance)	k.m.	10.600
5	Advance Work (1st Year of operation) for Silvicultural Operation (Condition Compliance)	ha.	200.000
6	Soil & Moisture conservation (Condition Compliance)	ha.	206.517
7	Construction of Check Dam (Condition Compliance)	no.	25.000
8	Nature Park-cum-Environmental Education Centre (Condition Compliance)	---	---
9	Soil and Water Conservation Work (Condition Compliance)	k.m.	144.234
10	Soil and Water Conservation Work (Condition Compliance)	ha.	215.715
11	Rent of Vehicle (Condition Compliance)	no.	2
12	Construction of Forest Boundary Pillars (Condition Compliance)	no.	2,352.000
13	Protection of Flora & Fauna (Condition Compliance)	ha.	4,607.840

Division & Component-wise details are given at **Annexure-29**.

Sl. No.	Work details	Total no. of divisions	Name of Project	Total
1	2	3	4	5
Budget Sub-Head 03: Catchment Area Treatment Plan Section 6 of CAF Act/CAF Rule				
1	Catchment Area Treatment Plan activities	7	3	2,997.879
	Total			2,997.879
Budget Sub-Head 04: Integrated Wildlife Management Plan Section 6 of CAF Act/CAF Rule				
	Integrated Wildlife management plan activities	24	52	8,517.112
	Total			8,517.112

Details of Divisions to implement Catchment Area Treatment Plan and Integrated Wildlife Management Plan are given at **Annexure- 3 and 4** respectively.

(b) Location, estimated cost and implementation schedule of each activity proposed to be executed from State Fund to be provided district/division wise:

The Abstract of the activities to be undertaken is as below:

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)	Work Implementation Schedule
1	2	3	4	5	6
Budget Sub-Head 02: Compensatory Afforestation Section 6 of CAF Act/CAF Rule					
1	Advance work (1st Year of operation) for Block Plantation Forest Land	ha.	5,253.259	5,351.227	Oct, 2023- Mar, 2024
2	Advance work (1st Year of operation) for Block Plantation Non Forest Land	ha.	275.119	712.248	Oct, 2023- Mar, 2024
3	Advance work (1st Year of operation) for Block Plantation Safety zone	ha.	6.653	18.687	Oct, 2023- Mar, 2024
4	Advance work (1st Year of operation) for Liner Plantation	km.	106.259	1,466.008	Oct, 2023- Mar, 2024
5	Eco-development of Village (Dalma wild life Sanctuary)	no.	1	1,000.000	Oct, 2023- Mar, 2024
	Sub-Total			8,548.170	Oct, 2023- Mar, 2024

Division and component-wise details are given as **Annexure-1**. The works shall be carried out in accordance with the site-specific plans of respective cases.

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)	Work Implementation Schedule
1	2	3	4	5	6
6	Budget Sub-Head 07-Others Section 6 of CAF Act/CAF Rule				
	Stipulated Plantation and Other Conditional Compliance of GoI				
	A. Stipulated Plantation				
1	Advance Work (1st Year of operation) Linear Plantation (K.M)	k.m.	15.810	24.169	Oct, 2023- Mar, 2024
2	Advance Work (1st Year of operation) Linear Plantation (Gabion)	gabion	100	3.485	Oct, 2023- Mar, 2024
	B. Condition Compliance				
3	Advance Work (1st Year of operation) for Block Plantation Forest Land (Condition Compliance)	ha.	3.600	5.393	Oct, 2023- Mar, 2024
4	Advance Work (1st Year of operation) for Linear Plantation (K.M) (Condition Compliance)	k.m.	10.600	162.040	Oct, 2023- Mar, 2024
5	Advance Work (1st Year of operation) for Silvicultural Operation (Condition Compliance)	ha.	200.000	143.486	Oct, 2023- Mar, 2024
6	Soil & Moisture conservation (Condition Compliance)	ha.	206.517	201.834	Oct, 2023- Mar, 2024
7	Construction of Check Dam (Condition Compliance)	no.	25.000	306.100	Oct, 2023- Mar, 2024
8	Nature Park-cum-Environmental Education Centre (Condition Compliance)	---	---	387.472	Oct, 2023- Mar, 2024
9	Soil and Water Conservation Work (Condition Compliance)	k.m.	144.234	24.330	Oct, 2023- Mar, 2024
10	Soil and Water Conservation Work (Condition Compliance)	ha.	215.715	60.709	Oct, 2023- Mar, 2024
11	Rent of Vehicle (Condition Compliance)	no.	2	20.000	Oct, 2023- Mar, 2024
12	Construction of Forest Boundary Pillars (Condition Compliance)	no.	2,352.000	201.405	Oct, 2023- Mar, 2024
13	Protection of Flora & Fauna (Condition Compliance)	ha.	4,607.840	75.684	Oct, 2023- Mar, 2024
	Sub-Total			1,616.108	

Division and component-wise details are given as **Annexure-29**. The works shall be carried out in accordance with the site-specific plans of respective cases.

(c) Details of maintenance works in physical and financial terms, proposed to be undertaken in the current financial year in the case of compensatory afforestation work, CAT Plan Works, Wildlife Management Activities and other such activities undertaken in previous years which need maintenance for its survival and sustainability:

The physical targets of various activities proposed under this head are as follows:

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)	Work Implementation Schedule
1	2	3	4	5	6
1	Completion (II Year of operation) for Block Plantation Forest Land	ha.	3,576.083	1,708.215	July-Sep, 2023
	Completion (II Year of operation) for Block Plantation Non-Forest Land	ha.	31.657	18.968	
	Completion (II Year of operation) Linear Plantation (K.M)	km.	129.077	394.895	
	Completion (II Year of operation) Linear Plantation (Gabion)	gabion	1,000	7.265	
2	Maintenance I (III Year of operation) for Block Plantation Forest Land	ha.	2,798.598	596.995	Throughout FY 2023-24
	Maintenance I (III Year of operation) for Block Plantation Non-Forest Land	ha.	404.235	126.162	
	Maintenance I (III Year of operation) Linear Plantation (K.M)	km.	72.048	213.825	
	Maintenance I (III Year of operation) Linear Plantation (Gabion)	gabion	18,690	112.239	
3	Maintenance II (IV Year of operation) for Block Plantation Forest Land	ha.	3,309.395	606.033	Throughout FY 2022-23
	Maintenance II (IV Year of operation) for Block Plantation Non-Forest Land	ha.	15.463	6.983	
	Maintenance II (IV Year of operation) Linear Plantation (K.M)	km.	88.572	173.767	
	Maintenance II (IV Year of operation) Linear Plantation (Gabion)	gabion	720	4.226	
4	Maintenance III (V Year of operation) for Block Plantation Forest Land	ha.	2,734.493	496.438	Throughout FY 2022-23
	Maintenance III (V Year of operation) Linear Plantation (K.M)	km.	53.233	75.368	
	Maintenance III (V Year of operation) Linear Plantation (Gabion)	gabion	30,400	86.640	
5	Maintenance IV (VI Year of operation) for Block Plantation Forest Land	ha.	3,445.865	167.535	Throughout FY 2022-23
	Maintenance IV (VI Year of operation) for Block Plantation Non-Forest Land	ha.	241.388	18.068	
	Maintenance IV (VI Year of operation) Linear Plantation (K.M)	km.	44.827	20.562	
6	Maintenance V (VII Year of operation) for Block Plantation Forest Land	ha.	1,604.360	88.695	Throughout FY 2022-23
	Maintenance V (VII Year of operation) for Block Plantation Non-Forest Land	ha.	125.750	11.498	
	Maintenance V (VII Year of operation) Linear Plantation (K.M)	km.	11.677	4.603	
	Maintenance V (VII Year of operation) Linear Plantation (Gabion)	gabion	500	1.425	
	Completion (II Year of operation) Silviculture operation	ha.	200.000	22.710	July-Sep, 2022
	Maintenance I (III Year of operation) Silviculture operation	ha.	410.000	13.469	Throughout FY 2022-23
	Maintenance II (IV Year of operation) Silviculture operation	ha.	2,160.000	70.956	Throughout FY 2022-23
	Maintenance of Linear Plantation(Gabion) (6th Year work) (Previous Year due F.Y 2021-22)	gabion	1,73,666	45.217	Throughout FY 2022-23
Sub-Total				5,092.755	

Division & Component-wise details are given at **Annexure-2**.

Part-III

Activities to be undertaken from Net Present Value and Interest component referred in rule 5 and rule 6:

(a) District/Forest Division wise details of activities to be done in the State on specified activities referred to in rule 5 and 6:

The Abstract of the activities to be undertaken from the Net present Value (NPV) Component are as below:

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)	CAF ACT/ CAF Rule
1	2	3	4	5	6
4	Budget Sub-Head 05-Net Present Value of Forest Land. [under CAF ACT/CAF Rule 5(2),(3)]				CAF ACT/ CAF Rule 5(2)(3)
(a)	Ongoing works: Completion & Maintenance of old plantations: The physical and financial targets of various activities proposed under this head are as follows:				
	NPV : Completion & Maintenance Works [under CAF Rule 5(2)]				
1	Maintenance (II & III Year of operation) for Miscellaneous interventions using LiDAR Technology	ha.	540.000	193.783	5(2)g
2	Completion work (II year work) for Afforestation works in the Ganga basin (Forest land)	no.	2	327.000	5(2)b
3	Completion work (II year work) for RDF/Bamboo block plantations on (Non-forest land) falling in wildlife corridors	ha.	1469.500	640.355	5(2)j
4	Completion work (II year work) for SMC block plantations (Forest land)	ha.	1,850.000	622.988	5(2)b
5	Completion work (II year work) for RDF Block Plantation (Forest land)	ha.	1,850.000	729.975	5(2)b
6	Completion work (II year work) for MFP Host Tree Plantation block plantations (Forest Land)	ha.	2,050.000	2,002.205	5(2)b
7	Maintenance I (III Year of operation) for RDF Block Plantation (Forest land)	ha.	2,575.000	461.988	5(2)b
8	Completion work (II year work) for Natural Regeneration, Silviculture operation & SMC works	ha.	12,950.000	1,470.473	5(2)c
9	Maintenance I (III Year of operation) for Natural Regeneration, Silviculture operation & SMC works	ha.	9,040.000	296.964	5(2)c
10	Maintenance II (IV Year of operation) for Natural Regeneration, Silviculture operation & SMC works	ha.	6,022.000	197.823	5(2)c
11	Maintenance and Strengthening Work of Permanent & Hi-tech Nurseries	ha.	123.500	1,783.959	5(3)a
	Total			8727.491	
(b)	New Works: The physical and financial targets of various new activities area as follows:				CAF ACT/ CAF Rule 5(2)
	Proposal under [CAF Act/CAF Rule 5(2)]				
	CAF Rule 5(2)a				
(I)	Assisted natural regeneration	ha.	5,525.000	3,963.809	5(2)a
	Total		5,525.000	3,963.809	
	CAF Rule 5(2)b				
(II)	Afforestation works in the Ganga basin with CAMPA	no.	2	1,100.000	5(2)b
	Total			1,100.000	
(III)	NPV : Artificial Regeneration Advance Work (1st Year work)				
1	Advance work (1st Year work) for RDF/MFP block plantations (Forest Land)	ha.	4,100.000	3,792.224	5(2)b
2	Advance work for Bamboo Plantation (Forest Land)	ha.	4,200.000	4,054.375	
3	Advance work for Sisal Plantation (Forest Land)	ha.	100.000	158.367	
	Total		8,400.000	8,004.966	
	CAF Rule 5(2)c				
(IV)	NPV : Silvicultural operations				
1	Advance Work (1st Year works) Silviculture operation	ha.	5,525.000	3,963.809	5(2)c
	Total		5,525.000	3,963.809	

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)	CAF ACT/ CAF Rule
1	2	3	4	5	6
	CAF Rule 5(2)d				
(V)	NPV : Protection of Forests and Plantations activities				
1	Consolidation of Forest Boundary Pillar with digitization/DGPS of Forest boundary	no.	8,570	471.350	5(2)d
2	Integrated work for forest and wild life protection	no.	36	720.000	
	Total		8,606	1,191.350	
	CAF Rule 5(2)e				
(VI)	NPV : Pest and disease control in forest activities				
1	Pest and disease control in forest	no.	2	10.000	5(2)e
	Total			10.000	
	CAF Rule 5(2)f				
(VII)	NPV : Forest fire prevention and control operations activities				
1	Forest fire prevention and control operations	no.	36	481.550	5(2)f
	Total		36	481.550	
	CAF Rule 5(2)g				
(VIII)	NPV : Soil Moisture Conservation				
1	Construction of Check dam	no.	565	4756.000	5(2)g
2	Renovation of Traditional Water Sources	no.	615	492.000	
3	Treatment of some important Nala on the concept of Watershed and CAT	no.	31	775.000	
	Total		1,211	6023.000	
	CAF Rule 5(2)g				
(IX)	NPV : Miscellaneous interventions using LiDAR Technology				
1	Advance work (1st Year work) for Miscellaneous interventions using LiDAR Technology	no.	1 Div.	500.000	5(2)g
	Total			500.000	
	CAF Rule 5(2)h				
(X)	NPV : Voluntary relocation of villages from protected areas				
1	Voluntary relocation of villages from protected areas	no.	1	800.000	5(2)h
	Total			800.000	
	CAF Rule 5(2)i				
(XI)	NPV : Wildlife Habitat improvement and related activities				
1	Wildlife Habitat improvement Activities (Completion & Maintenance Works)	ha.	6,468.000	983.265	5(2)i
2	Wildlife Habitat improvement Activities (Advance Works)	ha.	5,098.000	5,894.488	
	Total			6,877.753	
	CAF Rule 5(2)j				
(XII)	NPV : Plantations on non-forest land falling in wildlife corridors				
1	Advance work (1st year work) for RDF/Bamboo block plantations on (Non-forest land) falling in wildlife corridors	ha.	2,300.000	1,848.542	5(2)j
	Total			1848.542	
	CAF Rule 5(2)k				
(XIII)	NPV : Continuing Scheme of Creation of Rescue Centre				
1	Continuing Scheme of Creation of Rescue Centre	no.	1	500.000	5(2)k
	Total		1	500.000	
	CAF Rule 5(2)l				
(XIV)	NPV: Supply of Forest Produce Saving devices				
1	Distribution of Solar Lamp	no.	3,500	140.000	5(2)l
	Total		3,500	140.000	

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)	CAF ACT/ CAF Rule
1	2	3	4	5	6
	CAF Act/CAF Rule 5(3)a				
	New Proposal under CAF Rule 5(3) Strengthening of the forest and wildlife in infrastructure under CAF Rule 5(3)				
(XV)	NPV : Establishment, up-gradation and maintenance of modern nurseries and other planting stock production facilities for production of quality planting materials;				
1	Establishment of Nurseries	no.	155	1550.000	5(3)a
2	Establishment of Hi-Tech Nurseries	no.	4	64.133	
3	Establishment of Sisal Nurseries	no.	1	17.669	
4	Establishment of Tissue culture Lab. for planting Stock	no.	1	49.000	
	Total			1680.802	
	CAF Rule 5(3)b				
(XVI)	NPV : Promoting conservation, sustainable use and documentation of biological diversity including preservation of habitats, conservation of land and folk varieties and cultivars, domesticated stocks and breeds of animals and microorganisms and chronicling of knowledge relating to biological diversity.				
1	Promoting conservation, sustainable use and documentation of biological diversity through Study on ethnobotany/ethnoforestry	no.	1	20.000	5(3)b
	Total			20.000	
	CAF Rule 5(3)c				
(XVII)	NPV : Purchase and maintenance of equipment or devices used for communication and information technology for the purpose of protection of forest and wildlife				
1	Purchase of Dragon Torch	no.	1,205	102.425	5(3)c
2	Maint. of Dragon Torch	no.	161	1.610	
3	Maint. of Old Solar Street Light	no.	20	2.000	
4	Purchase of Fire fighting equipment and related to man animal conflict	no.	46	230.000	
5	Const. of VHF Tower	no.	5	125.000	
	Total			461.035	
	CAF Rule 5(3)d				
(XVIII)	NPV : Up gradation and maintenance of forest roads and watch towers				
1	Forest Road Repair	k.m.	2,595.914	865.942	5(3)d
2	Maint. Of Old Watch Tower	no.	54	13.500	
3	Const. of Watch Tower	no.	26	195.000	
4	Const. of Check post	no.	3	30.000	
	Total			1,104.442	
	CAF Rule 5(3)e				
(XIX)	NPV : Construction of residential and Official Buildings in forests for frontline staffs				
1	Const. of R.O.F Quarter Cum Office/R.F.O. Office/R.F.O. Residence	no.	18	810.000	5(3)e
2	Const. of Forest Guard Quarter	no.	20	990.000	
3	Const. of Camp Office R.F.O/Inspection Hut	no.	10	156.000	
	Total			1,956.000	
	CAF Rule 5(3)g				
(XX)	NPV : Survey and mapping of forest areas for forest fire control, compensatory afforestation works. Soil and moisture conservation, catchment area treatment and wildlife management for preparing annual plans				
1	Survey and mapping of forest areas through LiDAR technology	no.	12	2,938.200	5(3)g
	Total			2,938.200	

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)	CAF ACT/ CAF Rule
1	2	3	4	5	6
	CAF Rule 5(3)h				
(XXI)	NPV : Monitoring & Evaluation				
1	Independent evaluation of works under CAMPA	no.	54	56.000	5(3)h
2	e-Green watch Portal- Training updating and uploading of information and strengthening of respective offices	no.	54	44.000	
	Total			100.000	
	CAF Rule 5(3)i				
(XXII)	NPV : Publicity-cum-awareness programmes.				
1	Awareness generation and Promoting voluntary activities.	no.	50	275.000	5(3)i
	Total			275.000	
	CAF Rule 5(3)k				
(XXIII)	NPV : Forest certification and food safety training				
1	Forest certification and food safety training	no.	3	4.392	5(3)k
	Total			4.392	
	Total of NPV New work			43944.648	
	Grand Total of NPV Work			52672.140	
5	Budget Sub-Head 06-Interest				
1	Activities to be undertaken for conservation and development of forest and wildlife	no.	54	1,150.000	
2	Activities to be undertaken for non-recurring and recurring expenditure of State Authority	no.	1	150.000	
3	Study to improve wildlife, protection of forests and Bio-diversity	no.		200.000	
	Total of Interest work			1,500.000	
	Grand Total			54172.139	

A short write up on each Activities undertaken in CAF Rule 5(2) and 5(3)
Under CAF Rule 5(2)

Assisted Natural Regeneration- CAF Rule {5(2) a}

Around 45.03% of the forest cover of Jharkhand comes under Dry Peninsular Sal Forest and Northern Dry Mixed Deciduous Forest constitute 41.21%. These two forest types dominate the area. Of the total forest cover of 23,611.411 sq.km. Forest cover of Jharkhand, 11,320.85 sq. km. is open forest. There is a lot of root stock present in this forest which needs operation to improve the crop density and canopy and regenerate the forest. Hence a total of 5525.000 Ha has been proposed in this APO to carry out Assisted Natural Regeneration. The main components of the scheme are 1. Soil and moisture conservation work 2. Coppicing of roots stock 3. Gap filling Plantation and stump dressing.

Component-wise and Division-wise details are given in **Annexure-5**.

Sl. No.	Work details	Total no. of divisions	Area (ha.)	Total
1	2	3	4	5
1	Assisted Natural Regeneration	41	5525.000	3963.809
	Total			3963.809

Afforestation works in the Ganga basin with CAMPA-- CAF Rule {5(2) b}

Director General, NMCG, GOI, New Delhi by his DO letter no AD-34019/1/20-21-NMCG-NMCG, DT 21.10.2021 and Chief Executive Officer, National Authority, CAMPA, MoEFFC, GoI by File no. NA-6/1/2020-NA DT 16.03.2023 has requested to take up afforestation work in the Ganga Basin with CAMPA Funds. Accordingly, afforestation work in forest land has been proposed under CAF Rule 5(2) b. This afforestation proposal is based on DPR titled as- "Forestry Interventions for Ganga in Jharkhand." **Annexure 34a & 34b.**

Component-wise and Division-wise details are given in **Annexure-6**.

Sl. No.	Work details	Total no. of divisions	Total
1	2	3	4
1	Afforestation works in the Ganga basin with CAMPA	2	1100.000
	Total		1100.000

Artificial Regeneration- CAF Rule {5(2) b}

The objective of the Natural Forest Management is to improve the overall stocking of the natural forest and at the same time to improve the productivity of the forests on a sustained yield basis by using appropriate silvicultural and management practices. Overall, four types of plantations will be taken up 8400.00 ha in forest land.

1. Advance work (1st year work) for RDF block plantations (Forest land): It will be carried out on degraded forests. 1000 saplings will be planted per hectare.

2. Advance work (1st year work) for MFP host tree plantations (Forest land): This is MFP based plantation. It will be done to create MFP based livelihood for people living around forests. Plantation of Arjun, Asan, Khair etc. will be undertaken under this scheme. It is only a plantation activity of host plants and not any activity related to value addition of MFP.

3. Advance work (1st year work) for Bamboo plantations (Forest land): It will be carried out on degraded forests. 1000 saplings will be planted per hectare.

4. Advance work (1st year work) for Sisal block plantations (Forest land): It will be carried out on degraded forests. 1000 saplings will be planted per hectare.

Component-wise and Division-wise details are given in **Annexure-7**.

Sl. No.	Work details	Total no. of divisions	Area (ha.)	Total
1	2	3	4	5
1	Advance work (1st Year work) for RDF/MFP block plantations (Forest Land)	46	4100.000	3792.224
2	Advance work for Bamboo Plantation (Forest Land)	46	4200.000	4054.375
3	Advance work for Sisal Plantation (Forest Land)	1	100.000	158.367
	Total		8400.000	8004.966

Silviculture operation -- CAF Rule {5(2) C}

Around 45.03% of the forest cover of Jharkhand comes under Dry Peninsular Sal Forest and Northern Dry Mixed Deciduous Forest constitute 41.21%. These two forest types dominate the area. Of the total forest cover of 23,611.411 sq.km. Forest cover of Jharkhand, 11,320.85 sq. km. is open forest. There is a lot of rootstocks present in this forest which needs operation to improve the crop density and canopy and regenerate the forest. Hence a total of 5525.000 Ha has been proposed to do silvicultural operation in this APO. The main components of the scheme are 1. Soil and moisture conservation work 2. Coppicing of roots stock 3. Gap filling Plantation and stump dressing.

Component-wise and Division-wise details are given in **Annexure-8**.

Sl. No.	Work details	Total no. of divisions	Area (ha.)	Total
1	2	3	4	5
1	Silviculture operation 1st Year work	41	5525.000	3963.809
	Total			3963.809

Protection of Forests and Plantations --CAF Rule {5(2) d}

The protection of forests is the primary responsibility of the Department. Consolidation of boundary /DGPS Survey of boundary is essential hence, proposal for 8570 boundary pillars is submitted.

At the same time regeneration of forest, protection of forest is essential also for achieving NDC target. Further it will be instrumental in improving ecosystem services. Hence involvement of local people and similar entity and patrolling of forests, hiring of vehicle are necessary for protection of forest and wildlife. Hence these activities are proposed in 36 divisions.

Component-wise and Division-wise details are given in **Annexure-9**.

Sl. No.	Work details	Total no. of divisions	Number	Total
1	2	3	4	5
1	Consolidation of Forest Boundary Pillar with digitization/DGPS of Forest boundary	22	8,570	471.350
2	Integrated work for forest and wild life protection	36	36	720.000
	Total			1,191.350

Pest and disease control in forest actives--CAF Rule {5(2) e}

There are certain patches of Sal Forest in Jharkhand which are infested with pest. Hence a study is proposed to carry out with the help of ICFRE/FRI so that control measures be adopted.

Component-wise and Division-wise details are given in **Annexure-10**.

Sl. No.	Work details	Total no. of divisions	Number	Total
1	2	3	4	5
1	Pest and disease control in forest	2	2	10.000
	Total			10.000

Forest fire prevention and control operations activities --CAF Rule {5(2) f}

Forest of Jharkhand is much vulnerable for surface fire. Almost the entire state needs fire protection work during the fire season. Hence provision has been made in 36 divisions.

Component-wise and Division-wise details are given in **Annexure-11**.

Sl. No.	Work details	Total no. of divisions	Number	Total
1	2	3	4	5
1	Forest fire prevention and control operations	36	36	481.550
	Total			481.550

Soil Moisture Conservation --CAF Rule {5(2) g}

Since Jharkhand has landscape with hilly terrain with low rainfall in large number of districts, it is proposed to create water harvesting structures to increase the moisture regime in the forest areas to increase the greenery which in turn will benefit flora and fauna. Two types of water harvesting structures are proposed – construction of check dams and improving /renovation of traditional water sources locally called as CHUAN. Apart from that one important Nala will be treated in each of the 31 territorial divisions.

Component-wise and Division-wise details are given in **Annexure-12**.

Sl. No.	Work details	Total no. of divisions	Number	Total
1	2	3	4	5
1	Construction of Check dam	41	565	4756.000
2	Renovation of Traditional Water Sources	41	615	492.000
3	Treatment of some important Nala on the concept of Watershed and CAT	31	31	775.000
	Total		1211	6023.000

Miscellaneous interventions using LiDAR Technology --CAF Rule {5(2) g}

The efficacy of implementation of catchment area treatment plan in one major ridge area inside a forest block of each State as per the Detailed Project Report (DPR) prepared by using LiDAR (Light Detection and Ranging) technology will boost soil and moisture conservation, fodder augmentation and improve the forest quality. As per the DPR sent by MoEF&CC, work has been initiated in Hazaribagh West Forest Division in 2021-22. In 2023-24 also Rs. 5.00 crore is proposed for execution of work in forest land as per DPR.

Component-wise and Division-wise details are given in **Annexure-13**.

Sl. No.	Work details	Total no. of divisions	Total
1	2	3	4
1	Miscellaneous interventions using LiDAR technology	1	500.000
	Total		500.000

Voluntary relocation of villages from protected areas --CAF Rule {5(2) h}

PCCF-Cum-WLW, Jharkhand by his letter no. 153 dated 28.01.2022 has sent proposal to NTCA for relocation of 7 villages- Polpal, Chopiya, Totaki, Navarnago, Kuzrum, Latu and Tawai from core area of Palamu Tiger Reserve. The amount will be spent in 7 no. of villages as per the estimate of NTCA.

Component-wise and Division-wise details are given in **Annexure-14**.

Sl. No.	Work details	Total no. of divisions	Total
1	2	3	4
1	Voluntary relocation of villages from protected areas	1	800.000
	Total		800.000

Wildlife habitat improvement and related works - CAF Rule {5(2) i}

The State is endowed with rich flora and fauna. It has one National Park and 11 Wildlife Sanctuaries besides one Elephant Reserve and one Tiger Reserve (PTR). Under this component following initiatives are proposed to be taken for conservation of biodiversity.

The main activities / interventions are proposed as follows:

- Wild life habitat improvement: It includes undertaking silvicultural operations to improve health of forests, weed eradication, grassland development, fire protection works and soil & moisture conservation works, plantation of fruit bearing trees. etc in Wildlife Sanctuaries, Elephant Reserve, Palamau Tiger Reserve and selected territorial forest divisions.
- It takes a lot of time to prepare APO with accurate site and other exact information. Hence an amount has been proposed to Survey and mapping of forest areas for forest fire control, compensatory afforestation works. Soil and moisture conservation, catchment area treatment and wildlife management for preparing annual plans.
- The need to protect wildlife corridors is increasingly gaining traction globally, as habitat fragmentation becomes one of the biggest challenges to biodiversity conservation. However, despite the immediate and growing threats of climate change and other anthropogenic pressures on natural

habitats, a wildlife corridor has yet to be formalized as a legal tool for ecological conservation in India or, indeed, elsewhere in the world. The difficulty stems from the very nature of a corridor, which may be completely different in function and form depending upon the species that is used to typify it.

- Habitat loss and fragmentation has been the single most prominent reason for the loss of biodiversity for the last hundred years. Fragmentation leads to decrease in size of habitats and increases isolation between patches. This eventually leads to isolation of populations, which increases their extinction risk via stochastic events. Development activities like roads, railways, industries, oil exploration, mining, settlements, agriculture and plantations often cut through the natural habitats. This leads to loss of habitat connectivity and isolation for populations, especially for long ranging species.
- The wildlife corridors, wild animal dispersal areas, conservation landscapes and strategic planning for long term conservation of the conservation/wilderness landscapes, especially long ranging large carnivores like tigers and elephants - flagship species, are extremely important components to be delved upon.

Component-wise and Division-wise details are given in **Annexure-15 (a) & (b)**.

Sl. No.	Work details	Total no. of divisions	Total
1	2	3	4
1	Wildlife Habitat Improvement Activities (Completion & Maintenance)	46	983.265
2	Wildlife Habitat Improvement Activities (Advance work)	46	5894.488
	Total		6877.753

Advance work (1st year work) for RDF block plantations/Bamboo plantation on non-forest land falling in wildlife corridors --CAF Rule {5(2) j}

Habitat and wildlife corridors of wildlife especially have become fragmented due to various reasons. In order to connect it (wildlife habitat) and make the wildlife corridor continuous, plantation on non-forest land is also necessary. Hence there is proposal of plantation on 2300 Ha of non-forest land in 46 forest divisions.

Component-wise and Division-wise details are given in **Annexure-16**.

Sl. No.	Work details	Total no. of divisions	Area (ha.)	Total
1	2	3	4	5
1	Advance work (1st year work) for RDF/bamboo block plantations on non-forest land falling in wildlife corridors	46	2300.00	1848.542
	Total			1848.542

Continuing Scheme of Creation of Rescue Centre --CAF Rule {5(2) k}

It includes the continuing scheme of construction of an Animal Rescue Centre being established at Ranchi. The rescue has approval from Central Zoo Authority by its letter no F.No.19-109/92-CZA (48) (Vol.III) (M) date 08.02.2007, 25.07.2008 for continuing Scheme. Additional proposal has been sent to CZA.

Component-wise and Division-wise details are given in **Annexure-17**.

Sl. No.	Work details	Total no. of divisions	Total
1	2	3	4
1	Continuing Scheme of Creation of Rescue Centre	1	500.000
	Total		500.000

Supply of Forest Produce Saving devices --CAF Rule {5(2) l}

People living around forests also protect them. In order to empower them one of the items will be solar lamp. People living around forests are very much dependent upon forest for their day-to-day activity. It creates pressure on forests. It will also reduce pressure on forest produce.

Component-wise and Division-wise details are given in **Annexure-18**.

Sl. No.	Work details	Total no. of divisions	Number (no.)	Total
1	2	3	4	5
1	Distribution of Solar Lamp	36	3500	140.000
	Total			140.000

Under CAF Rule 5(3)

Strengthening of the forest and wildlife in infrastructure under-- CAF Rule {5(3)}

Establishment, up-gradation and maintenance of modern nurseries and other planting stock production facilities for production of quality planting materials- CAF Rule {5(3) a}

As per National CAMPA, Ministry of Environment, Forest and Climate Change, Government of India File no NA-1/27/2022-NA dated 06.02.2023 & 06.03.2023 and decision taken in Jharkhand Steering committee on dated 03.05.2023 each block must have at least one nursery. Hence proposal contains nursery for each block of Jharkhand. Number of nursery will be decided as per site.

Component-wise and Division-wise details are given in **Annexure-19a & 19b.**

Sl. No.	Work details	Total no. of divisions	Number (no.)	Total
1	2	3	4	5
1	Establishment of Nurseries	46	155	1550.000
2	Establishment of Hi-Tech Nurseries	4	4	64.133
3	Establishment of Sisal Nurseries	1	1	17.669
4	Establishment of Tissue culture Lab. for planting Stock	1	1	49.000
	Total			1680.802

Promoting conservation, sustainable use and documentation of biological diversity including preservation of habitats, conservation of land and folk varieties and cultivars, domesticated stocks and breeds of animals and microorganisms and chronicling of knowledge relating to biological diversity- CAF Rule {5(3) b}

Component-wise and Division-wise details are given in **Annexure-20.**

Sl. No.	Work details	Total no. of divisions	Number (no.)	Total
1	2	3	4	5
1	Promoting conservation, sustainable use and documentation of biological diversity through Study on ethnobotany/ethnoforestry	1	1	20.000
	Total			20.000

Purchase and maintenance of equipment or devices used for communication and information technology for the purpose of protection of forest and wildlife-- CAF Rule {5(3) c}

Component-wise and Division-wise details are given in **Annexure-21.**

Sl. No.	Work details	Total no. of divisions	Number (no.)	Total
1	2	3	4	5
1	Purchase of Dragon Torch	36	1,205	102.425
2	Maint. of Dragon Torch	11	161	1.610
3	Maint. of Old Solar Street Light	1	20	2.000
4	Purchase of Fire fighting equipment and related to man animal conflict	46	46	230.000
5	Const. of VHF Tower	3	5	125.000
	Total			461.035

Up gradation and maintenance of forest roads and watch towers-- CAF rule {5(3)d}

Terrain of Jharkhand is very undulating. Hence maintenance of forest road is very essential for movement in inaccessible forests. Hence repairing of 2580.577 km forest road including construction of causeway and culvert is proposed.

Component-wise and Division-wise details are given in **Annexure-22**.

Sl. No.	Work details	Total no. of divisions	Number (No./km.)	Total
1	2	3		4
1	Forest Road Repair	28	2,580.577	865.942
2	Maint. Of Old Watch Tower	14	54	13.500
3	Const. of Watch Tower	25	26	195.000
4	Const. of Check post	3	3	30.000
	Total			1,104.442

Construction of residential and Official Buildings in forests for frontline staffs-- CAF Rule {5(3)e}

For frontline staffs new buildings are required so that they can have accommodation in their headquarters. A total of 48 new buildings are proposed for front line staff with the cost of Rs. 1956.000 lakh.

Const. of R.O.F Quarter Cum Office/R.F.O. Office/R.F.O. Residence -	18
Const. of Forest Guard Quarter -	20
Const. of Camp Office R.F.O./ Inspection hut -	10

Component-wise and Division-wise details are given in **Annexure -23**.

Sl. No.	Work details	Total no. of divisions	Number (no.)	Total
1	2	3		4
1	Const. of R.O.F Quarter Cum Office/R.F.O. Office/ R.F.O. Residence	18	18	810.000
2	Const. of Forest Guard Quarter	20	20	990.000
3	Const. of Camp Office R.F.O/Inspection Hut	10	10	156.000
	Total			1956.000

Survey and mapping of forest areas for forest fire control, compensatory afforestation works. Soil and moisture conservation, catchment area treatment and wildlife management for preparing annual plan and Similarly State Action Plan for Conservation of Corridors will be implemented. CAF Rule {5(3) g} (Rs. 2938.200lakh)

As per letter no. 872 dated 06.03.2023 of State Government survey by LiDAR technology has to be included in the APO. It has to be carried out in the forest area of Jharkhand. In first phase it will be carried in 3,84,076.96 ha forest area of 12 forest divisions falling under the geographical boundary of Bokaro and Dumka region. It will Rs. 2838.200 lakh. The basic of cost of calculation is Rs. 765.00 per ha. of MoEF&CC, Government of India vide letter Dated 25th June, 2020.

For 2023-24 it is proposed to carry out Survey through LiDAR technology in twelve forest divisions within the geographical boundary of Bokaro and Dumka Region. It will be done as per the provision of State government.

Component-wise and Division-wise details are given in **Annexure-24**.

Sl. No.	Work details	Total no. of divisions	Total
1	2	3	4
1	Survey and mapping of forest areas through LiDAR technology	12	2938.200
	Total		2938.200

Monitoring and Evaluation-- CAF Rule {5(3) h} (Rs. 100.000 lakh)

Under this component, independent evaluation of CAMPA works by a third-party agency will be undertaken for works done in 2019-20, 2020-21 and 2021-22. Further, the training/updating/ uploading of information under e-Green Watch Portal will also be taken up and it is proposed for casual engagement of manpower to strengthen the offices of Regional CCFs, Field Director, Palamu Tiger Reserve CCF, Wild Life and State CAMPA for this purpose.

Sl. No.	Work details	Total no. of divisions	Total
1	2	3	4
1	Independent evaluation of works under CAMPA	1	56.000
2	e-Green watch Portal – training, updating and uploading of information and strengthening of respective offices	47	44.000
	Total		100.000

Awareness Generation, promoting voluntary activities/study tours on conservation methods and best practices--CAF Rule {5(3) i}

All forest divisions would be involved in awareness generation programmes, especially school students of urban as well as rural areas, who would be given exposure to in-situ and ex-situ conservation areas. Publicity for carrying out compensatory afforestation and other activities under CAMPA and organizing programmes at State Hqrs. as well as in all the territorial Divisions are proposed to be undertaken. People of all walk of life- students, teacher, ethnobotanist, artists, environmentalist etc. will be involved in publicity for conservation of forests, soil water and wildlife for publicity. It is also proposed that around 200 schools consisting of around 2,000 children would participate in day-long visits to important wildlife, forest and biodiversity areas and these students become aware of the importance of forest, wildlife and biodiversity and their importance in day-to-day life and for critical maintenance of life-line ecosystem services as well as combating desertification and mitigating/adapting for climate change. As in previous years, study tours would be organized for students & youth to important forest areas to make them aware about the activities carried out for conservation of forest and wildlife; Professional/ Experts may also be engaged, if required, for this purpose.

Component-wise and Division-wise details are given in **Annexure-25**.

Sl. No.	Work details	Total no. of divisions	Total
1	2	3	4
1	Awareness Generation, Camps, Workshop, promoting voluntary activities/ study tours on conservation methods and best practices	50	275.000
	Total		275.000

Forest certification and food safety training--CAF Rule {5(3) k}

The work of forest certification in terms of sustainable forest management (SFM) is proposed to be carried out in six forest divisions (one in each Forest Region of the State) through accredited Certification Bodies.

Trainings in foods safety and food certification (FoSTaC training) shall be provided to representatives of Self Help Groups (SHGs)/ Micro- enterprises from various types of forest produce collected from forests in Jharkhand such as jungle honey, fruits, chironji (piyar) etc. Food safety training has been imparted of Hazaribagh, Simdega, Ranchi and Chaibasa.

Component-wise and Division-wise details are given in **Annexure-26**.

Sl. No.	Work details	Total no. of divisions	Total
1	2	3	4
1	Forest certification and food safety training	3	4.392
	Total		4.392

Proposal under CAF Rule 6

Utilization of interest accrued on deposits in State Fund (Rs. 1500.000 lakh) CAF Rule 6(a)

The interest accrued on monies in State Fund is proposed to be used to offset the incremental cost of compensatory afforestation, catchment area treatment plan, wildlife management plan, activities under NPV, and for disbursement of salaries etc. of members and staff, both regular and contractual of the State Authority.

Component-wise and Division-wise details are given in **Annexure-28**.

On interest transferred to deposits in State Fund (Rs. 150.000 lakh)- CAF Rule {(6) b (i-v)}

It will be spent towards non-recurring and recurring expenditure of the State Authority.

Others to Study to improve wildlife, protection of forests and Bio-diversity- (Rs. 200.000 lakh)- CAF Rule {(6) b vi}

For getting better inputs for wildlife management, fire protection and livelihood-based forestry, research /study is necessary.

Hence proposals to carry study on three aspects are submitted which will be carried out –

1. Restoration of Old elephant corridors and new elephant corridors to reduce Human -Elephant conflict in Jharkhand using GIS and other Techniques
2. Resource Availability and Linkages of Communities strategy for NTFPs in Jharkhand.
3. Study of forest floor bio-mass management by briquetting (Lohardaga model), Eradication of invasive species like Lantana camara etc and using it for charcoal making, then rehabilitating those areas with palatable indigenous grasses and bamboo species.
4. Identification and geo-location of plus trees (15 species) from different forest area of Jharkhand and collection of quality seeds. (3 years)
5. Study of the impact of work done by effective JFMCs in relation to Forest Protection, management and conservation vis-à-vis other areas where JFMC functioning is in effective.

Component-wise details are given in **Annexure-28**.

A	Conservation and development of forest and wildlife	Physical	Amount
(i)	To offset incremental cost of CA, CAT Plan, Integrated Wildlife Management Plan, NPV activities etc. at increased wage rates	LS	797.774
(ii)	Personnel services		
	Disbursement of salary, allowances and wages of members and staff, both regular and contractual, of State Authority	LS	350.226
	Sitting Fees and Allowances to non-official members	LS	2.000
	Sub-total (A)		1150.000
B	Non-recurring and recurring expenditure of State Authority		
(i)	Administrative Expenses		
	Office Expenses	LS	8.000
	Electricity and Power	LS	5.000
	Purchase of stationary items	LS	8.000
	Purchase of office furniture and equipments	LS	8.000
	Telephone/IT services and facilities	LS	2.000
	Works related to computer hardware/software	LS	5.000
	Hire, purchase and Maintenance of staff cars including POL	LS	25.000
	Maintenance works	LS	5.000
	Machine, equipments and tools used for communication and information technology for purposes of forest and wildlife	LS	8.000
	Rent, Rates and Taxes	LS	15.000
	Sub-total (B) (i)		89.000
(ii)	Other Expenses		
	Professional services	LS	15.000
	Contingencies and miscellaneous	LS	5.000
	Audit of CAMPA accounts	LS	21.000
	Hospitality expenses	LS	5.000
	Expenditure on travel for trainings and other relevant expenses	LS	5.000
	Publications	LS	10.000
	Sub-total (B) (ii)		61.000
	Sub-total (B)		150.000
C	Study to improve wildlife, protection of forests and Bio-diversity		
	Study to improve wildlife, protection of forests and Bio-diversity	LS	200.000
	Sub-total (C)		200.000
	TOTAL (A) + (B) +(C)		1500.000

(b) Location, estimated cost and implementation schedule of each activity proposed to be executed from State Fund to be provided district/division wise:

Under the provisions of rule 5 of CAF rules, 2018, the following activities are proposed for the Annual Plan of Operation of the year 2022-23 from the NPV:

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)	Work Implementation Schedule
1	2	3	4	5	
(b)	New Works: The physical and financial targets of various new activities area as follows:				
	Proposal under [CAF Rule 5(2)]				
	CAF Rule 5(2)a				
(I)	Assisted natural regeneration	ha.	5,525.000	3,963.809	Oct, 2023-Mar, 2024
	Total		5,525.000	3,963.809	
	CAF Rule 5(2)b				
(II)	Afforestation works in the Ganga basin with CAMPA on forest land	no.	2	1,100.000	Oct, 2023-Mar, 2024
	Total			1,100.000	
(III)	NPV : Artificial Regeneration Advance Work (1st Year work)				
1	Advance work (1st Year work) for RDF/MFP block plantations (Forest Land)	ha.	4,100.000	3,792.224	Oct, 2023-Mar, 2024
2	Advance work for Bamboo Plantation (Forest Land)	ha.	4,200.000	4,054.375	Oct, 2023-Mar, 2024
3	Advance work for Sisal Plantation (Forest Land)	ha.	100.000	158.367	Oct, 2023-Mar, 2024
	Total		8,400.000	8,004.966	
	CAF Rule 5(2)c				
(IV)	NPV : Silvicultural operations				
1	Advance Work (1st Year works) Silviculture operation	ha.	5,525.000	3,963.809	Oct, 2023-Mar, 2024
	Total		5,525.000	3,963.809	
	CAF Rule 5(2)d				
(V)	NPV : Protection of Forests and Plantations activities				
1	Consolidation of Forest Boundary Pillar with digitization/DGPS of Forest boundary	no.	8,570	471.350	Oct, 2023-Mar, 2024
2	Integrated work for forest and wild life protection	no.	36	720.000	Throughout FY 2023-24
	Total		8,606	1,191.350	
	CAF Rule 5(2)e				
(VI)	NPV : Pest and disease control in forest activities				
1	Pest and disease control in forest	no.	2	10.000	Throughout FY 2023-24
	Total			10.000	
	CAF Rule 5(2)f				
(VII)	NPV : Forest fire prevention and control operations activities				
1	Forest fire prevention and control operations	no.	36	481.550	Throughout FY 2023-24
	Total		36	481.550	
	CAF Rule 5(2)g				
(VIII)	NPV : Soil Moisture Conservation				
1	Construction of Check dam	no.	565	4756.000	Oct, 2023-Mar, 2024
2	Renovation of Traditional Water Sources	no.	615	492.000	Oct, 2023-Mar, 2024
3	Treatment of some important Nala on the concept of Watershed and CAT	no.	31	775.000	Oct, 2023-Mar, 2024
	Total		1211	6023.000	
	CAF Rule 5(2)g				
(IX)	NPV : Miscellaneous interventions using LiDAR Technology				
1	Advance work (1st Year work) for Miscellaneous interventions using LiDAR Technology	no.	1 Div.	500.000	Oct, 2023-Mar, 2024
	Total			500.000	
	CAF Rule 5(2)h				
(X)	NPV : Voluntary relocation of villages from protected areas				
1	Voluntary relocation of villages from protected areas	no.	1	800.000	Oct, 2023-Mar, 2024
	Total			800.000	

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)	Work Implementation Schedule
1	2	3	4	5	
	CAF Rule 5(2)i				
(XI)	NPV : Wildlife Habitat improvement and related activities				
1	Wildlife Habitat improvement Activities (Completion & Maintenance Works)	ha.	6,468.000	983.265	Throughout FY 2023-24
2	Wildlife Habitat improvement Activities (Advance Works)	ha.	5,098.000	5,894.488	Throughout FY 2023-24
	Total			6,877.753	
	CAF Rule 5(2)j				
(XII)	NPV : Plantations on non-forest land falling in wildlife corridors				
1	Advance work (1st year work) for RDF/bamboo block plantations on non-forest land falling in wildlife corridors	ha.	2,300.000	1,848.542	Throughout FY 2023-24
	Total			1848.542	
	CAF Rule 5(2)k				
(XIII)	NPV : Continuing Scheme of Creation of Rescue Centre				
1	Continuing Scheme of Creation of Rescue Centre	no.	1	500.000	Throughout FY 2023-24
	Total		1	500.000	
	CAF Rule 5(2)l				
(XIV)	NPV: Supply of Forest Produce Saving devices				
1	Distribution of Solar Lamp	no.	3,500	140.000	Throughout FY 2023-24
	Total		3,500	140.000	
	CAF Rule 5(3)a				
	New Proposal under CAF Rule 5(3) Strengthening of the forest and wildlife in infrastructure under CAF Rule 5(3)				
(XV)	NPV : Establishment, up-gradation and maintenance of modern nurseries and other planting stock production facilities for production of quality planting materials;				
1	Establishment of Nurseries	no.	155	1550.000	Throughout FY 2023-24
2	Establishment of Hi-Tech Nurseries	no.	4	64.133	Throughout FY 2023-24
3	Establishment of Sisal Nurseries	no.	1	17.669	Throughout FY 2023-24
4	Establishment of Tissue culture Lab. for planting Stock	no.	1	49.000	Throughout FY 2023-24
	Total			1680.802	
	CAF Rule 5(3)b				
(XVI)	NPV : Promoting conservation, sustainable use and documentation of biological diversity including preservation of habitats, conservation of land and folk varieties and cultivars, domesticated stocks and breeds of animals and microorganisms and chronicling of knowledge relating to biological diversity.				
1	Promoting conservation, sustainable use and documentation of biological diversity through Study on ethnobotany/ethnobotany/ethnobotany/ethnobotany.	no.	1	20.000	Throughout FY 2023-24
	Total			20.000	
	CAF Rule 5(3)c				
(XVII)	NPV : Purchase and maintenance of equipment or devices used for communication and information technology for the purpose of protection of forest and wildlife				
1	Purchase of Dragon Torch	no.	1,205	102.425	Throughout FY 2023-24
2	Maint. of Dragon Torch	no.	161	1.610	Throughout FY 2023-24
3	Maint. of Old Solar Street Light	no.	20	2.000	Throughout FY 2023-24
4	Purchase of Fire fighting equipment and related to man animal conflict	no.	46	230.000	Throughout FY 2023-24
5	Const. of VHF Tower	no.	5	125.000	Throughout FY 2023-24
	Total			461.035	
	CAF Rule 5(3)d				
(XVIII)	NPV : Up gradation and maintenance of forest roads and watch towers				
1	Forest Road Repair	k.m.	2,595.914	865.942	Throughout FY 2023-24
2	Maint. Of Old Watch Tower	no.	54	13.500	Throughout

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)	Work Implementation Schedule
1	2	3	4	5	
					FY 2023-24
3	Const. of Watch Tower	no.	26	195.000	Throughout FY 2023-24
4	Const. of Check post	no.	3	30.000	Throughout FY 2023-24
	Total			1,104.442	
	CAF Rule 5(3)e				
(XIX)	NPV : Construction of residential and Official Buildings in forests for frontline staffs				
1	Const. of R.O.F Quarter Cum Office/R.F.O. Office/R.F.O. Residence	no.	18	810.000	Throughout FY 2023-24
2	Const. of Forest Guard Quarter	no.	20	990.000	Throughout FY 2023-24
3	Const. of Camp Office R.F.O/Inspection Hut	no.	10	156.000	Throughout FY 2023-24
	Total			1,956.000	
	CAF Rule 5(3)g				
	NPV : Survey and mapping of forest areas for forest fire control, compensatory afforestation works. Soil and moisture conservation, catchment area treatment and wildlife management for preparing annual plans				
1	Survey and mapping of forest areas through LiDAR technology	no.	12	2,938.200	Throughout FY 2023-24
	Total			2,938.200	
	CAF Rule 5(3)h				
(XX)	NPV : Monitoring & Evaluation				
1	Independent evaluation of works under CAMPA	no.	54	56.000	Throughout FY 2023-24
2	e-Green watch Portal- Training updating and uploading of information and strengthening of respective offices	no.	54	44.000	Throughout FY 2023-24
	Total			100.000	
	CAF Rule 5(3)i				
(XXI)	NPV : Publicity-cum-awareness programmes.				
1	Awareness Generation, Camps, Workshop, promoting voluntary activities/ study tours on conservation methods and best practices	no.	50	275.000	Throughout FY 2023-24
	Total			275.000	
	CAF Rule 5(3)k				
(XXII)	NPV : Forest certification and food safety training				
1	Forest certification and food safety training	no.	3	4.392	Throughout FY 2023-24
	Total			4.392	
	Total of NPV New work			43944.648	
	Grand Total of NPV Work			52672.140	
5	Budget Sub-Head 06-Interest				
1	Activities to be undertaken for conservation and development of forest and wildlife	no.	54	1,150.000	Throughout FY 2023-24
2	Activities to be undertaken for non-recurring and recurring expenditure of State Authority	no.	1	150.000	Throughout FY 2023-24
3	Study to improve wildlife, protection of forests and Bio-diversity	no.		200.000	Throughout FY 2023-24
	Total of Interest work			1,500.000	
6	Budget Sub-Head 07-Others				
	Stipulated Plantation and Other Conditional Compliance of GoI				
	A. Stipulated Plantation				
1	Advance Work (1st Year of operation) Linear Plantation (K.M)	k.m.	15.810	24.169	Oct, 2023-Mar, 2024
2	Advance Work (1st Year of operation) Linear Plantation (Gabion)	gabion	100	3.485	Oct, 2023-Mar, 2024
	B. Condition Compliance				
3	Advance Work (1st Year of operation) for Block Plantation Forest Land (Condition Compliance)	ha.	3.600	5.393	Oct, 2023-Mar, 2024
4	Advance Work (1st Year of operation) for Linear Plantation (K.M) (Condition Compliance)	k.m.	10.600	162.040	Oct, 2023-Mar, 2024
5	Advance Work (1st Year of operation) for Silvicultural Operation (Condition Compliance)	ha.	200.000	143.486	Oct, 2023-Mar, 2024
6	Soil & Moisture conservation (Condition Compliance)	ha.	206.517	201.834	Throughout FY 2023-24
7	Construction of Check Dam (Condition Compliance)	no.	25.000	306.100	Throughout

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)	Work Implementation Schedule
1	2	3	4	5	
					FY 2023-24
8	Nature Park-cum-Environmental Education Centre (Condition Compliance)	---	---	387.472	Throughout FY 2023-24
9	Soil and Water Conservation Work (Condition Compliance)	k.m.	144.234	24.330	Throughout FY 2023-24
10	Soil and Water Conservation Work (Condition Compliance)	ha.	215.715	60.709	Throughout FY 2023-24
11	Rent of Vehicle (Condition Compliance)	no.	2	20.000	Throughout FY 2023-24
12	Construction of Forest Boundary Pillars (Condition Compliance)	no.	2,352.000	201.405	Throughout FY 2023-24
13	Protection of Flora & Fauna (Condition Compliance)	ha.	4,607.840	75.684	Throughout FY 2023-24
	Sub-Total			1,616.108	
	Total of Others work			1,616.108	
	Grand Total			8,09,44.163	

The Division-wise and component-wise details of the above proposed activities are annexed as **Annexure-5 to 27**.

- (c) **Details of maintenance works in physical and financial terms, proposed to be undertaken in the state on specified activities referred to in rule 5 and rule 6 undertaken in previous years which needs maintenance for its survival and sustainability:**

The details of maintenance work under Rule 5 and 6 are as below:

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)	Work Implementation Schedule
1	2	3	4	5	6
4	Budget Sub-Head 05-Net Present Value of Forest Land. [under CAF Rule 5(2),(3)]				
(a)	Ongoing works: Completion & Maintenance of old plantations: The physical and financial targets of various activities proposed under this head are as follows:				
	NPV : Completion & Maintenance Works [under CAF Rule 5(2)]				
1	Maintenance (II & III Year of operation) for Miscellaneous interventions using LiDAR Technology	ha.	540.000	193.783	Throughout FY 2022-23
2	Completion work (II year work) for Afforestation works in the Ganga basin (Forest land)	no.	2	327.000	Throughout FY 2022-23
3	Completion work (II year work) for RDF/Bamboo block plantations on (Non-forest land) falling in wildlife corridors	ha.	1469.500	640.355	Throughout FY 2022-23
4	Completion work (II year work) for SMC block plantations (Forest land)	ha.	1,850.000	622.988	Throughout FY 2022-23
5	Completion work (II year work) for RDF Block Plantation (Forest land)	ha.	1,850.000	729.975	Throughout FY 2022-23
6	Completion work (II year work) for MFP Host Tree Plantation block plantations (Forest Land)	ha.	2,050.000	2,002.205	Throughout FY 2022-23
7	Maintenance I (III Year of operation) for RDF Block Plantation (Forest land)	ha.	2,575.000	461.988	Throughout FY 2022-23
8	Completion work (II year work) for Natural Regeneration, Silviculture operation & SMC works	ha.	12,950.000	1,470.473	Throughout FY 2022-23
9	Maintenance I (III Year of operation) for Natural Regeneration, Silviculture operation & SMC works	ha.	9,040.000	296.964	Throughout FY 2022-23
10	Maintenance II (IV Year of operation) for Natural Regeneration, Silviculture operation & SMC works	ha.	6,022.000	197.823	Throughout FY 2022-23
11	Maintenance and Strengthening Work of Permanent & Hi-tech Nurseries	ha.	123.500	1,783.959	Throughout FY 2022-23
	Total			8727.491	

The Division-wise and component-wise details of the proposed activities are enclosed as **Annexure-27**.

Part-IV

Measurable output of all physical activities and targets of each permissible activity along with the period required for achieving the measurable output:

(a) Physical and financial target of each activity to be undertaken in measurable quantity along with the estimated cost of such activities in tabular form including details provided in part II and part III:

Budget Sub-Head 02: Compensatory Afforestation

(a) On-going works (Completion & Maintenance of old plantations): The physical and financial targets of various activities proposed under this head

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)
1	2	3	4	5
1	Budget Sub-Head 02: Compensatory Afforestation Section 6 of CAF Act			
(a)	On-going works (Completion & Maintenance of old plantations): The physical and financial targets of various activities proposed under this head			
1	Completion (II Year of operation) for Block Plantation Forest Land	ha.	3,576.083	1,708.215
	Completion (II Year of operation) for Block Plantation Non-Forest Land	ha.	31.657	18.968
	Completion (II Year of operation) Linear Plantation (K.M)	k.m.	129.077	394.895
	Completion (II Year of operation) Linear Plantation (Gabion)	gabion	1,000	7.265
2	Maintenance I (III Year of operation) for Block Plantation Forest Land	ha.	2,798.598	596.995
	Maintenance I (III Year of operation) for Block Plantation Non-Forest Land	ha.	404.235	126.162
	Maintenance I (III Year of operation) Linear Plantation (K.M)	k.m.	72.048	213.825
	Maintenance I (III Year of operation) Linear Plantation (Gabion)	gabion	18,690	112.239
3	Maintenance II (IV Year of operation) for Block Plantation Forest Land	ha.	3,309.395	606.033
	Maintenance II (IV Year of operation) for Block Plantation Non-Forest Land	ha.	15.463	6.983
	Maintenance II (IV Year of operation) Linear Plantation (K.M)	k.m.	88.572	173.767
	Maintenance II (IV Year of operation) Linear Plantation (Gabion)	gabion	720	4.226
4	Maintenance III (V Year of operation) for Block Plantation Forest Land	ha.	2,734.493	496.438
	Maintenance III (V Year of operation) Linear Plantation (K.M)	k.m.	53.233	75.368
	Maintenance III (V Year of operation) Linear Plantation (Gabion)	gabion	30,400	86.640
5	Maintenance IV (VI Year of operation) for Block Plantation Forest Land	ha.	3,445.865	167.535
	Maintenance IV (VI Year of operation) for Block Plantation Non-Forest Land	ha.	241.388	18.068
	Maintenance IV (VI Year of operation) Linear Plantation (K.M)	k.m.	44.827	20.562
6	Maintenance V (VII Year of operation) for Block Plantation Forest Land	ha.	1,604.360	88.695
	Maintenance V (VII Year of operation) for Block Plantation Non-Forest Land	ha.	125.750	11.498
	Maintenance V (VII Year of operation) Linear Plantation (K.M)	k.m.	11.677	4.603
	Maintenance V (VII Year of operation) Linear Plantation (Gabion)	gabion	500	1.425
7	Completion (II Year of operation) Silviculture operation	ha.	200.000	22.710
	Maintenance I (III Year of operation) Silviculture operation	ha.	410.000	13.469
	Maintenance II (IV Year of operation) Silviculture operation	ha.	2,160.000	70.956
	Maintenance of Linear Plantation(Gabion) (6th Year work) (Previous Year due F.Y 2021-22)	gabion	1,73,666	45.217
	Sub-Total			5,092.755

(b) Measurable output of all physical activities to be undertaken along with the period required for achieving the measurable output:

Sl. No.	Activities	Measurable output	Period required for achieving measurable output
1	2	3	4
1	Completion (II Year of operation) for Block Plantation Forest Land	Establishment of green cover in 3,576.083 ha.	In Next 6 Years
	Completion (II Year of operation) for Block Plantation Non-Forest Land	Establishment of green cover in 31.657 ha.	In Next 6 Years
	Completion (II Year of operation) Linear Plantation (K.M)	Establishment of green cover in 129.077 km	In Next 6 Years
	Completion (II Year of operation) Linear Plantation (Gabion)	Establishment of green cover in 1,000 no.	In Next 6 Years
	Completion (II Year of operation) Silviculture operation	Establishment of green cover in 200.000 ha.	In Next 3 Years
2	Maintenance I (III Year of operation) for Block Plantation Forest Land	Establishment of green cover in 2,798.598 ha.	In Next 5 Years
	Maintenance I (III Year of operation) for Block Plantation Non-Forest Land	Establishment of green cover in 404.235 ha.	In Next 5 Years
	Maintenance I (III Year of operation) Linear Plantation (K.M)	Establishment of green cover in 72.048 km	In Next 5 Years
	Maintenance I (III Year of operation) Linear Plantation (Gabion)	Establishment of green cover in 18,690 no.	In Next 5 Years
	Maintenance I (III Year of operation) Silviculture operation	Establishment of green cover in 410.000 ha.	In Next 2 Years
3	Maintenance II (IV Year of operation) for Block Plantation Forest Land	Establishment of green cover in 3,309.395 ha.	In Next 4 Years
	Maintenance II (IV Year of operation) for Block Plantation Non-Forest Land	Establishment of green cover in 15.463 ha.	In Next 4 Years
	Maintenance II (IV Year of operation) Linear Plantation (K.M)	Establishment of green cover in 88.572 km.	In Next 4 Years
	Maintenance II (IV Year of operation) Linear Plantation (Gabion)	Establishment of green cover in 720 no.	In Next 4 Years
	Maintenance II (IV Year of operation) Silviculture operation	Establishment of green cover in 2,160.000 ha.	In Next Years
4	Maintenance III (V Year of operation) for Block Plantation Forest Land	Establishment of green cover in 2,734.493 ha.	In Next 3 Years
	Maintenance III (V Year of operation) Linear Plantation (K.M)	Establishment of green cover in 53.233 km.	In Next 3 Years
	Maintenance III (V Year of operation) Linear Plantation (Gabion)	Establishment of green cover in 30,400 no.	In Next 3 Years
5	Maintenance IV (VI Year of operation) for Block Plantation Forest Land	Establishment of green cover in 3,445.865 ha.	In Next 2 Years
	Maintenance IV (VI Year of operation) for Block Plantation Non-Forest Land	Establishment of green cover in 241.388 ha.	In Next 2 Years
	Maintenance IV (VI Year of operation) Linear Plantation (K.M)	Establishment of green cover in 44.827 km.	In Next 2 Years
6	Maintenance V (VII Year of operation) for Block Plantation Forest Land	Establishment of green cover in 1,604.360 ha.	In Next Years
	Maintenance V (VII Year of operation) for Block Plantation Non-Forest Land	Establishment of green cover in 125.750 ha.	In Next Years
	Maintenance V (VII Year of operation) Linear Plantation (K.M)	Establishment of green cover in 11.677 km.	In Next Years
	Maintenance V (VII Year of operation) Linear Plantation (Gabion)	Establishment of green cover in 500 no.	In Next Years
7	Advance work (1st Year of operation) for Block Plantation Forest Land	Establishment of green cover in 5253.259 ha.	In Next 2 Years
8	Advance work (1st Year of operation) for Block Plantation Non Forest Land	Establishment of green cover in 275.119 ha.	In Next 2 Years
9	Advance work (1st Year of operation) for Block Plantation Safety zone	Establishment of green cover in 6.653 ha.	In Next 2 Years
10	Advance work (1st Year of operation) for Liner Plantation (K.M)	Establishment of green cover in 106.259 km.	In Next 2 Years
11	Soil and Water Conservation Work	Establishment of green cover in 144.234 km.	In Next 2 Years
12	Soil and Water Conservation Work	Establishment of green cover in 215.715 ha.	In Next 2 Years
13	Eco-development of Village (Dalma wild life Sanctuary)	Eco-development of Village (Dalma wild life Sanctuary)	During 2023-24
14	Catchment Area Treatment Plan	To supplement efforts to increase in ground water recharge and reduction in soil erosion	In Next 4 Years
15	Integrated Wildlife Management Plan	To enhance wildlife conservation efforts in the implementation areas	In Next 4 Years
16	Maintenance (II & III Year of operation) for Miscellaneous interventions using LiDAR Technology	Establishment of green cover in 540.000 ha.	In Next Years
17	Completion work (II year work) for RDF/ Bamboo block plantations (Non-Forest land) in wildlife corridor	Establishment of green cover in 1469.500 ha.	In Next 6 Years
18	Completion work (II year work) for SMC block plantations (Forest land)	Establishment of green cover in 1,850.000 ha.	In Next 6 Years

Sl. No.	Activities	Measurable output	Period required for achieving measurable output
1	2	3	4
19	Completion work (II year work) for RDF Block Plantation (Forest land)	Establishment of green cover in 1,850.000 ha.	In Next 6 Years
20	Completion work (II year work) for MFP Host Tree Plantation block plantations (Forest Land)	Establishment of green cover in 2,050.000 ha.	In Next 6 Years
21	Maintenance I (III Year of operation) for RDF Block Plantation (Forest land)	Establishment of green cover in 2,575.000 ha.	In Next 5 Years
22	Completion work (II year work) for Natural Regeneration, Silviculture operation & SMC works	Establishment of green cover in 12,950.000 ha.	In Next 3 Years
23	Maintenance I (III Year of operation) for Natural Regeneration, Silviculture operation & SMC works	Establishment of green cover in 9,040.000 ha.	In Next 2 Years
24	Maintenance II (IV Year of operation) for Natural Regeneration, Silviculture operation & SMC works	Establishment of green cover in 6,022.000 ha.	In Next Years
25	Maintenance and Strengthening of Work of Permanent Nurseries	Supply of quality planting materials to local population 123.500 ha.	During 2023-24
26	Assisted natural regeneration	Establishment of green cover in 5525.000 ha.	In Next 4 Years
27	Afforestation works in the Ganga basin with CAMPA	It will be helpful in reducing erosion of bank of the Ganga and will reduce siltation.	During 2023-24
28	Advance work (1st Year work) for RDF/MFP block plantations (Forest Land)	Establishment of green cover in 4100.000 ha.	In Next 7 Years
30	Advance work for Bamboo Plantation (Forest Land)	Establishment of green cover in 4200.000 ha.	In Next 7 Years
31	Advance work for Sisal Plantation (Forest Land)	Establishment of green cover in 100.000 ha.	In Next 7 Years
32	Advance Work (1st Year works) Silviculture operation	Establishment of green cover in 5525.000 ha.	In Next 4 Years
33	Consolidation of Forest Boundary Pillar with digitization/DGPS of Forest boundary	Delineation of forest areas to prevent encroachment	During 2023-24
34	Integrated work for forest and wild life protection	There will be improvement in density of forest and habitat of wildlife	During 2023-24
35	Pest and disease control in forest	Pest and disease control in forest	During 2023-24
36	Forest fire prevention and control operations	Forest fire prevention and control operations	During 2023-24
37	Construction of Check dam	Providing water facility to wildlife & Soil Moisture conservation 565 no.	During 2023-24
38	Renovation of Traditional Water Sources	Renovation of Traditional Water Sources	During 2023-24
39	Treatment of some important Nala on the concept of Watershed and CAT	Treatment of some important Nala on the concept of Watershed and CAT	During 2023-24
40	Miscellaneous interventions using LiDAR Technology	Improvement of soil moisture in forest area.	During 2023-24
41	Voluntary relocation of villages from protected areas	Voluntary relocation of villages from protected areas	During 2023-24
42	Wildlife Habitat improvement and related activities	* Wildlife habitat improvement to improve health of forests, weed eradication, grassland development and soil & moisture conservation works. • Reduced incidences of human-wildlife conflicts Strengthening of communication network	During 2023-24
43	Advance work (1st year work) for RDF block plantations on non-forest land falling in wildlife corridors	Establishment of green cover in 2300.000 ha.	In Next 7 Years
44	Continuing Scheme of Creation of Rescue Centre	Continuing Scheme of Creation of Rescue Centre	During 2023-24
45	Distribution of Solar Lamp	Effective management in respect of forest and wildlife protection	During 2023-24
46	Establishment of Nurseries	Supply of quality planting materials to local population 4 ha.	During 2023-24
	Establishment of Hi-Tech Nurseries	Supply of quality planting materials to local population 4 ha.	During 2023-24
	Establishment of Sisal Nurseries	Supply of quality planting materials to local population 1 ha.	During 2023-24
	Establishment of Tissue culture Lab. Study on ethnoboany	Supply of quality planting materials to local population 1 ha. Study on ethnoforestry	During 2023-24

Sl. No.	Activities	Measurable output	Period required for achieving measurable output
1	2	3	4
47	Purchase of Dragon Torch	Purchase of 1205 no. Dragon Torch	During 2023-24
48	Maint. of Dragon Torch	Maint. of 161 no. Dragon Torch	During 2023-24
49	Maint. of Old Solar Street Light	Maint. of 20 no. Old Solar Street Light	During 2023-24
50	Purchase of Fire fighting equipment and related to man animal conflict	Purchase of 46 no. Fire fighting equipment and related to man animal conflict	During 2023-24
51	Const. of VHF Tower	Const. of 5 no. VHF Tower	During 2023-24
52	NPV : Up gradation and maintenance of forest roads and watch towers	Providing movement in forest for its protection.	During 2023-24
53	Const. of R.O.F Quarter Cum Office	Improvement in living conditions of frontline staff. that way will improve their performance	During 2023-24
54	Const. of Forest Guard Quarter		
55	Const. of Camp Office R.F.O Inspection hut		
56	Survey and mapping of forest areas for forest fire control, compensatory afforestation works. Soil and moisture conservation, catchment area treatment and wildlife management for preparing annual plans	Improvement in living conditions of frontline staff. that way will improve their performance	During 2023-24
57	Independent evaluation of works under CAMPA	Improvement in living conditions of frontline staff. that way will improve their performance	During 2023-24
	e-Green watch Portal- Training updating and uploading of information and strengthening of respective offices	Training, updating and uploading of information through e-green watch portal and strengthening of respective offices	During 2023-24
58	Awareness generation and Promoting voluntary activities.	Publicity for carrying out compensatory afforestation and other activities and organizing awareness programmes at State Hqrs. as well as in all the territorial Divisions	During 2023-24
59	Forest certification and food safety training	Forest certification and food safety training	During 2023-24
60	Activities to be undertaken for conservation and development of forest and wildlife	Activities to be undertaken for conservation and development of forest and wildlife	During 2023-24
61	Activities to be undertaken for non-recurring and recurring expenditure of State Authority	Activities to be undertaken for non-recurring and recurring expenditure of State Authority	During 2023-24
62	Study to improve wildlife, protection of forests and Bio-diversity	For better management of forest and wildlife	During 2023-24
63	Advance Work (1st Year of operation) Linear Plantation (K.M)	Establishment of green cover in 15.810 km.	In Next 7 Years
64	Advance Work (1st Year of operation) Linear Plantation (Gabion)	Establishment of green cover in 100 no.	In Next 7 Years
65	Advance Work (1st Year of operation) for Block Plantation Forest Land (Condition Compliance)	Establishment of green cover in 3.600 ha.	In Next 7 Years
66	Advance Work (1st Year of operation) for Linear Plantation (K.M) (Condition Compliance)	Establishment of green cover in 10.600 km.	In Next 7 Years
67	Advance Work (1st Year of operation) for Silvicultural Operation (Condition Compliance)	Establishment of green cover in 200.000 ha.	In Next 4 Years
68	Soil & Moisture conservation (Condition Compliance)	Establishment of green cover in 206.517 ha.	During 2023-24
69	Construction of Check Dam (Condition Compliance)	Providing water facility to wildlife & Moisture conservation 25.000 no.	During 2023-24
70	Nature Park-cum-Environmental Education Centre (Condition Compliance)	Nature Park-cum-Environmental Education Centre (Condition Compliance)	During 2023-24
71	Rent of Vehicle (Condition Compliance)	Strengthening of forest protection with the help of patrolling vehicles 2 no.	During 2023-24
72	Construction of Forest Boundary Pillars (Condition Compliance)	Delineation of forest areas to prevent encroachment	During 2023-24
73	Protection of Flora & Fauna (Condition Compliance)	Conservation of Protection of endangered plant & Wild animal species in 4,607.840 ha.	During 2023-24

(c) Details of the concurrent monitoring and evaluation report including third party monitoring

- (i) With a view to make monitoring and evaluation of plantations more effective, the Department of Forest, Environment & Climate Change, Govt. of Jharkhand vide notification no. 4480 dated 31.10.2018 has strengthened the Monitoring & Evaluation wing of the department to monitor and review the developmental works carried out by the forest divisions. This wing comprising of Chief Conservator of Forest, Vigilance and supported by a Conservator of Forest and two Divisional Forest Officers, is doing monitoring of CAMPA works in the State. A summary of monitoring work done by the Monitoring & Evaluation wing of the department is enclosed **(Annexure-37a)**
- (ii) Further, the polygons of CAMPA works are regularly uploaded on e-green watch Portal Maintained by Government of India. This system of 'e-Green Watch' facilitates the automation of the various processes involved in monitoring & evaluation of various projects being undertaken by the State CAMPA. The polygons of plantations and information of other works are regularly uploaded on this portal **(Annexure-37b)**.
- (iii) The site-details of compensatory afforestation, NPV works and detail of permanent and Hi-Tech nurseries are enclosed **(Annexure – 2a to 2b, 30a to 30c, 31a to 31o)**.
- (iv) A Request for Proposal was invited at national level by Jharkhand CAMPA to engage a Third-Party independent Agency for evaluation of CAMPA works. Initially, the evaluation of CAMPA works was proposed to be done from the commencement of State CAMPA schemes in one go. However, the bidders expressed their inability to complete this huge task in one year. After the approval of competent authority, it was therefore, decided to initially evaluate the CAMPA works for three years i.e., 2016-17, 2017-18, and 2018-19. After the evaluation of technical and financial bids, the work was awarded to the successful bidder PwC in the month of November, 2020. The selected agency PW has commenced the work in the field and has almost finished the work. There was delay in monitoring work due to second wave of COVID in April 2021. A summary of evaluation work done so far is enclosed as **(Annexure-37a, 37b)**
- (v) National CAMPA vide its notification no. 4-51/2019-NA dated 15.10.2019 **(Annexure-37c)** has also appointed experts in the 'Monitoring Group of National Authority' to evolve independent system of monitoring and evaluation of works in the States.
- (vi) National CAMPA has also appointed ICFRE for third Party monitoring after 14th EC of National CAMPA.

Executive Summary

APO 2023-24

Executive Summary (APO FY 2023-24)

A sum of **Rs. 8,09,44.163 lakh (Rupees Eight Hundred Nine Crore Forty Four Lakh Sixteen Thousand Three hundred only)** is required to implement various activities proposed in the APO 2023-24. The activities to be undertaken are as below –

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)	CAF Act/ CAF Rule	Annexure no.
1	2	3	4	5	6	7
(a)	On-going works (Completion & Maintenance of old plantations): The physical and financial targets of various activities proposed under this head				CAF Act/ CAF Rule Section 6	
1	Completion (II Year of operation) for Block Plantation Forest Land	ha.	3,576.083	1,708.215		2
	Completion (II Year of operation) for Block Plantation Non-Forest Land	ha.	31.657	18.968		2
	Completion (II Year of operation) Linear Plantation (K.M)	k.m.	129.077	394.895		2
	Completion (II Year of operation) Linear Plantation (Gabion)	gabion	1,000	7.265		2
2	Maintenance I (III Year of operation) for Block Plantation Forest Land	ha.	2,798.598	596.995		2
	Maintenance I (III Year of operation) for Block Plantation Non-Forest Land	ha.	404.235	126.162		2
	Maintenance I (III Year of operation) Linear Plantation (K.M)	k.m.	72.048	213.825		2
	Maintenance I (III Year of operation) Linear Plantation (Gabion)	gabion	18,690	112.239		2
3	Maintenance II (IV Year of operation) for Block Plantation Forest Land	ha.	3,309.395	606.033		2
	Maintenance II (IV Year of operation) for Block Plantation Non-Forest Land	ha.	15.463	6.983		2
	Maintenance II (IV Year of operation) Linear Plantation (K.M)	k.m.	88.572	173.767		2
	Maintenance II (IV Year of operation) Linear Plantation (Gabion)	gabion	720	4.226		2
4	Maintenance III (V Year of operation) for Block Plantation Forest Land	ha.	2,734.493	496.438		2
	Maintenance III (V Year of operation) Linear Plantation (K.M)	k.m.	53.233	75.368		2
	Maintenance III (V Year of operation) Linear Plantation (Gabion)	gabion	30,400	86.640		2
5	Maintenance IV (VI Year of operation) for Block Plantation Forest Land	ha.	3,445.865	167.535		2
	Maintenance IV (VI Year of operation) for Block Plantation Non-Forest Land	ha.	241.388	18.068		2
	Maintenance IV (VI Year of operation) Linear Plantation (K.M)	k.m.	44.827	20.562		2
6	Maintenance V (VII Year of operation) for Block Plantation Forest Land	ha.	1,604.360	88.695		2
	Maintenance V (VII Year of operation) for Block Plantation Non-Forest Land	ha.	125.750	11.498		2
	Maintenance V (VII Year of operation) Linear Plantation (K.M)	k.m.	11.677	4.603		2
	Maintenance V (VII Year of operation) Linear Plantation (Gabion)	gabion	500	1.425		2
7	Completion (II Year of operation) Silviculture operation	ha.	200.000	22.710		2
	Maintenance I (III Year of operation) Silviculture operation	ha.	410.000	13.469		2
	Maintenance II (IV Year of operation) Silviculture operation	ha.	2,160.000	70.956		2
	Maintenance of Linear Plantation (Gabion) (6th Year work) (Previous Year due F.Y 2021-22)	gabion	1,73,666	45.217		2
	Sub-Total			5,092.755		
(b)	New works: CA, PCA and compliance of additional conditions: The physical and financial targets of various activities proposed under this head are as follows:				CAF Act/ CAF Rule Section 6	
1	Advance work (1st Year of operation) for Block Plantation Forest Land	ha.	5,253.259	5,351.227		1
2	Advance work (1st Year of operation) for Block Plantation Non Forest Land	ha.	275.119	712.248		1
3	Advance work (1st Year of operation) for Block Plantation Safety zone	ha.	6.653	18.687		1
4	Advance work (1st Year of operation) for Liner Plantation	k.m.	106.259	1,466.008		1
5	Eco-development of Village (Dalma wild life Sanctuary)	no.	1	1,000.000		1
	Sub-Total			8,548.170		
	Total of CA/PCA work			13,640.925		

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)	CAF Act/ CAF Rule	Annexure no.
2	Budget Sub-Head 03-Catchment Area Treatment Plan					
1	Catchment Area Treatment Plan	no.	7	2,997.879		3
	Total of CAT Plan work			2,997.879		
3	Budget Sub-Head 04-Integrated Wildlife Management Plan					
1	Integrated Wildlife Management Plan	no.	24	8,517.112		4
	Total of IWMP work			8,517.112		
4	Budget Sub-Head 05-Net Present Value of Forest Land. [under CAF Act/ CAF Rule 5(2),(3)]				CAF Act/ CAF Rule 5(2) & 5(3)	
(a)	Ongoing works: Completion & Maintenance of old plantations: The physical and financial targets of various activities proposed under this head are as follows:					
	NPV : Completion & Maintenance Works [under CAF Rule 5(2)]				CAF Act/ CAF Rule 5(2)	
1	Maintenance (II & III Year of operation) for Miscellaneous interventions using LiDAR Technology	ha.	540.000	193.783	5(2)g	27
2	Completion work (II year work) for Afforestation works in the Ganga basin (Forest land)	no.	2	327.000	5(2)b	27
3	Completion work (II year work) for RDF/Bamboo block plantations on (Non-forest land) falling in wildlife corridors	ha.	1469.500	640.355	5(2)j	27
4	Completion work (II year work) for SMC block plantations (Forest land)	ha.	1,850.000	622.988	5(2)b	27
5	Completion work (II year work) for RDF Block Plantation (Forest land)	ha.	1,850.000	729.975	5(2)b	27
6	Completion work (II year work) for MFP Host Tree Plantation block plantations (Forest Land)	ha.	2,050.000	2,002.205	5(2)b	27
7	Maintenance I (III Year of operation) for RDF Block Plantation (Forest land)	ha.	2,575.000	461.988	5(2)b	27
8	Completion work (II year work) for Natural Regeneration, Silviculture operation & SMC works	ha.	12,950.000	1,470.473	5(2)c	27
9	Maintenance I (III Year of operation) for Natural Regeneration, Silviculture operation & SMC works	ha.	9,040.000	296.964	5(2)c	27
10	Maintenance II (IV Year of operation) for Natural Regeneration, Silviculture operation & SMC works	ha.	6,022.000	197.823	5(2)c	27
11	Maintenance and Strengthening Work of Permanent & Hi-tech Nurseries	ha.	123.500	1,783.959	5(3)a	27
	Total			8727.491		
(b)	New Works: The physical and financial targets of various new activities area as follows:					
	Proposal under [CAF Rule 5(2)]				CAF Act/ CAF Rule 5(2)	
	CAF Rule 5(2)a					
(I)	Assisted natural regeneration	ha.	5,525.000	3,963.809	5(2)a	5
	Total		5,525.000	3,963.809		
	CAF Rule 5(2)b					
(II)	Afforestation works in the Ganga basin with CAMPA on forest land.	no.	2	1,100.000	5(2)b	6
	Total			1,100.000		
(III)	NPV : Artificial Regeneration Advance Work (1st Year work)					
1	Advance work (1st Year work) for RDF/MFP block plantations (Forest Land)	ha.	4,100.000	3,792.224	5(2)b	7
2	Advance work for Bamboo Plantation (Forest Land)	ha.	4,200.000	4,054.375		
3	Advance work for Sisal Plantation (Forest Land)	ha.	100.000	158.367		
	Total		8,400.000	8,004.966		
	CAF Rule 5(2)c					
(IV)	NPV : Silvicultural operations					
1	Advance Work (1st Year works) Silviculture operation	ha.	5,525.000	3,963.809	5(2)c	8
	Total		5,525.000	3,963.809		

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)	CAF Act/ CAF Rule	Annexure no.
	CAF Rule 5(2)d					
(V)	NPV : Protection of Forests and Plantations activities					
1	Consolidation of Forest Boundary Pillar with digitization/DGPS of Forest boundary	no.	8,570	471.350	5(2)d	9
2	Integrated work for forest and wild life protection	no.	36	720.000		
	Total		8,606	1,191.350		
	CAF Rule 5(2)e					
(VI)	NPV : Pest and disease control in forest activities					
1	Pest and disease control in forest	no.	2	10.000	5(2)e	10
	Total			10.000		
	CAF Rule 5(2)f					
(VII)	NPV : Forest fire prevention and control operations activities					
1	Forest fire prevention and control operations	no.	36	481.550	5(2)f	11
	Total		36	481.550		
	CAF Rule 5(2)g					
(VIII)	NPV : Soil Moisture Conservation					
1	Construction of Check dam	no.	565	4756.000	5(2)g	12
2	Renovation of Traditional Water Sources	no.	615	492.000		
3	Treatment of some important Nala on the concept of Watershed and CAT	no.	31	775.000		
	Total		1211	6023.000		
	CAF Rule 5(2)g					
(IX)	NPV : Miscellaneous interventions using LiDAR Technology					
1	Advance work (1st Year work) for Miscellaneous interventions using LiDAR Technology	no.	1 Div.	500.000	5(2)g	13
	Total			500.000		
	CAF Rule 5(2)h					
(X)	NPV : Voluntary relocation of villages from protected areas					
1	Voluntary relocation of villages from protected areas	no.	1	800.000	5(2)h	14
	Total			800.000		
	CAF Rule 5(2)i					
(XI)	NPV : Wildlife Habitat improvement and related activities					
1	Wildlife Habitat improvement Activities (Completion & Maintenance Works)	ha.	6,468.000	983.265	5(2)i	15 a
2	Wildlife Habitat improvement Activities (Advance Works)	ha.	5,098.000	5,894.488		15 b
	Total			6,877.753		
	CAF Rule 5(2)j					
(XII)	NPV : Plantations on non-forest land falling in wildlife corridors					
1	Advance work (1st year work) for RDF/bamboo block plantations on non-forest land falling in wildlife corridors	ha.	2,300.000	1,848.542	5(2)j	16
	Total			2,488.877		
	CAF Rule 5(2)k					
(XIII)	NPV : Continuing Scheme of Creation of Rescue Centre					
1	Continuing Scheme of Creation of Rescue Centre	no.	1	500.000	5(2)k	17
	Total		1	500.000		
	CAF Rule 5(2)l					
(XIV)	NPV: Supply of Forest Produce Saving devices					
1	Distribution of Solar Lamp	no.	3,500	140.000	5(2)l	18
	Total		3,500	140.000		

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)	CAF Act/ CAF Rule	Annexure no.
	CAF Rule 5(3)a				CAF Act/ CAF Rule 5(2)	
	New Proposal under CAF Rule 5(3) Strengthening of the forest and wildlife in infrastructure under CAF Rule 5(3)					
(XV)	NPV : Establishment, up-gradation and maintenance of modern nurseries and other planting stock production facilities for production of quality planting materials;					
1	Establishment of Nurseries	no.	155	1550.000	5(3)a	19
2	Establishment of Hi-Tech Nurseries	no.	4	64.133		
3	Establishment of Sisal Nurseries	no.	1	17.669		
4	Establishment of Tissue culture Lab. for planting Stock	no.	1	49.000		
	Total			1680.802		
	CAF Rule 5(3)b					
(XVI)	NPV : Promoting conservation, sustainable use and documentation of biological diversity including preservation of habitats, conservation of land and folk varieties and cultivars, domesticated stocks and breeds of animals and microorganisms and chronicling of knowledge relating to biological diversity.					
1	Promoting conservation, sustainable use and documentation of biological diversity through Study on ethnobotany/ethnoforestry	no.	1	20.000	5(3)b	20
	Total			20.000		
	CAF Rule 5(3)c					
(XVII)	NPV : Purchase and maintenance of equipment or devices used for communication and information technology for the purpose of protection of forest and wildlife					
1	Purchase of Dragon Torch	no.	1,205	102.425	5(3)c	21
2	Maint. of Dragon Torch	no.	161	1.610		
3	Maint. of Old Solar Street Light	no.	20	2.000		
4	Purchase of Fire fighting equipment and related to man animal conflict	no.	46	230.000		
5	Const. of VHF Tower	no.	5	125.000		
	Total			461.035		
	CAF Rule 5(3)d					
(XVIII)	NPV : Up gradation and maintenance of forest roads and watch towers					
1	Forest Road Repair	k.m.	2,595.914	865.942	5(3)d	22
2	Maint. Of Old Watch Tower	no.	54	13.500		
3	Const. of Watch Tower	no.	26	195.000		
4	Const. of Check post	no.	3	30.000		
	Total			1,104.442		
	CAF Rule 5(3)e					
(XIX)	NPV : Construction of residential and Official Buildings in forests for frontline staffs					
1	Const. of R.O.F Quarter Cum Office/R.F.O. Office/R.F.O. Residence	no.	18	810.000	5(3)e	23
2	Const. of Forest Guard Quarter	no.	20	990.000		
3	Const. of Camp Office R.F.O/Inspection Hut	no.	10	156.000		
	Total			1,956.000		
	CAF Rule 5(3)g					
(XX)	NPV : Survey and mapping of forest areas for forest fire control, compensatory afforestation works. Soil and moisture conservation, catchment area treatment and wildlife management for preparing annual plans					
1	Survey and mapping of forest areas through LiDAR technology	no.	12	2,938.200	5(3)g	24
	Total			2,938.200		

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)	CAF Act/ CAF Rule	Annexure no.
	CAF Rule 5(3)h					
(XXI)	NPV : Monitoring & Evaluation					
1	Independent evaluation of works under CAMPA	no.	54	56.000	5(3)h	
2	e-Green watch Portal- Training updating and uploading of information and strengthening of respective offices	no.	54	44.000		
	Total			100.000		
	CAF Rule 5(3)i					
(XXII)	NPV : Publicity-cum-awareness programmes.					
1	Awareness Generation, Camps, Workshop, promoting voluntary activities/ study tours on conservation methods and best practices	no.	50	275.000	5(3)i	25
	Total			275.000		
	CAF Rule 5(3)k					
(XXIII)	NPV : Forest certification and food safety training					
1	Forest certification and food safety training	no.	3	4.392	5(3)k	26
	Total			4.392		
	Total of NPV New work			43944.648		
	Grand Total of NPV Work			52672.140		
5	Budget Sub-Head 06-Interest				CAF Act/ CAF Rule 6	
1	Activities to be undertaken for conservation and development of forest and wildlife	no.	54	1,150.000		28
2	Activities to be undertaken for non-recurring and recurring expenditure of State Authority	no.	1	150.000		
3	Study to improve wildlife, protection of forests and Bio-diversity	no.		200.000		
	Total of Interest work			1,500.000		
6	Budget Sub-Head 07-Others				CAF Act/ CAF Rule Section 6	
	Stipulated Plantation and Other Conditional Compliance of GoI					
	A. Stipulated Plantation					
1	Advance Work (1st Year of operation) Linear Plantation (K.M)	k.m.	15.810	24.169		29
2	Advance Work (1st Year of operation) Linear Plantation (Gabion)	gabion	100	3.485		
	B. Condition Compliance					
3	Advance Work (1st Year of operation) for Block Plantation Forest Land (Condition Compliance)	ha.	3.600	5.393		
4	Advance Work (1st Year of operation) for Linear Plantation (K.M) (Condition Compliance)	k.m.	10.600	162.040		
5	Advance Work (1st Year of operation) for Silvicultural Operation (Condition Compliance)	ha.	200.000	143.486		
6	Soil & Moisture conservation (Condition Compliance)	ha.	206.517	201.834		
7	Construction of Check Dam (Condition Compliance)	no.	25.000	306.100		
8	Nature Park-cum-Environmental Education Centre (Condition Compliance)	---	---	387.472		
9	Soil and Water Conservation Work (Condition Compliance)	k.m.	144.234	24.330		
10	Soil and Water Conservation Work (Condition Compliance)	ha.	215.715	60.709		
11	Rent of Vehicle (Condition Compliance)	no.	2	20.000		
12	Construction of Forest Boundary Pillars (Condition Compliance)	no.	2,352.000	201.405		
13	Protection of Flora & Fauna (Condition Compliance)	ha.	4,607.840	75.684		
	Sub-Total			1,616.108		
	Total of Others work			1,616.108		
	Grand Total			8,09,44.163		

ANNEXURES

(APO 2023-24)

Jharkhand CAMPA
CA/PCA Advance work during 2023-24

ANNEXURE - 1

(Rs. in Lakh)

Sl. No.	Name of F Div.	Name of Project	Area Diverted (ha)	GoI Approval Order & Date	CA/PCA														
					Block Plantation														
					Forest Land Plantation			Non Forest Land Plantation			Safety zone Plantation			Linear Plantation					
					Name of Site	Area (ha)	Amount	Name of Site	Area (ha)	Amount	Name of Site	Area (ha)	Amount	Name of Site	Area (K.M.)	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17			
1	Bokaro	MS Central Coalfield Limited Rajrappa Open Cast Coal Mining Project	277.150	FP/JH/MIN/3613/2004 File No. 8-21/2015FC Dated 03.09.2020	Nawadih (Chadar No. 01+02)	65.300	90.768												
1	Bokaro				Gopalpur	70.000	95.442												
1	Bokaro				Nawadih	14.000	24.818												
1	Bokaro				Banga	35.000	49.524												
1	Bokaro				Tangtona	80.000	108.941												
1	Bokaro				Penk (Chadar No.-06)	50.000	61.735												
1	Bokaro				Penk (Chadar No.-04)	40.000	50.048												
1	Bokaro				Penk (Chadar No.-07)	100.000	130.466												
1	Bokaro				Penk (Chadar No.-08)	80.000	100.730												
1	Bokaro				Penk (Chadar No.-09)	20.000	34.768												
	Total		277.150			554.300	747.240												
2	Dhanbad	CCL Laiyo Open Cast Project	78.590		Khanudih (North Part)	50.000	56.642												
2	Dhanbad				Gorga	8.000	10.382												
	Total		78.590			58.000	67.024												
3	Giridih (E)	220 KV D/C TTPS-Govindpur Transmission Line	34.739	FP/JH/TRANS/40558/2019/151 dated 21.03.2022	Giridih	19.478	21.108												
3	Giridih (E)				Gawan	50.000	53.768												
3	Giridih (E)	Dedicated Freight Corridor Corporation of India	1.514	FP/Jh/RAIL/147271/2021/469 dated 11.08.2022		3.500	5.784												
3	Giridih (E)	Village - Parsabeda, Keadluni & Baroghutto in West Bokaro Colliery	249.900	8-80/2010-FC Dt 15-10-2018				Baledih	4.150	4.855									
3	Giridih (E)	Alternative Site (In lieu of diverted forest land in Ramgarh Forest Division)			Amjo	58.090	73.225												
3	Giridih (E)				Bajjnathpur	72.180	88.857												
3	Giridih (E)				Dhobani	32.120	39.051												
3	Giridih (E)				Domapahadi	44.680	59.183												
3	Giridih (E)				Mohanpur	41.000	44.430												
3	Giridih (E)				Motileda	80.000	86.743												
3	Giridih (E)				Bijhaiya	50.000	54.515												
3	Giridih (E)				Margomunda	42.180	45.739												
3	Giridih (E)				Lodhratari	34.000	38.623												
	Total					286.153			527.228	611.024		4.150	4.855						
4	Ramgarh	Tapin North OCP	427.000	8-32/2008 FC dt.27.02.09 8-32/2008 FC dt.19.07.11	Rola	30.000	24.068												
4	Ramgarh				Chopadarul/ Khakhra	50.000	40.184												
4	Ramgarh				Purabdi	40.000	32.233												
4	Ramgarh				Nwasirka/ Byang	30.000	24.068												
4	Ramgarh				Sadam	50.000	40.184												
4	Ramgarh	SANDI TO RAJRAPPA ROAD	1.027	FP/JH/ ROAD/ 44670/2020 FP/JH/ROAD/44670/2020 28.01.2022	Kothar	2.054	11.375												
4	Ramgarh	WBC Parsabeda, Keda. Duni	249.900	F.No 8-80/2010 FC dt.15.10.18 F.No.8-80/2010 FC dt.24.01.22							Jainagar	4.095	16.173						
	Total		677.927			202.054	172.111					4.095	16.173						

Sl. No.	Name of F Div.	Name of Project	Area Diverted (ha)	Gol Approval Order & Date	CA/PCA												
					Block Plantation												
					Forest Land Plantation			Non Forest Land Plantation			Safety zone Plantation			Linear Plantation			
					Name of Site	Area (ha)	Amount	Name of Site	Area (ha)	Amount	Name of Site	Area (ha)	Amount	Name of Site	Area (K.M.)	Amount	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
5	Deoghar	Mohanpur Hansdiha New BG Railway Line	6.318	FP/JH/ RAIL/3045/ 2017/273 dated 04.03.2022	Astha	12.636	15.321										
	Total		6.318			12.636	15.321										
6	Dumka	MOHANPUR-HANSDIHA NEW BG RAIL LINE	2.826	FP/JH/RAIL/30545/2017 FP/JH/RAIL/30545/2017/237 dt.-04.03.22	Dundiya	5.652	10.666										
	Total		2.826			5.652	10.666										
7	Godda	Adani Power Limited 66 KV Transmission Line	6.139	FP/JH/TRANS-34382/2018/4483 dt-29-01-2021	Sidhbank	25.000	29.066										
7	Godda	Adani Power Limited 400 KV Transmission Line	29.350	FP/JH/TRANS-34382/2018/4483 dt-29-01-2021 FP/JH/TRANS-34382/2018/4483/4961 dt-20-10-2022												3.000	39.762
	Total		35.489			25.000	29.066									3.000	39.762
8	Jamtara																
	Total																
9	Pakur	Coal Project	371.070	FP/JH/MIN/911/20108-37/2010 FC DATED-14.12.2011				KENDUWA	2.840	29.304							
9	Pakur							KENDUWA	3.940	72.285							
9	Pakur							DALDALI	20.620	34.190							
9	Pakur							DALDALI	8.970	19.995							
9	Pakur							DALDALI	10.290	21.051							
9	Pakur							SIRISTALLA	6.400	20.981							
9	Pakur							SIRISTALLA	10.730	38.725							
9	Pakur							JABDIKHARIYOP ARA	3.750	55.982							
9	Pakur							JABDIKHARIYOP ARA	2.200	31.780							
9	Pakur							JABDIKHARIYOP ARA	4.040	80.786							
9	Pakur							BARMASIA	4.770	64.621							
9	Pakur							BABUJHUTI	12.690	26.397							
	Total		371.070						91.240	496.098							
10	Sahibganj	Pachwara (North) Coal Mines	371.070	FP/JH/MIN/911/2010 No. 2 (1) Lt. No. F.No.8-37/2010-FC	Tinpahar	36.860	50.677										
10	Sahibganj				Mayurkola	12.550	13.282										
10	Sahibganj	132/33 KV Grid Sub-Station	4.397		Devdand	9.400	18.176										
10	Sahibganj	Jharkhand OCP (M/s CCL) (RAMGARH)	96.280	Stage-2 : 8-52/03 FC dt. 28.05.2004	Bidmar Pahar	15.000	17.057										
10	Sahibganj				Chota Bans beda Pahar	15.000	17.057										
10	Sahibganj	Gididi COCP (M/s CCL) (RAMGARH)	237.300	Stage-2 : 7-72/03 FC 08.08.2008	Dhamni	25.000	28.305										
10	Sahibganj				Bada Churupahad	15.000	17.057										
10	Sahibganj				Chota pathar Chanti	40.000	45.363										
10	Sahibganj				Chihar Pahar	20.000	22.681										
10	Sahibganj				Bada Pathar Chapti	60.000	67.858										
10	Sahibganj				Karamtok Pahar	35.000	39.739										
10	Sahibganj				Range	16.000	18.182										
10	Sahibganj				Ursa Pahar	85.000	95.978										
	Total		709.047			384.810	451.414										

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Sl. No.	Name of F Div.	Name of Project	Area Diverted (ha)	GoI Approval Order & Date	CA/PCA														
					Block Plantation														
					Forest Land Plantation			Non Forest Land Plantation			Safety zone Plantation			Linear Plantation					
					Name of Site	Area (ha)	Amount	Name of Site	Area (ha)	Amount	Name of Site	Area (ha)	Amount	Name of Site	Area (K.M.)	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17			
11	Chatra (N)	Giddi A OCP	232.420	8-73/03FC Dated 08/06/2004 8-73/03FC Dated 30/11/2008	Shankarpur	50.000	54.434	---	---	---	---	---	---	---	---	---	---		
11	Chatra (N)				Humajam	50.000	54.434	---	---	---	---	---	---	---	---	---	---	---	---
11	Chatra (N)				Dahuri	50.000	54.434	---	---	---	---	---	---	---	---	---	---	---	---
11	Chatra (N)				Garia	50.000	54.434	---	---	---	---	---	---	---	---	---	---	---	---
11	Chatra (N)				Babudih	50.000	54.434	---	---	---	---	---	---	---	---	---	---	---	---
11	Chatra (N)				Sikidag	50.000	54.434	---	---	---	---	---	---	---	---	---	---	---	---
11	Chatra (N)				Madarpur	50.000	54.434	---	---	---	---	---	---	---	---	---	---	---	---
11	Chatra (N)				Raharbar	50.000	54.434	---	---	---	---	---	---	---	---	---	---	---	---
11	Chatra (N)				Gerua	35.000	43.486	---	---	---	---	---	---	---	---	---	---	---	---
11	Chatra (N)				Baluri	30.000	39.836	---	---	---	---	---	---	---	---	---	---	---	---
	Total	---	232.420	---	---	465.000	518.795	---	---	---	---	---	---	---	---	---			
12	Chatra (S)	220KV D/C Chatra to Latehar Transmission Line (Package-B)	140.125	PF/JH/TRANS/35914 PF/JH/TRANS/35914/2014/3241 DT. 27.06.2019	---	---	---	---	---	---	---	---	---	---	---	---			
12	Chatra (S)	Pakribarwadih Coal Mines Project NTPC Barkagaon to Chatra 220 KV Transmission Line, (Package- C)	75.590	PH/JH/TRANS/35719 PH/JH/TRANS/35719/2013/370 dt. 30.06.2022	---	---	---	---	---	---	---	---	---	---	Duari, Rajwar, Kewla, Hairmta, Madhopur, Serad, Khaira, Simratari, Meral, Angra, Torar, Birhu	21.600	224.199		
12	Chatra (S)	Chandwa-Gaya Transmission Line 400 KV	144.234	F. No. 8-3/2014 Fc dt. 12.12.2014	---	---	---	---	---	---	---	---	---	---	Barwadih, Sikid, Darha, Sanghani, Sajna, Amouna, Suruj, Kathautia, Jaipur, Panwata Urph Brahmana, Gulhutu, Bhang	19.626	133.088		
12	Chatra (S)	M/s North Kampura Trasco Ltd. 400 KV Tandwa to Chandwa Transmission Line	27.841	FP/JH/TRANS/40694 FP/JH/TRANS/40694/2019/43 dt. 17.01.2022	---	---	---	---	---	---	---	---	---	---	---	---			
12	Chatra (S)	Shivpur-Kathautia New BG Railway Line	307.000	FP/JH/Rail/11986/2015 FP/JH/Rail/11986/2015/3224 dt. 19.06.2019	Chadram	40.000	34.469	---	---	---	---	---	---	---	---	---			
12	Chatra (S)				Sikid	70.000	60.092	---	---	---	---	---	---	---	---				
12	Chatra (S)				Sehda	70.000	60.092	---	---	---	---	---	---	---	---	---			
12	Chatra (S)	RGGVY 33 KV TL Katkamsandi to Gidhour	16.633	5-JHC226/2012/BHU dt. 03.09.2012	Godra	33.267	22.718	---	---	---	---	---	---	---	---	---			
12	Chatra (S)	RGGVY 33 KV TL Pathalgadda to Simaria	8.241	5-JHC221/2012/BHU dt. 03.09.2012	Bai	16.482	14.954	---	---	---	---	---	---	---	---	---			
12	Chatra (S)	RGGVY 33 KV TL Simaria to Lawalong	9.274	5-JHC220/2012/BHU dt. 05.10.2012	Sanghari	18.548	12.679	---	---	---	---	---	---	---	---	---			
12	Chatra (S)	RGGVY 33 KV TL Gidhour to Pathalgadda	10.136	5-JHC234/2012/BHU dt. 18.06.2013	Satur/mamrdini	20.272	11.696	---	---	---	---	---	---	---	---	---			
12	Chatra (S)	RGGVY 33 KV TL Chatra to Pratappur	7.020	5-JHC224/2012/BHU dt. 03.09.2012	Sesang	14.040	11.458	---	---	---	---	---	---	---	---	---			
12	Chatra (S)	RGGVY 33 KV TL Padma to Itkhor	12.696	5-JHC223/2012/BHU dt. 03.09.2012	Bai	25.393	17.354	---	---	---	---	---	---	---	---	---			
12	Chatra (S)	32 KV D/C North Kampura NTPC Tandwa TL	32.626	5-JHC245/2013/BHU dt. 06.09.2013	Karmatand	66.000	48.075	---	---	---	---	---	---	---	12.120	55.867			
12	Chatra (S)	132-33 KV DC North Karpura NTPC Tandwa TL	3.440	Forest-33/2019-832 dt. 05.03.2020	---	---	---	---	---	---	---	---	---	---	1.500	63.424			
	Total	---	794.857	---	---	374.001	293.587	---	---	---	---	---	---	---	54.846	476.578			

Sl. No.	Name of F Div.	Name of Project	Area Diverted (ha)	Gol Approval Order & Date	CA/PCA												
					Block Plantation												
					Forest Land Plantation			Non Forest Land Plantation			Safety zone Plantation			Linear Plantation			
					Name of Site	Area (ha)	Amount	Name of Site	Area (ha)	Amount	Name of Site	Area (ha)	Amount	Name of Site	Area (K.M.)	Amount	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
13	Hazaribag (E)	CCL New Giddi C OCP	73.550	Stage-II Approval No. 8-149/02F Stage-II Approval No. 8-149/02FC dated 07.06.2004	Heathilmurgaon	20.000	15.652										
13	Hazaribag (E)	Pindra UGP	54.790	Stage-II Approval No. 8-68/03FC dated 02.11.2004	Nawada	18.000	20.152										
13	Hazaribag (E)	132 kv D/C Saria- Bishnugarh Transmission line	56.998	---	Akhena	54.880	61.247										
13	Hazaribag (E)		Bhelwa		45.000	36.061											
13	Hazaribag (E)		Barkakana Ranchi Railway Line		306.592	8-131/03FC dt. 18.07.2007	Nagarkeshwari	70.000	58.852								
13	Hazaribag (E)		Biharo		50.000	39.038											
13	Hazaribag (E)		Ratnadih		50.000	39.038											
13	Hazaribag (E)		Chiruwan		50.000	55.834											
13	Hazaribag (E)		Ghurtiwari		50.000	55.834											
	Total	---	491.930	---	---	407.880	381.710										
14	Hazaribag (W)	Ashoka Phase- I		Stage II. F.No. 8-178/97 FC dt. 24.08.98	Katkamsandi	50.000	37.227										
14	Hazaribag (W)	4000 Tilaiya Altra Megha Power	494.110	Stage-II-F.No.-8-56/2009-FC(pt)-d. 1-11-2010	Chhuthankataiya	29.000	21.562										
14	Hazaribag (W)	Peepwar OCP	28.220	F. No.-48/98FC dt. 23.09.2001 Stage II. 8-54/2003 FC dt. 13.01.2004	Kairipprahi	70.000	51.969										
14	Hazaribag (W)	Peepwar OCP	28.220	F. No.-48/98FC dt. 23.09.2001 Stage II. 8-54/2003 FC dt. 13.01.2004	Domadandi	46.160	52.291										
14	Hazaribag (W)	Peepwar OCP	28.220	F. No.-48/98FC dt. 23.09.2001 Stage II. 8-54/2003 FC dt. 13.01.2004	Bhadan	53.580	60.637										
14	Hazaribag (W)	CCL Urimari OCP		Stage II. F.N.8-68/2004-FC dt.17.07.2008	Kewla	53.840	60.930										
14	Hazaribag (W)	North Karanpura Coal Keredari Coal Mining Project		Stage I. F.No. 8-53/2011- FC dated 01-02-2012 Stage II. F.No. 8-53/2011- FC	Kemo	81.610	92.165										
14	Hazaribag (W)	G.S.S. NTPC Barkagaon to Chatra G.S.S. 220kv Transmission line	75.590	Stage I. FP/JH/TRANS/35719/2013/3221 dt. 18.06.2019	Baradih	50.000	37.227										
14	Hazaribag (W)				Lewda	45.120	51.122										
14	Hazaribag (W)	RGVY 11 & 33 K.V. Transmission line in Padma Block		Stage I. 5 JHC 115/2009 BHU dt. 20.11.2009 Stage II. 5 JHC 115/2009 BHU	Salon	20.000	22.681										
14	Hazaribag (W)	RGVY 33 K.V. Transmission line in Keredari Block		Stage I. 5 JHC 112/2009 BHU dt. 27.10.2009 Stage II. 5 JHC 109/2009 BHU	Sikri	5.000	3.871										
14	Hazaribag (W)	RGVY 11 K.V. Transmission line in Keredari Block		Stage I. 5 JHC 110/2009 BHU dt. 20.11.2009 Stage II. 5 JHC 110/2009 BHU	Sikri	15.000	11.242										
14	Hazaribag (W)	RGVY 11 K.V. Transmission line in Barkatha Block		Stage I. 5 JHC 109/2009 BHU dt. 03.12.2009 Stage II. 5 JHC 109/2009 BHU	Sikri	60.000	44.598										
14	Hazaribag (W)	132 KV Double Circuit North Karanpura N.T.P.C. Tandwa Transmission line	2.558	F. No.5-JHC-245/2013-BHU dt. 06.09.2013 F. No.8-53/2011-FC dt.							Bachra	2.558	2.514				
14	Hazaribag (W)	Construction of new BG Rail line Hazaribag to Barkakana	153.913	8-44/2003FC dated 01.04.2004										Marhand to Marhand	2.000	38.826	
14	Hazaribag (W)	G.S.S. NTPC Barkagaon to Chatra G.S.S. 220kv Transmission line	75.590	Stage I. FP/JH/TRANS/35719/2013/3221 dt. 18.06.2019													
	Total	---	886.421	---	---	579.310	547.523					2.558	2.514		2.000	38.826	

Sl. No.	Name of F Div.	Name of Project	Area Diverted (ha)	Gol Approval Order & Date	CA/PCA													
					Block Plantation													
					Forest Land Plantation			Non Forest Land Plantation			Safety zone Plantation			Linear Plantation				
					Name of Site	Area (ha)	Amount	Name of Site	Area (ha)	Amount	Name of Site	Area (ha)	Amount	Name of Site	Area (K.M.)	Amount		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		
25	Medininagar	Four Laning of Hariharganj to Parwa More from Km 23.284 to KM 57.049 on NH-98 on	36.615	FP/JH/ROAD/34848/2018 MoEF&CC Letter No-FP/JH/ROAD/34848/2018/	Loinga	74.000	68.431	---	---	---	---	---	---	---	---	---		
25	Medininagar	Integrated Steel Plant Railway Siding	---	---	---	---	---	Barwadih Alias Kosiyara	10.590	9.793	---	---	---	---	---	---		
25	Medininagar	Tokishud North Captive Coal Mines Project	---	---	---	---	---	Hurdag	6.960	6.436	---	---	---	---	---	---		
25	Medininagar	Moitra Coal Khanan Project, Hazaribag	---	---	---	---	---	Amola	34.684	32.074	---	---	---	---	---	---		
25	Medininagar	Moitra Coal Khanan Project, Hazaribag	---	---	---	---	---	Hulsikala	14.830	13.714	---	---	---	---	---	---		
25	Medininagar	Jitpur Coal Khanan Project	---	---	---	---	---	Nawagarh	44.530	41.179	---	---	---	---	---	---		
25	Medininagar	ESL Steel Ltd. Siyaljori, Chas, Chandankiyari, Bokaro	---	---	---	---	---	Kodwariya	16.012	14.807	---	---	---	---	---	---		
25	Medininagar	Bagru Boxide Mines Khanan Project	---	---	---	---	---	Jujhar Sikni	7.692	7.113	---	---	---	---	---	---		
25	Medininagar	---	---	---	---	---	---	Jujhar Sikni	10.291	9.517	---	---	---	---	---	---		
	Total	---	36.615	---	---	74.000	68.431	---	145.589	134.633	---	---	---	---	---	---		
26	Gumla	Widening & Strangthing /Reconstruction of Toto to Anjandham Road	1.422	FP/JH/ROAD/25400/2017/3047	Pilki more Sisai	0.100	2.669	---	---	---	---	---	---	---	---	---		
26	Gumla	Moitra Coal Block Project	104.170	F.No. 8-103/2011-FC 11.12.2013, 12.09.2019	---	---	---	Dhamapur	6.430	10.707	---	---	---	---	---	---		
26	Gumla	2 x800 MW Ultra Super Critical Thermal Power Plant (USCTPP) at Godda,	13.329	FP/JH/OTHERS/32773/2018/44 89 28.06.2019	---	---	---	Gomat & Baradih	14.050	48.792	---	---	---	---	---	---		
26	Gumla	Transmission Line 220 KV Petarwar-Gola (M/s DVC) (RAMGARH)	11.089	Stage- 2 : 12(25)5/04 FC dt. 28.05.2007	Podi (p)	5.000	5.810	---	---	---	---	---	---	---	---	---		
26	Gumla	Barkakana to Ranchi Railway Line (M/s East Central Railway) (RAMGARH)	306.592	Stage- 2 : 8-131/03 FC dt. 18.07.2007	Khaira	50.000	56.611	---	---	---	---	---	---	---	---	---		
26	Gumla				Bhurso	35.000	39.739	---	---	---	---	---	---	---	---	---	---	---
26	Gumla				Hesaguttu	30.000	33.929	---	---	---	---	---	---	---	---	---	---	---
26	Gumla				Jilinga	40.000	45.363	---	---	---	---	---	---	---	---	---	---	---
26	Gumla				Kochedega	55.000	62.234	---	---	---	---	---	---	---	---	---	---	---
26	Gumla				Sarita	40.000	45.363	---	---	---	---	---	---	---	---	---	---	---
26	Gumla				Lohada	40.000	45.363	---	---	---	---	---	---	---	---	---	---	---
26	Gumla				Udni	50.000	56.611	---	---	---	---	---	---	---	---	---	---	---
	Total				---	436.602	---	---	345.100	393.689	---	20.480	59.499	---	---	---	---	---
27	Khunti	M/s SAIL Kiriburu-Meghahatuburu Iron Ore	247.500	8-537/1988FC (pt) Dt. - 18.10.2010	Sarjandih	87.000	96.877	---	---	---	---	---	---	---	---	---		
27	Khunti	765 KV/DC Ranchi-Mednipur Transmission line	31.307	FP/JH/Trans/33110/2018/3376 Dt. - 22.08.2019 FP/JH/Trans/33110/2018/4929 Dt. - 30.09.2021	Gorniyadih	46.000	51.397	---	---	---	---	---	---	---	---	---		
27	Khunti				Lungtu	51.038	56.978	---	---	---	---	---	---	---	---	---	---	---
	Total	---	278.807	---	---	184.038	205.252	---	---	---	---	---	---	---	---	---		
28	Lohardaga	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
	Total	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
29	Ranchi	BSF Batalian	38.590	FP/JH/DEF/18220/2016/3109 Date 03.05.2019 FP/JH/DEF/18220/2016/ 96 Date 11.02.2022	Okhargarha	63.200	71.161	---	---	---	---	---	---	---	---	---		

Sl. No.	Name of F Div.	Name of Project	Area Diverted (ha)	Govt Approval Order & Date	CA/PCA											
					Block Plantation											
					Forest Land Plantation			Non Forest Land Plantation			Safety zone Plantation			Linear Plantation		
					Name of Site	Area (ha)	Amount	Name of Site	Area (ha)	Amount	Name of Site	Area (ha)	Amount	Name of Site	Area (K.M.)	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
29	Ranchi	PTPS, Bero	10.940	FP/JH/TRANS/14995/2013/1938 Date 01.02.2018 FP/JH/TRANS/14995/2013/4386 Date 25.11.2020	Masiyatu	12.050	24.633									
29	Ranchi	Ranchi- Rargaon	2.301	FP/JH/ROAD/38065/2019/ 3768 Date 22.01.2020 FP/JH/ROAD/38065/2019/ 5109 Date 13.12.2021	Kankaita	10.000	12.414									
29	Ranchi	New B.G. Line Barkakana to Ranchi	67.060	भारत सरकार, पर्यावरण एवं वन मंत्रालय का पत्रांक 131/2003 एफओसी0 दिनांक 27.12.2004, भारत सरकार, पर्यावरण एवं वन मंत्रालय का पत्रांक 131/2003 एफओसी0 दिनांक 18.07.2007	Jawabera & Tirla	55.000	62.985									
	Total		118.891													
30	Simdega					140.250	171.193									
	Total															
31	PTR. (N)															
	Total															
32	PTR. (S)	Ankura	1,018.500	F-No.8-46/2010-FC Dated 10.05.2013	Pratappur Nagar, Tamoli, Dumardih	40.500	22.970									
32	PTR. (S)															
	Total		1,018.500													
33	Hbag Wildlife					40.500	22.970									
	Total															
34	Ranchi Wildlife															
	Total															
35	Ele. Proj, JSR															
	Total															
	Grand Total		7,530.818			5,253.259	5,351.227		275.119	712.248		6.653	18.687		59.846	555.165

Sl. No.	Name of F Div.	CA/PCA							Total Amount
		Block Plantation							
		Safety zone Plantation				Eco-development of Village (Dalma wild life Sanctuary)			
		Name of Site	Area (K.M.)	Unit	Amount	Name of Site	Area (No)	Amount	
1	2	18	19	20	21	22	23	24	25
1	Bokaro	---	---	---	---	---	---	---	90.768
1	Bokaro	---	---	---	---	---	---	---	95.442
1	Bokaro	---	---	---	---	---	---	---	24.818
1	Bokaro	---	---	---	---	---	---	---	49.524
1	Bokaro	---	---	---	---	---	---	---	108.941
1	Bokaro	---	---	---	---	---	---	---	61.735
1	Bokaro	---	---	---	---	---	---	---	50.048
1	Bokaro	---	---	---	---	---	---	---	130.466
1	Bokaro	---	---	---	---	---	---	---	100.730
1	Bokaro	---	---	---	---	---	---	---	34.768
	Total	---	---	---	---	---	---	---	747.240
2	Dhanbad	---	---	---	---	---	---	---	56.642
2	Dhanbad	---	---	---	---	---	---	---	10.382
	Total	---	---	---	---	---	---	---	67.024
3	Girdih (E)	---	---	---	---	---	---	---	21.108
3	Girdih (E)	---	---	---	---	---	---	---	53.768
3	Girdih (E)	---	---	---	---	---	---	---	5.784
3	Girdih (E)	---	---	---	---	---	---	---	4.855
3	Girdih (E)	---	---	---	---	---	---	---	73.225
3	Girdih (E)	---	---	---	---	---	---	---	88.857
3	Girdih (E)	---	---	---	---	---	---	---	39.051
3	Girdih (E)	---	---	---	---	---	---	---	59.183
3	Girdih (E)	---	---	---	---	---	---	---	44.430
3	Girdih (E)	---	---	---	---	---	---	---	86.743
3	Girdih (E)	---	---	---	---	---	---	---	54.515
3	Girdih (E)	---	---	---	---	---	---	---	45.739
3	Girdih (E)	---	---	---	---	---	---	---	38.623
	Total	---	---	---	---	---	---	---	615.879
4	Ramgarh	---	---	---	---	---	---	---	24.068
4	Ramgarh	---	---	---	---	---	---	---	40.184
4	Ramgarh	---	---	---	---	---	---	---	32.233
4	Ramgarh	---	---	---	---	---	---	---	24.068
4	Ramgarh	---	---	---	---	---	---	---	40.184
4	Ramgarh	---	---	---	---	---	---	---	11.375
4	Ramgarh	---	---	---	---	---	---	---	16.173
	Total	---	---	---	---	---	---	---	188.285

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Sl. No.	Name of F Div.	CA/PCA							Total Amount
		Block Plantation							
		Safety zone Plantation				Eco-development of Village (Dalma wild life Sanctuary)			
		Name of Site	Area (K.M.)	Unit	Amount	Name of Site	Area (No)	Amount	
1	2	18	19	20	21	22	23	24	25
5	Deoghar	---	---	---	---	---	---	---	15.321
	Total	---	---	---	---	---	---	---	15.321
6	Dumka	---	---	---	---	---	---	---	10.666
	Total	---	---	---	---	---	---	---	10.666
7	Godda	---	---	---	---	---	---	---	29.066
7	Godda	Godda/Boarijor	---	16.000	26.532	---	---	---	26.532
7	Godda	Motiya, Godda to Pakur Borada	---	76.000	126.026	---	---	---	165.788
	Total	---	---	92.000	152.558	---	---	---	221.386
8	Jamtara	---	---	---	---	---	---	---	---
	Total	---	---	---	---	---	---	---	---
9	Pakur	---	---	---	---	---	---	---	29.304
9	Pakur	---	---	---	---	---	---	---	72.285
9	Pakur	---	---	---	---	---	---	---	34.190
9	Pakur	---	---	---	---	---	---	---	19.995
9	Pakur	---	---	---	---	---	---	---	21.051
9	Pakur	---	---	---	---	---	---	---	20.981
9	Pakur	---	---	---	---	---	---	---	38.725
9	Pakur	---	---	---	---	---	---	---	55.982
9	Pakur	---	---	---	---	---	---	---	31.780
9	Pakur	---	---	---	---	---	---	---	80.786
9	Pakur	---	---	---	---	---	---	---	64.621
9	Pakur	---	---	---	---	---	---	---	26.397
	Total	---	---	---	---	---	---	---	496.098
10	Sahibganj	---	---	---	---	---	---	---	50.677
10	Sahibganj	---	---	---	---	---	---	---	13.282
10	Sahibganj	---	---	---	---	---	---	---	18.176
10	Sahibganj	---	---	---	---	---	---	---	17.057
10	Sahibganj	---	---	---	---	---	---	---	17.057
10	Sahibganj	---	---	---	---	---	---	---	28.305
10	Sahibganj	---	---	---	---	---	---	---	17.057
10	Sahibganj	---	---	---	---	---	---	---	45.363
10	Sahibganj	---	---	---	---	---	---	---	22.681
10	Sahibganj	---	---	---	---	---	---	---	67.858
10	Sahibganj	---	---	---	---	---	---	---	39.739
10	Sahibganj	---	---	---	---	---	---	---	18.182
10	Sahibganj	---	---	---	---	---	---	---	95.978
	Total	---	---	---	---	---	---	---	451.414

Sl. No.	Name of F Div.	CA/PCA							Total Amount	
		Block Plantation								
		Safety zone Plantation			Eco-development of Village (Dalma wild life Sanctuary)					
		Name of Site	Area (K.M.)	Unit	Amount	Name of Site	Area (No)	Amount		
1	2	18	19	20	21	22	23	24	25	
11	Chatra (N)	---	---	---	---	---	---	---	---	54.434
11	Chatra (N)	---	---	---	---	---	---	---	---	54.434
11	Chatra (N)	---	---	---	---	---	---	---	---	54.434
11	Chatra (N)	---	---	---	---	---	---	---	---	54.434
11	Chatra (N)	---	---	---	---	---	---	---	---	54.434
11	Chatra (N)	---	---	---	---	---	---	---	---	54.434
11	Chatra (N)	---	---	---	---	---	---	---	---	54.434
11	Chatra (N)	---	---	---	---	---	---	---	---	54.434
11	Chatra (N)	---	---	---	---	---	---	---	---	43.486
11	Chatra (N)	---	---	---	---	---	---	---	---	39.836
11	Chatra (N)	---	---	---	---	---	---	---	---	518.795
	Total	---	---	---	---	---	---	---	---	380.054
12	Chatra (S)	Birhu, Torar, Angara, Meral, Simratari, Khaira, Duari, Rajwar, Kewla, Halmta	40.360	---	380.054	---	---	---	---	224.199
12	Chatra (S)	---	---	---	---	---	---	---	---	133.088
12	Chatra (S)	Saradhu, Kundi, Kurionga, Dewigra, Raham, Kamata,	6.053	---	91.495	---	---	---	---	91.495
12	Chatra (S)	---	---	---	---	---	---	---	---	34.469
12	Chatra (S)	---	---	---	---	---	---	---	---	60.092
12	Chatra (S)	---	---	---	---	---	---	---	---	60.092
12	Chatra (S)	---	---	---	---	---	---	---	---	22.718
12	Chatra (S)	---	---	---	---	---	---	---	---	14.954
12	Chatra (S)	---	---	---	---	---	---	---	---	12.679
12	Chatra (S)	---	---	---	---	---	---	---	---	11.696
12	Chatra (S)	---	---	---	---	---	---	---	---	11.458
12	Chatra (S)	---	---	---	---	---	---	---	---	17.354
12	Chatra (S)	---	---	---	---	---	---	---	---	103.942
12	Chatra (S)	---	---	---	---	---	---	---	---	63.424
	Total	---	46.413	---	471.549	---	---	---	---	1,241.714

Sl. No.	Name of F Div.	CA/PCA							Total Amount
		Block Plantation							
		Safety zone Plantation				Eco-development of Village (Dalma wild life Sanctuary)			
		Name of Site	Area (K.M.)	Unit	Amount	Name of Site	Area (No)	Amount	
1	2	18	19	20	21	22	23	24	25
13	Hazaribag (E)								15.652
13	Hazaribag (E)								20.152
13	Hazaribag (E)								61.247
13	Hazaribag (E)								36.061
13	Hazaribag (E)								58.852
13	Hazaribag (E)								39.038
13	Hazaribag (E)								39.038
13	Hazaribag (E)								55.834
13	Hazaribag (E)								55.834
	Total								381.710
14	Hazaribag (W)								37.227
14	Hazaribag (W)								21.562
14	Hazaribag (W)								51.969
14	Hazaribag (W)								52.291
14	Hazaribag (W)								60.637
14	Hazaribag (W)								60.930
14	Hazaribag (W)								92.165
14	Hazaribag (W)								37.227
14	Hazaribag (W)								51.122
14	Hazaribag (W)								22.681
14	Hazaribag (W)								3.871
14	Hazaribag (W)								11.242
14	Hazaribag (W)								44.598
14	Hazaribag (W)								2.514
14	Hazaribag (W)								38.826
14	Hazaribag (W)	Barkagaon to Chatra 220 kv Transmission line		187.570	286.735				286.735
	Total			187.570	286.735				875.598

Sl. No.	Name of F Div.	CA/PCA							Total Amount
		Block Plantation							
		Safety zone Plantation				Eco-development of Village (Dalma wild life Sanctuary)			
		Name of Site	Area (K.M.)	Unit	Amount	Name of Site	Area (No)	Amount	
1	2	18	19	20	21	22	23	24	25
15	Koderma	---	---	---	---	---	---	---	---
	Total	---	---	---	---	---	---	---	---
16	Chaibasa	---	---	---	---	---	---	---	147.502
	Total	---	---	---	---	---	---	---	147.502
17	Jamshedpur	---	---	---	---	---	---	---	---
	Total	---	---	---	---	---	---	---	---
18	Kolhan	---	---	---	---	---	---	---	---
	Total	---	---	---	---	---	---	---	---
19	Porahat	---	---	---	---	---	---	---	23.719
19	Porahat	---	---	---	---	---	---	---	41.187
	Total	---	---	---	---	---	---	---	64.906
20	Saraikela	---	---	---	---	---	---	---	30.640
20	Saraikela	---	---	---	---	---	---	---	12.713
20	Saraikela	---	---	---	---	---	---	---	4.749
20	Saraikela	---	---	---	---	---	---	---	5.939
20	Saraikela	---	---	---	---	---	---	---	3.185
20	Saraikela	---	---	---	---	---	---	---	3.289
	Total	---	---	---	---	---	---	---	60.517
21	Saranda	---	---	---	---	---	---	---	---
	Total	---	---	---	---	---	---	---	---
22	Garhwa (N)	---	---	---	---	---	---	---	---
	Total	---	---	---	---	---	---	---	---
23	Garhwa (S)	---	---	---	---	---	---	---	46.409
23	Garhwa (S)	---	---	---	---	---	---	---	46.409
23	Garhwa (S)	---	---	---	---	---	---	---	46.409
	Total	---	---	---	---	---	---	---	139.228
24	Latehar	---	---	---	---	---	---	---	27.835
24	Latehar	---	---	---	---	---	---	---	38.840
24	Latehar	---	---	---	---	---	---	---	38.840
24	Latehar	---	---	---	---	---	---	---	38.840
24	Latehar	---	---	---	---	---	---	---	38.840
24	Latehar	---	---	---	---	---	---	---	32.366
24	Latehar	---	---	---	---	---	---	---	33.661
	Total	---	---	---	---	---	---	---	249.221

Sl. No.	Name of F Div.	CA/PCA						Total Amount	
		Block Plantation							
		Safety zone Plantation			Eco-development of Village (Dalma wild life Sanctuary)				
		Name of Site	Area (K.M.)	Unit	Amount	Name of Site	Area (No)		Amount
1	2	18	19	20	21	22	23	24	25
25	Medininagar								68.431
25	Medininagar								9.793
25	Medininagar								6.436
25	Medininagar								32.074
25	Medininagar								13.714
25	Medininagar								41.179
25	Medininagar								14.807
25	Medininagar								7.113
25	Medininagar								9.517
	Total								203.064
26	Gumla								2.669
26	Gumla								10.707
26	Gumla								48.792
26	Gumla								5.810
26	Gumla								56.611
26	Gumla								39.739
26	Gumla								33.929
26	Gumla								45.363
26	Gumla								62.234
26	Gumla								45.363
26	Gumla								45.363
26	Gumla								56.611
	Total								453.189
27	Khunti								96.877
27	Khunti								51.397
27	Khunti								56.978
	Total								205.252
28	Lohardaga								
	Total								
29	Ranchi								71.161

Sl. No.	Name of F Div.	CA/PCA							Total Amount
		Block Plantation							
		Safety zone Plantation				Eco-development of Village (Dalma wild life Sanctuary)			
		Name of Site	Area (K.M.)	Unit	Amount	Name of Site	Area (No)	Amount	
1	2	18	19	20	21	22	23	24	25
29	Ranchi	---	---	---	---	---	---	---	24.633
29	Ranchi	---	---	---	---	---	---	---	12.414
29	Ranchi	---	---	---	---	---	---	---	62.985
	Total	---	---	---	---	---	---	---	171.193
30	Simdega	---	---	---	---	---	---	---	---
	Total	---	---	---	---	---	---	---	---
31	PTR. (N)	---	---	---	---	---	---	---	---
	Total	---	---	---	---	---	---	---	---
32	PTR. (S)	---	---	---	---	---	---	---	22.970
32	PTR. (S)	---	---	---	---	---	---	---	---
	Total	---	---	---	---	---	---	---	22.970
33	Hbag Wildlife	---	---	---	---	---	---	---	---
	Total	---	---	---	---	---	---	---	---
34	Ranchi Wildlife	---	---	---	---	---	---	---	---
	Total	---	---	---	---	---	---	---	---
35	Ele. Proj, JSR	---	---	---	---	---	1	1,000.000	1,000.000
	Total	---	---	---	---	---	1	1,000.000	1,000.000
	Grand Total	---	46.413	279.570	910.842	---	1	1,000.000	8,548.170

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Jharkhand CAMPA

CA/PCA - Completion and Maintenance work during 2023-24

ANNEXURE -2

(Rs. in lakh)

Sl. No.	Name of F. Div.	CA/ PCA (Completion work)											CA/PCA (Maintenance work)													
		Completion work of Block Plantation (2nd Year work)				Completion work of Linear Plantation (2nd Year work)				Completion work of Silviculture (2nd Year work)			Maintenance of Block Plantation (3rd Year work)				Maintenance of Linear Plantation (3rd Year work)				Maintenance of Silviculture (3rd Year work)					
		Forest Land		Non-Forest Land		Length (Km)			Gabion (No.)		Area (ha)	Amount	Area (ha)	Amount	Forest Land		Non-Forest Land		Length (Km)			Gabion (No.)		Area (ha)	Amount	
		Area (ha)	Amount	Area (ha)	Amount	Length (km)	Unit	Amount	No.	Amount					Area (ha)	Amount	Area (ha)	Amount	Length (km)	Unit	Amount	No. (gab)	Amount			
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24					
1	Bokaro	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
2	Dhanbad	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
3	Giridih (East)	---	---	---	---	25.534	188.000	79.119	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
4	Giridih (West)	84.464	45.653	---	---	4.940	52.000	21.884	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
5	Ramgarh	616.392	330.452	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
6	Deoghar	24.133	12.909	---	---	2.580	---	5.863	1,000	7.265	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
7	Dumka	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8	Godda	134.000	67.050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
9	Jamtara	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
10	Pakur	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
11	Sahibganj	9.300	5.719	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
12	Chatra (N)	124.000	64.706	---	---	11.973	119.730	50.388	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
13	Chatra (S)	610.000	321.184	---	---	61.960	365.000	202.695	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
14	Hbag (East)	58.350	20.999	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
15	Hbag (West)	619.420	238.576	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
16	Koderma	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
17	Chaibasa	103.000	32.989	---	---	---	---	---	---	---	200.000	22.710	12.582	5.371	0.405	1.710	---	---	---	---	---	---	---	200.000	6.570	
18	Jamshedpur	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
19	Kolhan	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
20	Porahat	---	---	28.160	16.045	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
21	Saraikela	10.500	7.535	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
22	Saranda	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
23	Garhwa (N)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
24	Garhwa (S)	266.000	140.560	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
25	Latehar	197.000	77.544	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
26	Medininagar	100.000	53.140	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
27	Gumla	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
28	Khunti	338.024	178.981	3.497	2.923	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
29	Lohardaga	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
30	Ranchi	64.500	34.795	---	---	22.090	83.040	34.947	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
31	Simdega	217.000	75.424	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
32	PTR North	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Grand Total	3,576.083	1,708.215	31.657	18.968	129.077	807.770	394.895	1,000	7.265	200.000	22.710	2,798.598	596.995	404.235	126.162	72.048	527.410	213.825	18,690	112.239	410.000	13.469			

Sl. No.	Name of F. Div.	CA/PCA (Maintenance work)																							
		Maintenance of Block Plantation (4th Year work)				Maintenance of Linear Plantation (4th Year work)				Maintenance of Silviculture (4th Year work)		Maintenance of Block Plantation (5th Year work)		Maintenance of Linear Plantation (5th Year work)					Maintenance of Block Plantation (6th Year work)						
		Forest Land		Non-Forest Land		Length (Km/Unit)			Gabion (No.)		Area (ha)	Amount	Forest Land		Length (Km/Unit)			Gabion (No.)		Forest Land		Non Forest Land			
		Area (ha)	Amount	Area (ha)	Amount	Length (km)	Unit	Amount	No. (gab)	Amount			Area (ha)	Amount	Length (km)	Unit	Amount	No. (gab)	Amount	Area (ha)	Amount	Phy (ha)	Amount		
1	2	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46		
1	Bokaro	241.000	48.454	---	---	---	---	---	---	---	---	---	556.670	88.149	---	---	---	---	---	875.110	32.850	---	---		
2	Dhanbad	---	---	---	---	---	---	---	---	---	---	---	16.900	5.575	---	---	---	---	---	768.000	37.778	---	---		
3	Giridih (East)	805.589	159.623	---	---	31.470	183.000	80.675	---	---	---	---	70.000	11.128	---	---	---	---	---	---	---	---	---		
4	Giridih (West)	16.962	3.897	---	---	---	---	---	---	---	---	---	---	---	30.000	---	42.525	---	---	---	---	---	---		
5	Ramgarh	18.038	4.040	---	---	---	---	---	---	---	---	---	49.411	13.265	---	---	---	---	---	189.224	13.140	---	---		
6	Deoghar	450.046	97.589	---	---	15.512	121.742	46.580	---	---	---	---	461.000	90.388	---	---	---	---	---	99.546	9.855	2.020	1.643		
7	Dumka	120.000	22.726	15.463	6.983	1.858	20.640	7.897	720	4.226	---	---	24.510	6.606	5.076	56.410	7.368	---	---	---	---	---	---		
8	Godda	357.000	72.394	---	---	---	---	---	---	---	---	---	597.000	94.034	---	---	---	---	---	---	---	---	---		
9	Jamtara	5.750	2.407	---	---	---	---	---	---	---	---	---	32.840	9.377	1.776	21.000	2.743	---	---	---	---	---	---		
10	Pakur	---	---	---	---	---	---	---	---	---	---	---	22.000	5.331	---	---	---	---	---	---	---	---	---		
11	Sahibganj	24.000	4.832	---	---	11.232	48.000	18.365	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
12	Chatra (N)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
13	Chatra (S)	120.000	19.233	---	---	---	---	---	---	---	---	---	72.000	11.399	---	---	---	---	---	341.810	11.498	---	---		
14	Hbag (East)	22.000	3.438	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	117.560	3.285	---	---		
15	Hbag (West)	486.140	66.876	---	---	11.000	---	7.816	---	---	---	---	52.575	10.299	2.000	---	2.835	---	---	684.460	36.135	---	---		
16	Koderma	---	---	---	---	17.500	---	12.434	---	---	160.000	5.256	---	---	10.000	---	14.175	---	---	4.000	1.643	---	---		
17	Chaibasa	25.000	4.965	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
18	Jamshedpur	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	60.000	1.643	---	---		
19	Kolhan	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
20	Porahat	72.000	12.958	---	---	---	---	---	---	---	---	---	25.000	5.030	---	---	---	---	---	37.360	1.643	---	---		
21	Saraikeela	28.860	3.998	---	---	---	---	---	---	---	---	---	75.531	24.763	---	---	---	---	---	---	---	---	---		
22	Saranda	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25.000	1.643	---	---		
23	Garhwa (N)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	119.515	6.570	---	---		
24	Garhwa (S)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
25	Latehar	200.000	26.177	---	---	---	---	---	---	---	---	---	50.000	6.293	---	---	---	---	---	---	---	29.320	1.643		
26	Medininagar	---	---	---	---	---	---	---	---	---	---	---	597.790	107.281	4.381	43.813	5.722	---	---	---	---	171.080	9.855		
27	Gumla	76.510	14.300	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	12.000	1.643	---	---		
28	Khunti	46.000	9.398	---	---	---	---	---	---	---	---	---	31.266	7.522	---	---	---	---	---	46.000	3.285	18.960	1.643		
29	Lohardaga	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3.280	1.643	20.008	3.285		
30	Ranchi	26.500	5.164	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	29.000	1.643	---	---		
31	Simdega	70.000	8.998	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
32	PTR North	98.000	14.568	---	---	---	---	---	---	---	2,000.000	65.700	---	---	---	---	---	---	30,400	86.640	34.000	1.643	---		
	Grand Total	3,309.395	606.033	15.463	6.983	88.572	373.382	173.767	720	4.226	2,160.000	70.956	2,734.493	496.438	53.233	121.223	75.368	30,400	86.640	3,445.865	167.535	241.388	18.068		

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Sl. No.	Name of F. Div.	CA/PCA (Maintenance work)														Total Amount
		Maintenance of Linear Plantation (6th Year work)			Maintenance of Block Plantation (7th Year work)				Maintenance of Linear Plantation (7th Year work)				Maintenance of Linear Plantation (8th Year work) (Previous Year due F.Y 2021-22)			
		Length (Km/Unit)			Forest Land		Non Forest Land		Length (Km/Unit)			Gabion (No.)		Gabion (No.)		
		Length (Km)	Unit	Amount	Area (ha)	Amount	Phy (ha)	Amount	Length (km)	Unit	Amount	Number (gab)	Amount	Number (gab)	Amount	
1	2	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61
1	Bokaro	---	---	---	483.920	19.710	---	---	---	---	---	---	---	---	---	305.650
2	Dhanbad	---	---	---	77.000	4.928	20.360	3.285	---	---	---	---	---	---	---	55.340
3	Giridih (East)	---	---	---	212.350	13.140	---	---	---	---	---	---	---	---	---	453.916
4	Giridih (West)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	128.259
5	Ramgarh	---	---	---	125.000	8.213	---	---	---	---	---	---	---	---	---	430.812
6	Deoghar	---	---	---	170.000	9.855	---	---	1.210	0.490	---	---	---	---	---	307.534
7	Dumka	---	---	---	---	---	---	---	---	---	---	---	---	1,73,666	45.217	101.023
8	Godda	---	---	---	---	---	---	---	---	---	---	---	---	---	---	256.832
9	Jamtara	---	---	---	3.460	3.285	---	---	2.237	0.906	---	---	---	---	---	18.718
10	Pakur	---	---	---	20.000	1.643	---	---	---	---	---	---	---	---	---	6.974
11	Sahibganj	---	---	---	---	---	---	---	---	---	---	---	---	---	---	28.917
12	Chatra (N)	17.827	178.270	9.627	---	---	---	---	---	---	---	---	---	---	---	124.720
13	Chatra (S)	---	---	---	83.080	4.928	---	---	4.230	29.383	1.587	---	---	---	---	705.072
14	Hbag (East)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	38.622
15	Hbag (West)	25.000	---	10.125	230.000	11.498	---	---	4.000	1.620	---	---	---	---	---	482.292
16	Koderma	2.000	---	0.810	---	---	---	---	---	---	---	500	1.425	---	---	72.103
17	Chaibasa	---	---	---	---	---	---	---	---	---	---	---	---	---	---	44.063
18	Jamshedpur	---	---	---	---	---	---	---	---	---	---	---	---	---	---	276.042
19	Kolhan	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
20	Porahat	---	---	---	62.720	4.928	---	---	---	---	---	---	---	---	---	40.603
21	Saraikela	---	---	---	---	---	---	---	---	---	---	---	---	---	---	67.377
22	Saranda	---	---	---	---	---	---	---	---	---	---	---	---	---	---	18.193
23	Garhwa (N)	---	---	---	60.000	1.643	---	---	---	---	---	---	---	---	---	11.513
24	Garhwa (S)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	152.137
25	Latehar	---	---	---	47.950	1.643	---	---	---	---	---	---	---	---	---	130.729
26	Medininagar	---	---	---	---	---	---	---	---	---	---	---	---	---	---	175.998
27	Gumla	---	---	---	13.550	1.643	105.390	8.213	---	---	---	---	---	---	---	25.798
28	Khunti	---	---	---	---	---	---	---	---	---	---	---	---	---	---	203.751
29	Lohardaga	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4.928
30	Ranchi	---	---	---	---	---	---	---	---	---	---	---	---	---	---	105.009
31	Simdega	---	---	---	15.330	1.643	---	---	---	---	---	---	---	---	---	174.346
32	PTR North	---	---	---	---	---	---	---	---	---	---	---	---	---	---	145.486
	Grand Total	44.827	178.270	20.562	1,604.360	88.695	125.750	11.498	11.677	29.383	4.603	500	1.425	1,73,666	45.217	5,092.755

Jharkhand CAMPA

Name of sites and GPS Co-ordinates of CA/PCA (4th Year Maintenance) activities during 2023-24

Sl. No.	Name of F. Div.	Forest Land Pl. 4th Year			
		Name of Site	Area (ha)	GPS Co-ordinates	
				Latitude	Longitude
1	2	3	4	5	6
1	Bokaro	Pokharia	210.000	23° 54' 41"	85° 56' 01"
		Tengikudar	15.000	23° 30' 38.45"	86° 57' 19.23"
		Telmatia, Baradih	20.000	23° 28' 12.9"	86° 28' 12.9"
		Tand Baridih	38.000	23° 31' 01.98"	86° 01' 20.98"
		Radhanagar	30.000	23° 36' 31.33"	86° 05' 21.33"
		Honhe	40.000	23° 42' 33.20"	85° 36' 42.43"
		Barkipunnu	60.000	23° 42' 19"	85° 41' 17"
		Hadargadda	40.000	23° 40' 54"	85° 39' 21"
		Nasia	80.000	23° 47' 31"	86° 05' 00"
		Taratand	23.670	23° 51' 28"	86° 01' 29"
		Total	556.670		
2	Dhanbad	Charak Kala	13.300	24° 02' 155'	86° 23' 884'
		Jagdish, Pradhankatna	3.600	23° 46' 16.78"	86° 31' 45.32"
		Total	16.900		
3	Giridih (East)	Kharkhando	70.000	24° 12' 1.84"	85° 59' 57.59"
		Total	70.000		
4	Ramgarh	Hesalong	5.590	23° 41' 24"	85° 24' 38"
		Ratwe	15.091	23° 40' 22"	85° 35' 03"
		Talatand	18.730	23° 35' 26"	85° 16' 38"
		Deoria	10.000	23° 02' 20"	85° 31' 24"
		Total	49.411		
5	Deoghar	Dharampur	36.000	24° 27' 08"	86° 30' 52"
		Khirwatari Mundamundi	25.000	24° 42' 15.04"	86° 61' 13.58"

Sl. No.	Name of F. Div.	Forest Land Pl. 4th Year			
		Name of Site	Area (ha)	GPS Co-ordinates	
				Latitude	Longitude
1	2	3	4	5	6
9	Pakur	Dhangarha	15.000	24° 47' 160'	87° 38' 120'
		Kadwa	7.000	24° 37' 240'	87° 31' 180'
		Total	22.000		
10	Chatra (S)	Sarheta	72.000	24° 13' 00.82"	85° 06' 50.08"
		Total	72.000		
11	Hbag (West)	Guttu	50.000	23° 50' 21.41"	85° 11' 17.74"
		Bigha	2.575	24° 23' 34.93"	85° 13' 41.72"
		Total	52.575		
12	Porahat	Parsabahal, Bangrasai	25.000	22° 40' 385"	85° 31' 413"
		Total	25.000	22° 41' 973"	85° 30' 968"
13	Saraikela	Gutubera	7.400	22° 50' 26"	86° 03' 01"
		Sahebganj	3.704	22° 50' 03"	86° 02' 50"
		Gopinathpur	6.101	22° 50' 03"	86° 02' 50"
		Mundakati	23.270	22° 48' 5.86"	86° 07' 28.06"
		Asangi	2.076	22° 48' 5.86"	22° 07' 28.06"
		Saharbera	10.000	22° 56' 30.777"	86° 02' 35.382"
		Puriyara	22.980	23° 02' 36.198"	86° 06' 31.198"
		Total	75.531		
14	Latehar	Soparam	50.000	23° 48' 15.87"	84° 46' 48.98"
		Total	50.000		
15	Medininagar	Khaira	37.450	24° 12' 51"	84° 25' 28"
		Kuhkuh Kalan	3.080	24° 21' 14"	84° 20' 39"
		Kuhkuh Khurd	13.760	24° 21' 22"	84° 21' 16"

Sl. No.	Name of F. Div.	Forest Land Pl. 4th Year			
		Name of Site	Area (ha)	GPS Co-ordinates	
				Latitude	Longitude
		Manjhladih	24.000	24° 11' 08"	86° 46' 52"
		Dubrajpur	9.000	24° 33' 845"	86° 54' 0417"
		Harla	7.000	24° 14' 22"	86° 33' 02"
		Dunduwajori	8.000	24° 06' 0"	86° 50' 53"
		Bhikhnadih	45.000	24° 21' 04"	86° 30' 49"
		Trilokitand	35.000	24° 21' 08"	86° 29' 51"
		Mohnadih	60.000	24° 33' 36"	86° 47' 34.79"
		Bhatubadi	11.060	24° 37' 79.05"	86° 40' 58"
		Bisunpur/Babudih	38.940	24° 37' 79.05"	86° 22' 25"
		Ranganiya Tand	10.000	24° 25' 14"	86° 27' 46"
		Darnga	50.000	24° 22' 37"	86° 58' 51"
		Paharpur	15.000	24° 17' 33"	86° 32' 23"
		Ledhwa	50.000	24° 32' 3211"	86° 51' 4024"
		Lamba	12.000	24° 23' 06"	86° 29' 49"
		Bedmukka	25.000	24° 23' 14"	86° 29' 03"
	Total		461.000		
6	Dumka	Astjora	16.300	24°02'1.92"	87°22'37.98"
		Nakti	8.210	24°18'16.79"	87°16'25.21"
	Total		24.510		
7	Godda	Chhota Shaharpur	177.640	25°03'39.2"	87°21'33.5"
		Chhota Shaharpur	144.470	24°41'04.09"	87°05'08.09"
		Chhota Shaharpur	136.000	24°41'05.08"	87°05'09.07"
		Chhota Shaharpur	44.190	25°41'02.06"	87°05'06.08"
		Chhota Shaharpur	27.000	25°41'03.07"	87°05'07.06"
		Chhota Shaharpur	10.000	25°41'04.09"	87°05'08.09"
		Chhota Shaharpur	7.700	25°41'06.09"	87°05'09.08"
		Salpatra	50.000	25°42'07.09"	87°07'08.08"
	Total		597.000		
8	Jamtara	Bhursimal	9.770	24° 05.584"	87° 01.683"
		Chotasunsundbra	13.220	24° 09.684"	86° 73.666"
		Tarra	9.850	23° 53.46"	86° 56.5"
	Total		32.840		

Sl. No.	Name of F. Div.	Forest Land Pl. 4th Year			
		Name of Site	Area (ha)	GPS Co-ordinates	
				Latitude	Longitude
		Turiadih	6.960	24° 16' 27"	84° 26' 17"
		Kharikdag	31.510	24° 16' 48"	84° 26' 42"
		Birbir	31.080	23° 55' 00"	84° 29' 20"
		Bhawardah	9.550	23° 00' 33"	84° 20' 14"
		Khaira	14.400	24° 12' 51"	84° 25' 28"
		Gogad	50.000	24° 02' 23"	84° 21' 41"
		Getha	50.000	24° 00' 28"	84° 17' 13"
		Nawagarh	50.000	23° 59' 47"	84° 26' 41"
		Sohgada	50.000	23° 59' 40"	84° 16' 00"
		Hutar	50.000	23° 49' 00"	84° 02' 36"
		Mayapur	50.000	23° 48' 52"	84° 01' 24"
		Chunga (Basdih)	50.000	23° 53' 08"	84° 05' 24"
		Teldiha	100.000	24° 06' 06"	84° 18' 07"
	Total		597.790		
16	Khunti	Nuridih	14.000	23°5'9.2144"	085°39'4.3649"
		Nuridih	17.266	23°4'54.433"	085°38'55.312"
	Total		31.266		

Sl. No.	Name of F. Div.	Silviculture Yr. 4th			
		Name of Site	Area (ha)	GPS Co-ordinates	
				Latitude	Longitude
1	2	3	4	5	6
1	Koderma	Araiya, Parsabad	70.000	24° 34.17.11"	85°49'59.42"
				24° 28'11"	85°50'30"
	Total		70.000		

Sl. No.	Name of F. Div.	Linear Plantation Maint 4th Year					Gabion (No.) 4th Year			
		Name of Site	Area		GPS Co-ordinates		Name of Site	No. (gab)	GPS Co-ordinates	
			Length (km)	Unit	Latitude	Longitude			Latitude	Longitude
1	2	3	4	5	6	7	8	9	10	11
1	Giridih (West)	Remba to Dwarpahari	30.000	---	24°15'59.69"	86°08'44.43"	---	---	---	---
	Total		30.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	Dumka	Ranga - Telgani	3.904	43.380	24°88'56.01" 24°21'51.53"	87°31'47.25" 87°26'32.35"	---	---	---	---
		Ghormundi - Daldali	1.172	13.030	24°09'17.253" 24°19'20.263"	87°26'32.35" 87°13'14.435"	---	---	---	---
	Total		5.076	56.410	0.000	0.000	0.000	0.000	0.000	0.000
3	Jamtara	Raidih - Murgabani	1.776	21.000	24°94.574" 24°03'108"	86°65'157" 86°74'094"	---	---	---	---
	Total		1.776	21.000	0.000	0.000	0.000	0.000	0.000	0.000
4	Hbag (West)	Garukurha to Manjgawan under Padma to Hazaribag rly. line	2.000	---	24°12'41.31" 24°12'45.63"	85°17'31.45" 85°18'1.92"	---	---	---	---
	Total		2.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	Koderma	Along with Koderma - Giridih Rly. Line	10.000	---	24° 27'46.77"	85° 39'45.31"	---	---	---	---
	Total		10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	Chaibasa	---	---	---	---	---	Dakua jungle-Burakaman Path	610	22°10'2.47"	85°38'8.70"
	Total		0.000	0.000	0.000	0.000	0.000	610.000	0.000	0.000
8	Simdega	---	---	---	---	---	Bansjor to Kumbakera	2,000	22° 25' 37.91"	84° 28' 13.41"
		---	---	---	---	---	Tamra to Kuruskela	2,000	22° 40' 55"	84° 44' 10"
		---	---	---	---	---	Kerya to Kurkura	1,200	22° 27' 02.51"	84° 28' 41.43"
		---	---	---	---	---	Garja to Kharwagarh	1,200	22° 36' 90.48"	84° 36' 90.48"
		---	---	---	---	---	Ghumatanr to Ghattari	1,200	22° 26' 57.80"	84° 26' 11.78"
		---	---	---	---	---	Jaldega to Gamgutoli	2,000	22° 30' 43.73"	84° 33' 29.25"
		---	---	---	---	---	Dadibera to Jampani	2,000	22° 35' 59.59"	84° 42' 47.10"
		---	---	---	---	---	Dharamshala to Jampani	2,000	22° 30' 44.59"	84° 34' 21.11"
		---	---	---	---	---	Kamlapani to Gangutoli	2,000	22° 36' 11.61"	84° 39' 08.36"
		---	---	---	---	---	Orga to Dumarmunda	2,000	22° 27' 46.12"	84° 55' 05.42"

Sl. No.	Name of F. Div.	Linear Plantation Maint 4th Year					Gabion (No.) 4th Year			
		Name of Site	Area		GPS Co-ordinates		Name of Site	No. (gab)	GPS Co-ordinates	
			Length (km)	Unit	Latitude	Longitude			Latitude	Longitude
		---	---	---	---	---				
						Dumarmunda to Girda	2,000	22° 28' 27.51"	84° 57' 27.43"	
						Hurda to Girda	2,000	22° 30' 05.8"	84° 02' 44.69"	
						Ghatbazar to Hurda	2,000	22° 32' 12.63"	84° 03' 58.05"	
						Rengari Paikpara to Garhatoli	2,000	22° 33' 7.43"	84° 20' 30.11"	
						Konmenjra to Baghchatta	2,400	22° 34' 42"	84° 27' 11"	
						Salgapoch to Bolba	2,400	22° 26' 26"	84° 24' 20"	
	Total		0.000	0.000	0.000	0.000	30400.000	0.000	0.000	

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Jharkhand CAMPA

Name of sites and GPS Co-ordinates of CA/PCA (5th Year Maintenance) activities during 2023-24

Sl. No.	Name of F. Div.	Forest Land Pl. 5th Year			
		Name of Site	Area (ha)	GPS Co-ordinates	
				Latitude	Longitude
1	2	3	4	5	6
1	Bokaro	Bagiari	50.000	23°40'56.81"	85°50'37.83"
		Nawadih	50.000	23°37'31.7"	85°11'52.9"
		Hardi Haridih	50.000	23°54'04.8"	86°00'46.0"
		Beldih	35.000	23°47'19.3"	86°04'43.0"
		Gadke	13.120	23°50'13"	85°50'33"
		Penk	50.000	23°55'34"	85°53'05"
		Gopo	50.000	23°39'48.56"	85°40'02.16"
		Palamau	30.000	23°42'16.92"	85°39'12.12"
		Nurra	20.000	23°40'56.81"	85°50'37.83"
		Mungo	38.110	23°37'39.51"	86°14'21.70"
		Putkadih	30.000	23°56'58.32"	85°54'42.08"
		Dhawaiya	40.000	23°51'12.6"	86°04'29.44"
		Pokharia	67.880	23°52'58.22"	85°52'47.43"
		Penk	60.000	23°40'46.76"	85°42'22.67"
			Tengachuan	40.000	23°40'42.32"
	Total	624.110			
2	Dhanbad	Kenjiyapahar	40.000	23°49'45.95"	86°46'09.49"
		Gogna, Dulalsol	40.000	23°47'24.6"	86°46'37.36"
		Nawatanr	35.000	23°00'51.86"	86°20'39.30"
		Ladwadih, Jhagrahi	14.000	23°49'50.76"	86°15'26.12"
		Jarma	30.000	23°43'10.40"	86°22'02.49"

Sl. No.	Name of F. Div.	Forest Land Pl. 5th Year			
		Name of Site	Area (ha)	GPS Co-ordinates	
				Latitude	Longitude
1	2	3	4	5	6
7	Hazaribag (West)	Perheriya	15.000	N 23°56'32.88"	E 85°18'14.82"
		Maskedih	100.000	N 24°16'22.79"	E 85°48'53.58"
		Talaswar	28.300	N 23°47'21.50"	E 85°15'38.78"
		Gosainbaliyan	12.480	N 23°47'59.52"	E 85°15'59.82"
		Gudio	20.000	N 24°18'21.0"	E 85°33'39.4"
		Garukurha	82.000	N 24°12'50.20"	E 85°18'59.87"
		Barion	31.000	N 24°04'11.04"	E 85°21'18.34"
		Pabra	34.000	N 24°15'26.55"	E 85°48'26.18"
		Cahtro	39.000	N 24°15'21.91"	E 85°31'50.21"
		Sevatanr	50.000	N 24°16'38.53"	E 85°43'24.61"
		Deochanda	65.000	N 24°16'27.11"	E 85°23'22.01"
		Digwar/ Maskedih	33.430	N 24°08'48"	E 85°38'23"
				N 24°08'59"	E 85°37'52"
		Nawadih, Tetariya, Chamudohar	33.790	N 24°16'31"	E 85°47'56"
				N 24°16'37"	E 85°47'55"
		Gangahar, Debo	75.000	N 24°19'28.90"	E 85°19'53.89"
				N 24°24'24.97"	E 85°23'26.66"
		N 24°24'24.07"	E 85°23'28.14"		
	Bigha	2.250	N 24°23'34.93"	E 85°13'41.72"	
	Bigha	8.310	N 24°23'34.93"	E 85°13'41.72"	
	Bigha	23.900	N 24°23'34.93"	E 85°13'41.72"	
	Bigha	5.220	N 24°23'34.93"	E 85°13'41.72"	
	Bigha	1.350	N 24°23'34.93"	E 85°13'41.72"	
	Bigha	2.460	N 24°23'34.93"	E 85°13'41.72"	
	Bigha	5.150	N 24°23'34.93"	E 85°13'41.72"	

Sl. No.	Name of F. Div.	Forest Land Pl. 5th Year			
		Name of Site	Area (ha)	GPS Co-ordinates	
				Latitude	Longitude
		Lakrapahari	28.000	23°52'29.13"	86°43'13.94"
		Kadwara, Chinapahari, Mahuadab	50.000	23°59'45.79" 23°59'46.97" 23°59'52.06"	86°22'34.57" 86°22'24.85" 86°21'47.15"
		Kenduatand, Karitand, Arwatand	40.000	24°00'42.23" 24°00'42.50" 23°59'49.52"	86°24'15.30" 86°24'26.99" 86°23'59.91"
		Bhagudih, Badanagpur	28.000	23°59'27" 23°59'03.25"	86°25'22" 86°25'10.80"
		Patehpur	29.000	24°01'37.53" 24°01'29.70"	86°22'29.72" 86°22'27.95"
		Ranjeetpur, Babhanbad	50.000	23°52'07" 23°52'21"	86°35'29" 86°35'51"
		Kenduatand	30.000	23°53'55"	86°34'29"
		Meranwatand	24.000	23°55'57"	86°36'23"
		Daldali	29.000	23°58'42.85"	86°33'32.18"
		Topchanchi	30.000	23°54'33"	86°11'25"
		Dagdho	40.000	23°47'39.39"	86°09'46.12"
		Kudamo	50.000	23°53'01"	86°12'14.79"
		Sadhobad, Chutiyaro	25.000	23°52'45.06" 23°53'25.23"	86°22'06.80" 86°21'35.84"
		Parwatpur, Basaha	26.000	23°56'49.77" 23°56'56.62"	86°27'04.43" 86°27'27.32"
		Laghata	25.000	23°50'25.48"	86°46'10.10"
		Madandih, Dombhul	30.000	23°49'54.42" 23°49'42.96"	86°45'52.52" 86°45'45.12"
		Dhangi	40.000	23°48'14.89"	86°29'42.08"
		Chaita	35.000	23°51'13.68"	86°01'53.75"
	Total		768.000		
3	Ramgarh	Sudi	34.664	23°36'48"	85°23'33"
		Orla	7.570	23°42'48"	85°28'36"
		Govindpur	39.250		
		Kanki	30.000	23°44'18"	85°23'57"
		Kirigarha	25.000	23°40'34"	85°16'35"

Sl. No.	Name of F. Div.	Forest Land Pl. 5th Year			
		Name of Site	Area (ha)	GPS Co-ordinates	
				Latitude	Longitude
		Bigha	16.820	N 24°23'34.93"	E 85°13'41.72"
	Total		684.460		
8	Koderma	Naitanr	4.000	24° 30.37.95"	85°42'18.55"
	Total		4.000		
9	Jamshedpur	Paharpur, Churiapahar, Murakati	60.000	22°17'54.02" 22°18'08.4" 22°18'0.5"	85°36'15.6" 85°36'15.6" 85°36'07.5"
	Total		60.000		
10	Porahat	Kurjuli (Songra - 12)	37.360	22°40'564"	85°29'445"
	Total		37.360		
11	Saranda	RF Samta 02	25.000	22°17'16.96" 22°17'15.21"	85°08'33.09" 85°08'41.64"
	Total		25.000		
12	Garhwa (N)	Ghordag	42.640	24°24'06.0"	83°43'02.0"
		Mirchaiya	36.000	24°06'48.2"	83°29'18.6"
		Bhojpur	36.000	24°18'10.31"	83°31'40.76"
		Ghordag	4.875	24°24'06.0"	83°43'02.0"
	Total		119.515		
13	Gumla	Charkatanger	12.000	23°01'52.63"	85°46'35.35"
	Total		12.000		
14	Khunti	Barenda	28.000	23°12'066"	85°47'894"
		Piskatoli	18.000	22°58'3.1"	85°23'55.4"
	Total		46.000		
15	Lohardaga	Jhaljmirra	3.280	23°20'51.52"	84°41'57.27"
	Total		3.280		
16	Ranchi	Piperbanda/ Bargaibanda/ Baghin Banda	29.000	23°25'18"	85°23'45"
	Total		29.000		

Sl. No.	Name of F. Div.	Forest Land Pl. 5th Year			
		Name of Site	Area (ha)	GPS Co-ordinates	
				Latitude	Longitude
		Pali	10.000	23°36'09"	85°23'21"
		Batuka	20.000	23°38'19"	85°12'43"
		Digwar	22.740	23°41'16"	85°32'13"
	Total		189.224		
4	Deoghar	Tumbo	10.000	24°44'15.21"	86°02'02.14"
		Bhirkhibad	9.546	24°17'37.35"	86°30'30.59"
		Jhundi	20.000	24°22'55.94"	86°34'59.32"
		Phulkari	10.000	24°21'29.64"	86°34'19.24"
		Jalwe Pahar	30.000	24°21'29.64"	86°34'19.24"
		Jumarbad	20.000	24°24'47.67"	86°34'26.90"
	Total		99.546		
5	Chatra (S)	Barta	73.000	24°00'18.16"	84°46'50.91"
		Pokla 1	25.500	24°05'44.59"	84°58'48.60"
		Pokla 2	25.500	24°10'15.56"	84°49'24.92"
		Kadamdiri	72.000		
		Daridag	49.360	23°58'26.96"	84°59'39.53"
		Dhangadda	50.000	23°59'49.96"	84°58'02.09"
		Karo	46.450	23°44'23.72"	85°03'51.53"
	Total		341.810		
6	Hbag (East)	Dhankitanr	60.000	23°59'48.14"	85°32'21.33"
		Hesla	57.560	24°02'58.82"	85°52'21.38"
	Total		117.560		

Sl. No.	Name of F. Div.	Forest Land Pl. 5th Year			
		Name of Site	Area (ha)	GPS Co-ordinates	
				Latitude	Longitude
17	Simdega	Bansjor	34.000	22°25'892"	84°43'225"
	Total		34.000		

Sl. No.	Name of F. Div.	Non Forest Land Pl. Yr. 5			
		Name of Site	Area (ha)	GPS Co-ordinates	
				Latitude	Longitude
1	Deoghar	Tilaiya	2.020	24°36'48.08"	86°46'59.11"
	Total		2.020		
2	Latehar	Kutmu	29.320	23°50'46.04"	83°19'22.6"
	Total		29.320		
4	Khunti	Oskeya	18.960	22°58'3.1"	85°23'55.4"
	Total		18.960		
5	Lohardaga	Nini	13.450	23°31'58.53"	84°40'43.70"
		Jhaljamira	6.558	23°20'32.21"	84°41'49.79"
	Total		20.008		

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Sl. No.	Name of F. Div.	Linear Plantation Maint 5th Year			
		Name of Site	Area	GPS Co-ordinates	
			Length (km)	Latitude	Longitude
1	2	3	4	6	7
1	Chatra (N)	Banda to Bengwatari	3.180	24° 19'131"	85°06'026"
	Total		3.180		
2	Hazaribag (West)	Hazaribag to Barkakana rly line from Katkamsandi to Katkamsandi	2.500	N 24° 08'17.82" N 24° 06'39.87"	E 85°12'28.95" 85°11'28.83"
		Hazaribag to Barkakana rly line from Nawada to Kanchanpur	2.500	24° 02'17.53" 24° 01'23.84"	85°16'18.28" 85°17'37.59"
		Hazaribag to Barkakana rly line from Masratu to Pasai	2.500	23° 58'13.86" 23° 58'21.31"	85°19'39.95" 85°18'34.47"
		Hazaribag to Barkakana rly line from Pasai to Banka	2.500	23° 58'21.31" 23° 58'21.00"	85°18'34.47" 85°16'57.37"
		Padma to Hazaribag rly. Line from Bendagi to Barhi	2.500	24° 19'38.62" 24° 18'13.72"	85°25'09.76" 85°24'33.59"
		Padma to Hazaribag rly. Line from Barhi to Dumardih	2.500	24° 18'13.72" 24° 16'51.66"	85°24'33.59" 85°24'0.09"
		Padma to Hazaribag rly. Line from Dumardih to Kedarut	2.500	24° 16'51.66"	85°24'0.09"
		Padma to Hazaribag rly. Line from Kedarut to Padma	2.500	24° 14'48.75" 24° 12'54.66"	85°23'5.83" 85°22'2.24"
		Padma to Hazaribag rly. Line from Padma to Saraiya	2.500	24° 12'54.66" 24° 12'55.26"	85°22'2.24" 85°20'21.41"
		Padma to Hazaribag rly. Line from Saraiya to Nawadih	2.500	24° 12'55.26" 24° 12'23.84"	85°20'21.41" 85°18'12.88"
	Total		25.000		
3	Koderma	Along with Koderma - Giridih Rly. Line	2.000	24° 27.46.77"	85°39'45.31"
	Total		2.000		

Jharkhand CAMPA

Name of sites and GPS Co-ordinates of CA/PCA (6th Year Maintenance) activities during 2023-24

Sl. No.	Name of F. Div.	Forest Land Pl. 6th Year			
		Name of Site	Area (ha)	GPS Co-ordinates	
				Latitude	Longitude
1	2	3	4	5	6
1	Bokaro	Kanjkiro	50.000	23°40'56.81"	85°50'37.83"
		Bhawanipur	3.920	23°37'31.7"	86°11'52.9"
		Potso	50.000	23°54'04.8"	86°00'46.0"
		Galudih	20.000	23°47'19.3"	86°04'43.0"
		Baridari	50.000	23°42'16.92"	85°39'12.12"
		Durgapur	50.000	23°40'56.81"	85°50'37.83"
		Mohanpur, Shakhakudi	50.000	23°37'39.51"	86°14'21.70"
		Kothi	50.000	23°55'23.11"	85°54'33.17"
		Chepro	30.000	23°51'12.6"	86°04'29.4"
		Penk	50.000	23°56'58.32"	85°54'42.08"
		Badakippunnu	50.000	23°40'46.76"	85°42'22.67"
Kunda	30.000	23°40'42.32"	85°38'40.15"		
	Total		483.920		
2	Dhanbad	Thethatanr	25.000	23°01'354"	86°25.182'
		Lukeiya	30.000	23°58'582"	86°30.573'
		Lodhariya	22.000	23°57'423"	86°29.021'
	Total		77.000		
3	Giridih (East)	Gaditanr	30.000	23°31.719"	85°10.852"
		Tilakdih	15.000	23°33.669"	86°09.820"
		Tilakdih	10.000	23°33.669"	86°09.820"
		Golgo-Sumko	55.000	23°31'93.6"	86°10'67.6"
		Chandil A	10.000	23°33'638"	86°12'256"
		Chandil B	10.000	23°33'638"	86°12'256"
		Chandil C	70.000	23°33'638"	86°12'256"
		12.350	23°33'638"	86°12'256"	
	Total		212.350		

Sl. No.	Name of F. Div.	Forest Land Pl. 6th Year			
		Name of Site	Area (ha)	GPS Co-ordinates	
				Latitude	Longitude
1	2	3	4	5	6
7	Pakur	Khaksa	20.000	24°17.528"	87°38'835"
		Total	20.000		
8	Chatra (S)	Kurumdari	40.000	24°00'18.16"	84°46'50.91"
		Ichakkhurd	25.000	24°05'44.59"	84°58'48.60"
		Siram	18.080	24°10'15.56"	84°49'24.92"
	Total		83.080		
9	Hbag (West)	Aplito	35.000	N 240 05'99.10"	E 85080'50.98"
		Lakhna	35.000	240 16'18.9"	E 85036'23.5"
		Lakhna	35.000	240 16'18.9"	E 85036'23.5"
		Lakhna	5.000	N 240 16'18.9"	E 85036'23.5"
		Gudio	30.000	N 240 29'37.83"	E 85054'55.56"
		Parhariya	30.000	N 230 56'32.88"	E 85018'14.82"
		Routra	60.000	N 240 03'10.78"	E 85022'02.73"
	Total		230.000		
10	Porahat	Bandunasa-Raikera	50.000	22°23'13.579"	85°96'45"
		Bari DPF-17, Bera Compt.-38 & Jatisereng	6.892	22°30'20.400"	85°18'33.758"
		Amjharan, Tarisol & ...	5.828	22°29'45.883"	85°16'24.065"
			22°29'36.148"	85°16'1.951"	
			22°31'38.637"	85°23'43.989"	
	Total		62.720		
11	Garhwa (N)	Ghordag	60.000	24°23'43.2"	83°44'53.4"
	Total		60.000		
12	Latehar	Hesla	47.950	23° 35'55.02"	84° 49'29.2"
	Total		47.950		
13	Gumla	Kedli	13.550	23°01'52.63"	85°46'35.35"
	Total		13.550		
14	Simdega	Sarlonga	15.330	22°47'936"	84°32'699"
	Total		15.330		

Sl. No.	Name of F. Div.	Forest Land Pl. 6th Year			
		Name of Site	Area (ha)	GPS Co-ordinates	
				Latitude	Longitude
1	2	3	4	5	6
4	Ramgarh	Hendegarha	30.000	23°51'634"	85°27'937"
		Harhad Kander	30.000	23°30'500"	85°35'469"
		Bhuchungdih	30.000	23°37'067"	85°41'718"
		Baman Sengatu	20.000	23°35'921"	85°48'003"
		Fusri	15.000	23°51'052"	85°28'620"
	Total		125.000		
5	Deoghar	Bhalua	15.000	24°13'31.86"	86°59'58.00"
		Manjihladih	25.000	24°33'33.34"	86°59'43.74"
		Raghunathpur, Chikaniyan	30.000	24°29'10.70"	86°57'58.77"
				24°16'54.58"	86°07'15.88"
		Nakti, Amjora	30.000	24°43'09.67"	86°30'02.55"
				24°59'41.63"	86°25'41.48"
		Kenchuabank	20.000	24°28'38.18"	86°10'11.28"
Basgohra Nawadih	50.000	24°08'15.21"	86°02'25.24"		
			24°51'10.34"	86°02'43.28"	
	Total		170.000		
6	Jamtara	Bishunpur	1.730	24°05.340"	86°74'603"
		Bolberiya	1.730	24°06.942"	86°03'786"
	Total		3.460		

Sl. No.	Name of F. Div.	Forest Land Pl. 6th Year			
		Name of Site	Area (ha)	GPS Co-ordinates	
				Latitude	Longitude
1	2	3	4	5	6
1	Dhanbad	Bastikulhi	8.250	23°54'520"	86°17.502'
		Barwatanr	12.110	24°00'989"	86°24.320'
		Total	20.360		
2	Gumla	Nawgai	10.260	23°10'34.40"	84°09'4.69"
		Nawadih Kataitoli	18.440	23°15'33.68"	84°12'38.17"
		Tati	18.600	23°14'50.66"	84°08'5.28"
		Banai	19.710	22°57'36.18"	84°51'22.38"
		Gindra	38.380	22°59'58.06"	84°88'38.04"
		Total	105.390		

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Sl. No.	Name of F. Div.	Linear Plantation Maint 6th Year				
		Name of Site	Area		GPS Co-ordinates	
			Length (km)	Unit	Latitude	Longitude
1	2	3	4	5	6	7
1	Deoghar	Deoghar - Dumka Rly. Line	1.210	---	24°30'42.44"	86°41'48.55"
	Total		1.210	0.000		
2	Jamtara	Bataikundi, Asanberiya, Lakartanga,	1.900	---	24°01'616" 24°00'204"	87°01'385" 86°99'592"
		Sonbad	0.337	---	23°58.492"	86°45'254"
	Total		2.237	0.000		
3	Chatra (S)	Danout, Lohra, Jaber, Belgadda	4.230	---	24°19'29" 24°18'45"	85°8'50" 85°6'28"
			---	29.383		
	Total		4.230	29.383		
4	Hbag (West)	Hbag-Pdma Rly Line side 2	4.000	---	24° 12'32.66"	85°17'38.65"
	Total		4.000	0.000		

Sl. No.	Name of F. Div.	Gabion (No.) 6th Year			
		Name of Site	No. (gab)	GPS Co-ordinates	
				Latitude	Longitude
8	9	10	11		
1	Koderma	Tham-Purnatham	500.000	24° 22.918"	85°28'843"
			500.000		

Jharkhand CAMPA

Name of sites and GPS Co-ordinates of CA/PCA (7th Year Maintenance) activities during 2023-24

Sl. No.	Name of F. Div.	Forest Land Pl. 7th Year			
		Name of Site	Area (ha)	GPS Co-ordinates	
				Latitude	Longitude
1	2	3	4	5	6
1	Bokaro	Bhawanipur	32.280	23°53'35.52"	85°59'35.52"
		Turidih	22.000	23°32'34.87"	86°15'21.98"
		Chargo	13.000	23°28'45.21"	86°12'13.27"
		Barkipunnu	50.000	23°40'930"	85°41'520"
		Rangamati	50.000	23°42'725"	85°38'775"
		Chipudag, Jhirke	40.000	23°38'59.38"	85°51'0.35"
		Raghubariyar	30.000	23°40'49.94"	85°55'46.45"
		Harmita	30.000	23°40'25.63"	85°51'11.37"
		Khunta	25.000	23°40'15.09"	85°56'09.40"
	Total		292.280		
2	Dhanbad	Angulkatta	9.980	23°50'817"	86°40.657'
		Kharikabad, Dumdumi	27.320	23°47'914"	86°36'428"
		Bhuiyan Nawatanr	40.000	23°54'237"	86°32.123'
		Chhotanagpur	6.400	23°58'557"	86°25.347'
		Bhagodih	2.900	24°00'416"	86°25.337'
	Total		86.600		
3	Ramgarh	Dari	50.000	23°44'465"	85°22'987"
		Senegarha	23.000	23°43'053"	85°25'242"
		Tongi	45.000	23°28'980"	85°30'602"
		Padrangi	80.000	23°45'775"	85°87'611"
		Gargali	70.000	23°47'06"	85°26'20"
		Laiyo	100.000	23°46'40"	85°37'09"
		Jangi	40.000	23°34'840"	85°45'276"
		Govindpur	20.000	23°29'917"	85°46'958"
		Chamrom	12.000	23°32'566"	85°37'738"
		Kini	50.000	23°36'895"	85°19'361"
		Armada	50.000	23°35'720"	85°25'106"
		Barbanda	30.000	23°43'247"	85°35'517"
		Balsagra	40.000	23°46'554"	85°26'036"

Sl. No.	Name of F. Div.	Forest Land Pl. 7th Year			
		Name of Site	Area (ha)	GPS Co-ordinates	
				Latitude	Longitude
1	2	3	4	5	6
8	Hbag (West)	Sikri	53.020	N 23° 51'057"	E 85°10'275"
		Jugra	50.000	N 23° 51'103"	E 85°09'746"
		Kusumbha	50.000	N 23° 57'19.13"	E 85°15'56.61"
		Lodhi	50.000	N 24° 03'58.32"	E 85°33'33.47"
		Amjhar	50.000	N 24° 12'23.22"	E 85°10'33.45"
		Bonga	30.000	N 24° 04'30.38"	E 85°22'38.79"
		Chepi	5.000	N 24° 00'25.01"	E 85°16'02.98"
		Hathgarha	50.000	N 24° 17'43.8"	E 85°36'56.7"
		Bangawan	58.220	N 24° 15'53"	E 85°19'57"
		Amnari	30.000	N 24° 04'25.01"	E 85°36'46.46"
		Pasai	20.000	N 23° 57'43.54"	E 85°18'47.06"
		Gangtiyahi	50.000	N 240 12'10.6"	E 85032'50.2"
		Murlikatiya	50.000	N 240 17'50.2"	E 85037'35.4"
		Talsawar	100.000	N 23° 47'536"	E 85°15'734"
		Sikri	117.280	N 23° 51'103"	E 85°09'746"
		Gadokhar	30.000	N 24° 00'59.79"	E 85°18'30.84"
		Masratu	29.220	N 23° 57'43.06"	E 85°18'51.59"
		Bariyath	100.000	N 240 13'46.7"	E 85031'38.4"
		Nawadih / Parwi	58.000	N 240 23'21.43"	E 85022'30.37"
		Jagodih	100.000	N 240 24'00.06"	E 85023'05.25"
		Tajpur	100.000	N 240 27'13.96"	E 85016'46.31"
Brinda / Domapahari	116.160	N 240 27'38.23"	E 85024'18.83"		
			N 240 26'03.27"	E 85024'45.94"	
	Total		1296.900		
9	Koderma	Pichhri	50.000	24° 28.627"	85°30'531"
		Dhab	50.000	24° 36.154"	85°43'498"
		Goglo	100.000	24° 32.202"	85°41'042"
		Semarkundi	100.000	24° 42.305"	85°48'011"
		Kanikend	100.000	24° 24.266"	85°49.534"
		Mirganj	50.000	24° 39.587"	85°40.281"

Sl. No.	Name of F. Div.	Forest Land Pl. 7th Year			
		Name of Site	Area (ha)	GPS Co-ordinates	
				Latitude	Longitude
1	2	3	4	5	6
	Total		610.000		
4	Dumka	Lakhanpur	16.277	24°18'777"	87°22'888"
	Total		16.277		
5	Godda	Boha	3.260	24°60'8901"	87°34'802"
	Total		3.260		
6	Chatra (N)	Potamdohar	48.000	24°09'099"	84°36'351"
		Banka	50.000	24°28'442"	84°47'453"
		Keshwa / Mathurapur	50.000	24°21'420"	84°32'733"
				24°21'966"	84°32'694"
		Kashkewal	50.000	24°24'347"	84°46'876"
		Sikidag	50.000	24°11'230"	84°36'105"
		Birekhap	51.000	24°15'020"	84°59'800"
		Akouna	50.030	24°15'870"	84°57'479"
Bhandari	50.000	24°27'967"	84°44'848"		
	Total		399.030		
7	Chatra (S)	Bansari	40.000	24°04'035"	84°57'406"
		Lutu	86.520	24°11'43.6"	84°45'36.4"
		Reham	41.380	23°49'58.04"	84°59'55.81"
		Bakshi	22.500	24°04'07.17"	84°51'31.46"
		Badbiga	40.000	23°57'24.9"	84°57'25.9"
		Nawadih / Teliyadih	40.000	23°58'03.8"	85°01'12.3"
		Tesarchepa	40.000	23°57'658"	84°56'844"
		Govindpur	40.000	23°59'51.3"	84°57'11.1"
		Bongagarha	44.000	25°58'21.1"	84°58'26.0"
	Total		394.400		

Sl. No.	Name of F. Div.	Forest Land Pl. 7th Year			
		Name of Site	Area (ha)	GPS Co-ordinates	
				Latitude	Longitude
1	2	3	4	5	6
		Mahuwadohar	100.000	24°26.622"	85°25.075"
		Sarheta	100.000	24°23.983"	85°33.506"
		Telaiya	100.000	24°27.892"	85°30.886"
		Nalwa	50.000	24°33.190'	85°41.224"
	Total		800.000		
10	Jamshedpur	Luabasa	10.000	22°46'05.67"	86°17'54.65"
	Total		10.000		
11	Saraikela	Itakudar	21.810	22°44'29"	85°56'58"
		Itakudar	14.500	22°45'13.5"	85°57'20.50"
		Itakudar	8.000	22°45'24.42"	85°56'51.55"
		Chorbandha	2.820	22°42'36.16"	86°05'17.84"
		Chorbandha	6.810	22°42'36.16"	86°05'17.84"
		Bharatpur, Chorbandha	36.080	22°42'33.89"	86°05'15.69"
		Jhapudagora/ Ghaghi			
		Silpingda	16.943	22°50'274"	85°52'894"
		Tilopada	4.820	22°47'458"	85°45'638"
	Total		111.783		
12	Garhwa (N)	Tatidiri	50.000	24°18'14.7"	83°30'23.5"
		Nayakhanr	50.000	24°07'09.4"	83°31'28.1"
	Total		100.000		
13	Latehar	Rud	10.000	23°41'20.5"	84°42'23.5"
	Total		10.000		
14	Ranchi	Nawagarh	28.000	23°25'51.58"	85°37'14.55"
		Nawagarh	30.000	23°25'51.58"	85°37'14.55"
		Paharsingh	102.000	23°21'47.33"	85°42'33.36"
		Chamranga	156.000	23°34'649"	84°59'960"
	Total		316.000		

Sl. No.	Name of F. Div.	Forest Land Pl. 7th Year			
		Name of Site	Area (ha)	GPS Co-ordinates	
				Latitude	Longitude
1	2	3	4	5	6
Sl. No.	Name of F. Div.	Non Forest Land Pl. 7th Year			
		Name of Site	Area (ha)	GPS Co-ordinates	
				Latitude	Longitude
1	2	3	4	5	6
1	Dhanbad	Belakhonda, Bhatdih	34.540	23°41'21.14" 23°42'48.17"	86°15'39.6" 86°15'46.55"
		Tetulia, Mahuda (P)	19.130	23°42'54.96" 23°44'22.84"	86°16'9.11" 86°24'32.3"
		Mahuda (P), Murlidih	7.060	23°44'22.84" 23°43'45.6"	86°24'32.3" 86°17'12.45"
	Total		60.730		
2	Jamshedpur	Narsinghpur	7.500	22°45'42.29"	86°27'03.36"
	Total		7.500		
3	Garhwa (N)	Bamba	1.166	24°14'07.8"	83°29'07.3"
	Total		1.166		
4	Gumla	Tukai	1.760	22°56'29.10"	84°27'2.18"
		Kedli	9.076	23°04'32.07"	84°44'54.25"
	Total		10.836		

Sl. No.	Name of F. Div.	Forest Land Pl. 7th Year			
		Name of Site	Area (ha)	GPS Co-ordinates	
				Latitude	Longitude
1	2	3	4	5	6

Sl. No.	Name of F. Div.	Linear Plantation Maint 7th Year				Gabion (No.) 7th Year			
		Name of Site	Length (km)	GPS Co-ordinates		Name of Site	No. (gab)	GPS Co-ordinates	
				Latitude	Longitude			Latitude	Longitude
1	2	3	4	5	6	7	8	9	10
1	Deoghar	Kala Patthar Village-Dhawa Village	3.500	24°03'010" 24°03'537"	86°57'315" 86°54'341"		---		
	Total		3.500				0.000		
2	Dumka	Dumka-Sahibganj Road Side	2.000	24°20'36.52" 24°30'19.57"	87°19'25.90" 87°33'22.13"	Mahadevgarh to Simra	90,000	24°38'06.37"	87°05'02.72"
			---			Mandaldih to Srirampur	82,000	24°14'30.79"	87°28'32.69"
			---			Jogidih to Loripahari	1,666	24°16'08.07"	87°16'28.63"
	Total		2.000				1,73,666		
3	Chaibasa		---			Tantnagar-Manjhgaon	1,560	22°15'42.09"	85°54'45.75"
	Total		0.000				1,560		

Jharkhand CAMPA

ANNEXURE - 3

Catchment Area Treatment Plan activities during 2023-24

(Rs. In Lakh)

Sl. No.	Name of F. Div.	Name of Project	Area Diverted (ha)	Gol Approval Order & Date	Amount
1	2	3	4	5	6
1	Deoghar	Punasi Reservoir Scheme	291.170	F.No. 8-06/2016 FC dt. 12-07-2018	47.879
		Sub-Total	291.170		47.879
2	Garhwa South	North Koel Reservoir Project Jharkhand	1007.290	8-32/2017-FC dt. 27.11.2018	250.000
		Sub-Total	1007.290		250.000
3	Latehar	North Koel Reservoir Project Jharkhand	1007.290	8-32/2017-FC dt. 27.11.2018	250.000
		Tubed Coal Block	162.394	F.No. 8-23/2019 FC dt. 13-11-2019 dt. 28-05-2022	450.000
		Sub-Total	1169.684		700.000
4	Gumla	North Koel Reservoir Project Jharkhand	1007.290	8-32/2017-FC dt. 27.11.2018	300.000
		Sub-Total	1007.290		300.000
5	Lohardaga	North Koel reservoir Project, Jharkhand	1007.290	Stage-II granted by FAC	450.000
		Sub-Total	1007.290		450.000
6	PTR, North	North Koel Dam	1007.280	8-32/2017-FC dt. 27.11.2018	500.000
		Sub-Total	1007.280		500.000
7	PTR, South	North Koel Dam	1007.290	8-32/2017-FC dt. 27.11.2018	750.000
		Sub-Total	1007.290		750.000
		Grand Total	6,497.294		2,997.879

Jharkhand CAMPA

Integrated Wildlife Management Plan related schemes during 2023-24

(Rs. In Lakh)

Sl. No.	Name of F. Div.	Name of Project	Area Diverted (ha)	Gol Approval Order & Date	Amount
1	2	3	4	5	6
1	Ramgarh	Construction of New B.G. Rail line (4th Phase Ext.) Kodarma-Barkakana- Ranchi	373.660	F. No. 8-131/2003- FC dated 18.07.2007	21.535
		Sub-total	373.660	---	21.535
2	Giridih East	Koderma- Giridih New BG Railway Line	119.610	F. No. 8-90/2003-FC dated 11.12.2003	38.839
		Sub-total	119.610	---	38.839
3	Giridih West	Koderma- Giridih New BG Railway Line	93.950	F. No. 8-90/2003-FC dated 11.12.2003	11.060
		Sub-total	93.950	---	11.060
4	Deoghar	DRDO Wildlife Management Plan	516.670	F. No. 8-41/2010-FC dated 17.07.2012	193.814
		S.P. Mines, Chitra Conservation & Prevention of Flora & Founa	124.280	F. No. 8-79/2009-FC dt. 10.07.2019	57.427
		Crude Oil Pipeline, IOCL (IOCL)	110.000	PF/JH/Pipeline/38146 dated 07.04.2020	68.386
		Mohanpur-Hansdiha New BG Railway Line	6.320	FP/JH/RAIL/3045/2017/273 dated 04.03.2022	200.000
		Sub-total	757.270	---	519.627
5	Dumka	JUSNL Godda-Dumka 220KV D/C Transmission line	4.501	F.N. FL-01/2019-1177 dated 27.03.2019 F.N. FL-01/2019-4769 dated 19.12.2019	36.745
		Augmentation of Paradip-Haldia-Durgapur LPG pipeline and its extention up to Patna & Muzaffarpur	9.883	FP/JH/Rail/31385/20183174 dated 31.05.2019 FP/JH/Others/31385/2018/221 dated 12.04.2022	53.735
		Mohanpur-Hansdiha New BG Railway Line	2.826	FP/JH/Rail/30545/2017/237 dated 04.03.2022	200.000
		New B.G. Railway Line from Deoghar to Dumka	6.560	F.No.- 12(26) 5/03 FCE Dated 06.07.2004 F.No.- 12(26) 5/03 FCE Dated 19.07.2006	200.000
		Sub-total	23.770	---	490.480
6	Godda	ECL Hurra "C" 527.043 Ha.	260.000	F. No. 8-6/2009 FC dated 21.05.2019	400.000
		M/S Adani Power Limited Jharkahnd, Godda 66KV Transmission Line	6.139	FP/JH/TRANS-43511/2019/5146 Dated 28.12.2021 FP/JH/TRANS-43511/2019/1352 Dated 16.06.2022	40.120
		Sub-total	266.139	---	440.120
7	Pakur	WBPDC- Pachwar A North Coal Block	371.070	F.No. 8-37/2010 FC Dated 27.10.2022, 14.11.2011	300.000
		Estern Coalfield Limited Simlong Colloery	3.480	F.No. 5-JHB019/2006-BHU Dated 12.02.2007, Dated 15.10.2007	250.000
		PSPCL- Pachwara Central Coal Block	400.000	F.No. 8-17/2004 FC Dated 06.01.2005, 31.12.2006	300.000
		Sub-total	774.550	---	850.000
8	Sahibganj	Four-laning of Mirzachouki-Farakka of NH-80	4.397	FP?JH/Road/36700/2018/4459 Dated 15.01.2021	300.000
		66KV Transmission Line of ADANI			250.000
		Sub-total	4.397	---	550.000
9	Chatra (N)	400 KV D/C (QUAD) Chandwa-Gaga Transmission line	61.517	F No. 8-3/2014- FC Dated 12.12.2014 (Stage-I)	32.550
		Sub-total	61.517	---	32.550

Sl. No.	Name of F. Div.	Name of Project	Area Diverted (ha)	Gol Approval Order & Date	Amount
1	2	3	4	5	6
10	Chatra (S)	Shivpur-Kathautiya New B.G. Rail line	307.000	FP/JH/Rail/11986/2015/3224 Dated 19.06.2019	150.000
		Construction of Chatra to Latehar Transmission line	140.125	FP/JH/Trans/35914/3241 Dated 27.06.2019	58.350
		NTPC Keredari Coal Mining Project	58.550	F. No. 8-53/2011- FC Dated 28.08.2019	150.000
		Construction of 132 KV D/C North Karanpura NTPC Tandwa T.L. Line	32.726	F. No. 8-53/2011- FC Dated 28.08.2019	37.500
		Construction of 220KV D/C Chatra (Itkhori) to Pakri Barwadih Coal Mining Project at NTPC (Barkagaon) Package- c	75.590	FP/JH/Trans/357192013/370 Dated 30.06.2022	50.000
		Construction of 400KV D/C TL From North Karanpura Thermal Power Plant (3 x 660 MW) to Chandwa Pooling Station at Jharkhand	27.841	FP/JH/TRANS/40694/2019/43 Dated 17.01.2022	78.582
		Conveyor Corridor of Magadh OCP to NTPC Tandwa	8.540	FP/JH/Other/40454/2019/5012 Dated 03.11.2021	150.000
		Construction of 400KV D/C TL From Chandwa to Gaya	144.230	F. No. 8-3/2014-FC Dated 12.12.2014	50.000
		132 Kv D/C Barhi to Itkhori Transmission Line	4.089	FP/JH/TRANS/45211/2020/133 Dated 04.03.2022	21.970
		Sub-total	798.691	---	746.402
11	Hazaribag East	NHAI Widening of Barhi-Hazaribagh section of NH-33	11.940	F. No. 8-6/2013 FC Dated 08.12.2013	150.000
		Sub-total	11.940	---	150.000
12	Hazaribag West	Const. of new BG Rail line Hazaribag to Barkakana	153.913	F. No. 8-44/2003 FC Dated 01.04.2004	41.431
		Shivpur-Kathautiya New B.G. Rail line	61.720	F. No. 5-2/2017 FC (Pt.) Dated 28.03.2019	150.000
		NTPC Keredari COAL Mining Project	184.770	F. No. 8-53/2011 FC Dated 01.02.2012	150.000
		NHAI Widening of Barhi-Hazaribagh section of NH-33	15.490	F. No. 8-6/2013 FC Dated 08.12.2013	100.000
		132 KvD/C North Karanpura NTPC, Tandwa Transmission line	2.558	F. No. 8-53/2011 FC Dated 28-08-2019	16.950
		Pakribarwadih Coal Mines Project G.S.S. NTPC Barkagaon to Chatra 220 KV D/C Transmission line	72.560	FP/JH/TRANS/35719/2013/370 Dated 30-06-2022	50.000
		132 Kv D/C Barhi to Itkhori Transmission Line	24.851	FP/JH/TRANS/45211/2020/133 Dated 04.03.2022 (Stage-1)	64.130
		NTPC Pakri Barwadihi Coal Mining Project	128.920	F. No. 8-42/2010-FC Dated 21/25.11.2011	150.000
		NTPC Chati Bariyatu Coal Mining Project	1,026.438	F. No. 8-42/2010-FC Dated 17.09.2010	100.000
		DFCCIL Dankuni West Bengal to Sonnagar Section	89.688	FP/JH/Rail/18720/2016/3143 Dated 15.02.2019 (Stage-1)	152.630
		NTPC-Badam Coal Block	150.490	F.No. 8-100/2008-FC dated 20.09.2010 (Stage-1)	100.000
		Sub-total	1,911.398	---	1075.141
13	Koderma	Koderma - Giridih Railway Project	25.100	F. No. 8-33/2008 FC Dated 03.05.2008	136.497
		Koderma - Telaiya (Nawada) New BG Railway line	101.455	F. No. 8-33/2008 FC Dated 12.06.2008	83.598
		DFCCIL Dankuni West Bengal to Sonnagar Section	89.688	FP/JH/Rail/18085/2016/4424 Dated 29.12.2020	150.000
		Sub-total	216.243	---	370.095
14	Chaibasa	M/s Tata Steel Ltd.	1,160.600	F. No. J-1015/104/2011-1A.II (M) Dated 10.06.2013	260.512
		Sub-total	1,160.600	---	260.512

Sl. No.	Name of F. Div.	Name of Project	Area Diverted (ha)	Gol Approval Order & Date	Amount
1	2	3	4	5	6
15	Saranda	Site Specific Wildlife Conservation Plan of M/s Tata Long Product Ltd. Under FCA Criteria compliance	146.470	F. No. 8-88/2007 FC (pt) Dated 09.11.2012	51.024
		Site Specific Wildlife Conservation Plan of Shah Brothers under FCA Criteria compliance	24.856	F. No. 8-127/2002 FC Dated 19.05.2005	19.970
		Diversion of 24.33 ha Forest land for renewal of mining lease in respect of lease-III kiriburu Meghahatuburu Iron ore Mines of SAIL in District Singhbhum (West) Jharkhand.	24.330	F. No. 8-127/2002 FC Dated 19.05.2005	100.000
		Sub-total	195.656	---	170.994
16	Porahat	Widening and strengthening of Sonua-Pansua-Lodhi-Gudari Road- km 0.00 to km41.56	18.280	F.no. 4837 Dated 26.08.2021	170.976
		Sub-total	18.280	---	170.976
17	Latehar	Tori to Shivpur New BG Single	154.100	F. No. 8-72/2008 FC Dated 19.06.2013	200.000
		Ranchi to Chandwa 400 KV/DC TM Line	21.270	F. No. 5-JHC 249/2013 BHU Dated 10.02.2014	30.090
		Chandwa to Gaya 400 KV TM Line	59.907	F. No. 8-3/2014 FC Dated 12.12.2014	31.540
		Chatra to Latehar 220 KV TN Line	59.959	F. No. FP/JH/TRANS/35914/ 2014/3241 Dated 27.06.2019	62.941
		400Kv/DC North Karanpura TM Line	28.484	FP/JH/TRANS/40694/2019/43 Dated 17-01-2022	107.700
		Sub-total	323.720	---	432.271
18	Gumla	Four laning of NH-23 Starting from Palma village(Design km.26.00/Existing km.26.00) to Gumla Bypass (design Km 89.170/Existing Km 88.600) Design Length 63.170 km) in the state of Jharkhand	7.876	FP/JH/ROAD/47626/2020 Dated 28.12.2021	242.820
		Sub-total	7.876	---	242.820
19	Khunti	Doubling of Railway line betwvn Lodhma to Govindpur railway station	7.959	F.No. FP/JH/Rail/36817-2018/ 3892 Dated 07.04.2020 F.No. FP/JH/Rail/36817-2018/ 4539 Dated 24.02.2021	122.583
		Sub-total	7.959	---	122.583
20	Ranchi	Ranchi to Barkakana BG Railway	67.070	F. No. 8-131/2003-FC Dated 18.07.2007	50.000
		Palma to Gumla NH23	7.876	F. No. FP/JH/Road/47626/2020/ 5148 FC Dated 28.12.2021	250.000
		Sub-total	74.946	---	300.000
21	Simdega	Hatia-Bondamunda Doubling of Railway Line between Kurkura to Orga	76.477	FP/JH/Rail/43712/2020/4544 Dated 03.08.2021	181.107
		Sub-total	76.477	---	181.107
22	Wild life Hazaribag	NHA1 Widening of Barhi-Hazaribagh section of NH-33	21.132	F. No. 8-6/2012 FC Dated 18.12.2013	300.000
		Construction of Transmission line in Chandwa-Gaya		F.No. 8-3 /2014-FC by G.O.I. MOEFCC (FC Div) Dated 12.12. 2014	40.000
		Sub-total	21.132	---	340.000
23	PTR North	North Koel Irrigation Project - Mondal Dam	1,007.290	F. No. 8-32/2017 FC Dated 27.11.2018	500.000
		Sub-total	1,007.290	---	500.000
24	PTR South	North Koel Irrigation Project - Mondal Dam (Sanctioned in favour of PTR North Division)	1,007.290	F. No. 8-32/2017 FC Dated 27.11.2018	500.000
		Sub-total	1,007.290	---	500.000
		Grand Total	9,314.360	---	8517.112

NPV : Assisted Natural Regeneration during 2023-24

(Rs. in Lakh)

Sl. No.	Name of F. Div.	Assisted natural regeneration	
		Area (ha.)	Amount
1	2	3	4
1	Bokaro	150.000	107.615
2	Dhanbad	100.000	71.743
3	Giridih (E)	150.000	107.615
4	Giridih (W)	150.000	107.615
5	Ramgarh	100.000	71.743
6	Deoghar	150.000	107.615
7	Dumka	150.000	107.615
8	Godda	150.000	107.615
9	Jamtara	100.000	71.743
10	Pakur	125.000	89.679
11	Sahibganj	150.000	107.615
12	Chatra (N)	150.000	107.615
13	Chatra (S)	150.000	107.615
14	Hazaribag (E)	150.000	107.615
15	Hazaribag (W)	150.000	107.615
16	Koderma	100.000	71.743
17	Chaibasa	150.000	107.615
18	Jamshedpur	150.000	107.615
19	Kolhan	150.000	107.615
20	Porahat	150.000	107.615
21	Saraikela	150.000	107.615
22	Saranda	100.000	71.743
23	Garhwa (N)	150.000	107.615
24	Garhwa (S)	150.000	107.615
25	Latehar	100.000	71.743
26	Medininagar	150.000	107.615
27	Gumla	150.000	107.615
28	Khunti	100.000	71.743
29	Lohardaga	150.000	107.615
30	Ranchi	150.000	107.615
31	Simdega	150.000	107.615
32	Deoghar SF	125.000	89.679
33	Dumka SF	125.000	89.679
34	Garhwa SF	125.000	89.679
35	Hazaribag SF	125.000	89.679
36	Koderma SF	125.000	89.679
37	Latehar SF	125.000	89.679
38	Adityapur SF	125.000	89.679
39	Chaibasa SF	125.000	89.679
40	Ranchi SF	125.000	89.679
41	Simdega SF	125.000	89.679
	Grand Total	5,525.000	3,963.809

Jharkhand CAMPA

ANNEXURE - 6

CAF Rule 5(2)b

NPV : Afforestation works in the Ganga basin with CAMPA FY 2023-24

Director General, NMCG Gol New Delhi Do. letter no. AD-34019/1/2021-
NMGC Dated 21-10-2021

(Rs. in Lakh)

Sl. No.	Name of F. Division	Afforestation works in the Ganga basin with CAMPA	
		Activities	Amount
1	2	3	4
1	Dumka	Advance work of various types of Plantation & SMC Work on forest land.	400.00000
2	Sahibganj		700.00000
	Total		1,100.00000

Jharkhand CAMPA

ANNEXURE 7

CAF Rule 5(2)b

NPV : Artificial Regeneration Advance Work (FY 2023-24)

(Rs. in Lakh)

Sl. No.	Name of F. Div.	Advance work for RDF/ MFP Host Tree Plantation Block Plantations (Forest land)		Advance work for Bamboo Plantation (Forest Land)		Advance work for Sisal Plantation (Forest Land)		Total Amount
		Area (ha.)	Amount	Area (ha.)	Amount	Area (ha.)	Amount	
1	2	3	4	5	6	7	8	9
1	Bokaro	100.000	92.493	100.000	96.533	---	---	189.026
2	Dhanbad	100.000	92.493	100.000	96.533	---	---	189.026
3	Giridih (E)	100.000	92.493	100.000	96.533	---	---	189.026
4	Giridih (W)	100.000	92.493	100.000	96.533	---	---	189.026
5	Ramgarh	100.000	92.493	100.000	96.533	---	---	189.026
6	Deoghar	100.000	92.493	100.000	96.533	---	---	189.026
7	Dumka	100.000	92.493	100.000	96.533	---	---	189.026
8	Godda	100.000	92.493	100.000	96.533	---	---	189.026
9	Jamtara	100.000	92.493	100.000	96.533	---	---	189.026
10	Pakur	100.000	92.493	100.000	96.533	---	---	189.026
11	Sahibganj	100.000	92.493	200.000	193.065	---	---	285.559
12	Chatra (N)	100.000	92.493	100.000	96.533	---	---	189.026
13	Chatra (S)	100.000	92.493	100.000	96.533	---	---	189.026
14	Hazaribag (E)	100.000	92.493	100.000	96.533	---	---	189.026
15	Hazaribag (W)	100.000	92.493	100.000	96.533	---	---	189.026
16	Koderma	100.000	92.493	100.000	96.533	---	---	189.026
17	Chaibasa	100.000	92.493	100.000	96.533	---	---	189.026
18	Jamshedpur	100.000	92.493	100.000	96.533	---	---	189.026
19	Kolhan	100.000	92.493	100.000	96.533	---	---	189.026
20	Porahat	100.000	92.493	100.000	96.533	---	---	189.026
21	Saraikela	100.000	92.493	100.000	96.533	---	---	189.026
22	Saranda	100.000	92.493	100.000	96.533	---	---	189.026
23	Garhwa (N)	100.000	92.493	100.000	96.533	---	---	189.026
24	Garhwa (S)	100.000	92.493	100.000	96.533	---	---	189.026
25	Latehar	100.000	92.493	100.000	96.533	---	---	189.026
26	Medininagar	100.000	92.493	100.000	96.533	---	---	189.026
27	Gumla	100.000	92.493	100.000	96.533	---	---	189.026
28	Khunti	100.000	92.493	100.000	96.533	---	---	189.026
29	Lohardaga	100.000	92.493	100.000	96.533	---	---	189.026
30	Ranchi	100.000	92.493	100.000	96.533	---	---	189.026
31	Simdega	100.000	92.493	100.000	96.533	---	---	189.026

Sl. No.	Name of F. Div.	Advance work for RDF/ MFP Host Tree Plantation Block Plantations (Forest land)		Advance work for Bamboo Plantation (Forest Land)		Advance work for Sisal Plantation (Forest Land)		Total Amount
		Area (ha.)	Amount	Area (ha.)	Amount	Area (ha.)	Amount	
1	2	3	4	5	6	7	8	9
32	Deoghar SF	100.000	92.493	100.000	96.533	---	---	189.026
33	Dumka SF	100.000	92.493	100.000	96.533	---	---	189.026
34	Garhwa SF	100.000	92.493	100.000	96.533	---	---	189.026
35	Hazaribag SF	100.000	92.493	100.000	96.533	---	---	189.026
36	Koderma SF	100.000	92.493	100.000	96.533	---	---	189.026
37	Latehar SF	100.000	92.493	100.000	96.533	---	---	189.026
38	Adityapur SF	100.000	92.493	100.000	96.533	---	---	189.026
39	Chaibasa SF	100.000	92.493	100.000	96.533	---	---	189.026
40	Ranchi SF	100.000	92.493	100.000	96.533	---	---	189.026
41	Simdega SF	100.000	92.493	100.000	96.533	---	---	189.026
42	Cf & Sate Silviculturist	---	---	---	---	100.000	158.367	158.367
	Grand Total	4,100.000	3,792.224	4,200.000	4,054.375	100.000	158.367	8,004.966

CAF Rule 5(2)c

NPV : Silviculture operation Advance Work (FY 2023-24)

(Rs. in Lakh)

Sl. No.	Name of F. Div.	Silviculture operation	
		Area (ha.)	Amount
1	2	3	4
1	Bokaro	150.000	107.615
2	Dhanbad	100.000	71.743
3	Giridih (E)	150.000	107.615
4	Giridih (W)	150.000	107.615
5	Ramgarh	100.000	71.743
6	Deoghar	150.000	107.615
7	Dumka	150.000	107.615
8	Godda	150.000	107.615
9	Jamtara	100.000	71.743
10	Pakur	125.000	89.679
11	Sahibganj	150.000	107.615
12	Chatra (N)	150.000	107.615
13	Chatra (S)	150.000	107.615
14	Hazaribag (E)	150.000	107.615
15	Hazaribag (W)	150.000	107.615
16	Koderma	100.000	71.743
17	Chaibasa	150.000	107.615
18	Jamshedpur	150.000	107.615
19	Kolhan	150.000	107.615
20	Porahat	150.000	107.615
21	Saraikela	150.000	107.615
22	Saranda	100.000	71.743
23	Garhwa (N)	150.000	107.615
24	Garhwa (S)	150.000	107.615
25	Latehar	100.000	71.743
26	Medininagar	150.000	107.615
27	Gumla	150.000	107.615
28	Khunti	100.000	71.743
29	Lohardaga	150.000	107.615
30	Ranchi	150.000	107.615
31	Simdega	150.000	107.615
32	Deoghar SF	125.000	89.679
33	Dumka SF	125.000	89.679
34	Garhwa SF	125.000	89.679
35	Hazaribag SF	125.000	89.679
36	Koderma SF	125.000	89.679
37	Latehar SF	125.000	89.679
38	Adityapur SF	125.000	89.679
39	Chaibasa SF	125.000	89.679
40	Ranchi SF	125.000	89.679
41	Simdega SF	125.000	89.679
	Grand Total	5525.000	3,963.809

NPV : Protection of Forests and Plantations activities during 2023-24

(Rs. in lakh)

Sl. No.	Name of Division	Consolidation of Forest Boundary Pillar with digitization/DGPS of Forest boundary		Integrated work for forest and wild life protection		Total Amount
		No.	Amount	No. of Division	Amount	
1	2	3	4	5	6	7
1	Bokaro	400	22.000	1	20.000	42.000
2	Dhanbad	400	22.000	1	20.000	42.000
3	Giridih (E)	400	22.000	1	20.000	42.000
4	Giridih (W)	---	---	1	20.000	20.000
5	Ramgarh	400	22.000	1	20.000	42.000
6	Deoghar	400	22.000	1	20.000	42.000
7	Dumka	400	22.000	1	20.000	42.000
8	Godda	400	22.000	1	20.000	42.000
9	Jamtara	400	22.000	1	20.000	42.000
10	Pakur	---	---	1	20.000	20.000
11	Sahibganj	400	22.000	1	20.000	42.000
12	Chatra (N)	170	9.350	1	20.000	29.350
13	Chatra (S)	400	22.000	1	20.000	42.000
14	Hazaribag (E)	400	22.000	1	20.000	42.000
15	Hazaribag (W)	400	22.000	1	20.000	42.000
16	Koderma	---	---	1	20.000	20.000
17	Chaibasa	---	---	1	20.000	20.000
18	Jamshedpur	400	22.000	1	20.000	42.000
19	Kolhan	---	---	1	20.000	20.000
20	Porahat	400	22.000	1	20.000	42.000
21	Saraikela	400	22.000	1	20.000	42.000
22	Saranda	---	---	1	20.000	20.000
23	Garhwa (N)	---	---	1	20.000	20.000
24	Garhwa (S)	---	---	1	20.000	20.000
25	Latehar	---	---	1	20.000	20.000
26	Medininagar	400	22.000	1	20.000	42.000
27	Gumla	---	---	1	20.000	20.000
28	Khunti	400	22.000	1	20.000	42.000
29	Lohardaga	400	22.000	1	20.000	42.000
30	Ranchi	400	22.000	1	20.000	42.000
31	Simdega	---	---	1	20.000	20.000
32	PTR. (N)	400	22.000	1	20.000	42.000
33	PTR. (S)	---	---	1	20.000	20.000
34	Hbag Wildlife	---	---	1	20.000	20.000
35	Ranchi Wildlife	400	22.000	1	20.000	42.000
36	Ele. Proj, JSR	---	---	1	20.000	20.000
	Total	8,570	471.350	36	720.000	1,191.350

CAF Rule 5(2)e

NPV : Pest and disease control in forest activities during 2023-24

(Rs. in Lakh)

Sl. No.	Name of Division	Pest and disease control in forest	
		No.	Amount
1	2	3	4
1	Hazaribag (E)	---	5.000
2	Publicity Div.	---	5.000
	Total	---	10.000

CAF Rule 5(2)f

NPV: Forest fire prevention and control operations activities during 2023-24

(Rs. in lakh)

Sl. No.	Name of Forest Division	Forest fire prevention and control operations	
		No.	Amount
1	2	3	4
1	Bokaro	1	10.000
2	Dhanbad	1	10.000
3	Giridih (E)	1	10.000
4	Giridih (W)	1	10.000
5	Ramgarh	1	10.000
6	Deoghar	1	10.000
7	Dumka	1	10.000
8	Godda	1	17.150
9	Jamtara	1	17.150
10	Pakur	1	17.150
11	Sahibganj	1	17.150
12	Chatra (N)	1	10.000
13	Chatra (S)	1	17.150
14	Hazaribag (E)	1	10.000
15	Hazaribag (W)	1	17.150
16	Koderma	1	10.000
17	Chaibasa	1	17.150
18	Jamshedpur	1	17.150
19	Kolhan	1	17.150
20	Porahat	1	17.150
21	Saraikela	1	17.150
22	Saranda	1	17.150
23	Garhwa (N)	1	10.000
24	Garhwa (S)	1	10.000
25	Latehar	1	10.000
26	Medininagar	1	10.000
27	Gumla	1	10.000
28	Khunti	1	10.000
29	Lohardaga	1	10.000
30	Ranchi	1	10.000
31	Simdega	1	10.000
32	PTR. (N)	1	17.150
33	PTR. (S)	1	17.150
34	Hbag Wildlife	1	17.150
35	Ranchi Wildlife	1	17.150
36	Ele. Proj, JSR	1	17.150
	Total	36	481.550

NPV : Soil Moisture Conservation during 2023-24

(Rs. in Lakh)

Sl. No.	Name of F. Div.	Construction of Check dam		Renovation of Traditional Water Sources		Treatment of some important Nala on the concept of Watershed and CAT		Total Amount
		No	Amount	No	Amount	No	Amount	
1	2	3	4	5	6	7	8	9
1	Bokaro	15	126.000	15	12.000	1	25.000	163.000
2	Dhanbad	15	126.000	15	12.000	1	25.000	163.000
3	Giridih (E)	15	126.000	15	12.000	1	25.000	163.000
4	Giridih (W)	15	126.000	15	12.000	1	25.000	163.000
5	Ramgarh	15	126.000	15	12.000	1	25.000	163.000
6	Deoghar	15	126.000	15	12.000	1	25.000	163.000
7	Dumka	15	126.000	15	12.000	1	25.000	163.000
8	Godda	15	126.000	15	12.000	1	25.000	163.000
9	Jamtara	15	126.000	15	12.000	1	25.000	163.000
10	Pakur	15	126.000	15	12.000	1	25.000	163.000
11	Sahibganj	15	126.000	15	12.000	1	25.000	163.000
12	Chatra (N)	15	126.000	15	12.000	1	25.000	163.000
13	Chatra (S)	15	126.000	15	12.000	1	25.000	163.000
14	Hazaribag (E)	15	126.000	15	12.000	1	25.000	163.000
15	Hazaribag (W)	15	126.000	15	12.000	1	25.000	163.000
16	Koderma	15	126.000	15	12.000	1	25.000	163.000
17	Chaibasa	15	126.000	15	12.000	1	25.000	163.000
18	Jamshedpur	15	126.000	15	12.000	1	25.000	163.000
19	Kolhan	15	126.000	15	12.000	1	25.000	163.000
20	Porahat	15	126.000	15	12.000	1	25.000	163.000
21	Saraikeela	15	126.000	15	12.000	1	25.000	163.000
22	Saranda	15	126.000	15	12.000	1	25.000	163.000
23	Garhwa (N)	15	126.000	15	12.000	1	25.000	163.000
24	Garhwa (S)	15	126.000	15	12.000	1	25.000	163.000
25	Latehar	15	126.000	15	12.000	1	25.000	163.000
26	Medininagar	15	126.000	15	12.000	1	25.000	163.000
27	Gumla	15	126.000	15	12.000	1	25.000	163.000
28	Khunti	15	126.000	15	12.000	1	25.000	163.000
29	Lohardaga	15	126.000	15	12.000	1	25.000	163.000
30	Ranchi	15	126.000	15	12.000	1	25.000	163.000
31	Simdega	15	126.000	15	12.000	1	25.000	163.000
32	Deoghar SF	10	85.000	15	12.000	---	---	97.000
33	Dumka SF	10	85.000	15	12.000	---	---	97.000
34	Garhwa SF	10	85.000	15	12.000	---	---	97.000
35	Hazaribag SF	10	85.000	15	12.000	---	---	97.000
36	Koderma SF	10	85.000	15	12.000	---	---	97.000
37	Latehar SF	10	85.000	15	12.000	---	---	97.000
38	Adityapur SF	10	85.000	15	12.000	---	---	97.000
39	Chaibasa SF	10	85.000	15	12.000	---	---	97.000
40	Ranchi SF	10	85.000	15	12.000	---	---	97.000
41	Simdega SF	10	85.000	15	12.000	---	---	97.000
	Grand Total	565	4,756.000	615	492.000	31	775.000	6,023.000

NPV : Miscellaneous interventions using Lidar Technology during 2023-24

(Rs. in Lakh)

Sl. No.	Name of F. Division	Works Program	Miscellaneous interventions using Lidar Technology 1st Year	
			No. of Division	Amount
1	2	3	4	5
1	Hazaribag (W)	Plantation and SMC works, Anicut, Gully Plugging, Mini Percolation Tank, Percolation Tank etc.	1 Div.	500.000
	Total		1 Div.	500.000

Jharkhand CAMPA**ANNEXURE - 14****CAF Rule 5(2)h****NPV : Voluntary relocation of villages from protected areas during 2023-24****(Rs. in Lakh)**

Sl. No.	Name of F. Div.	Voluntary relocation of villages from protected areas	
		No. of Division	Amount
1	2	3	4
1	PTR. (N)	1 Div.	800.000
	Total	1 Div.	800.000

Jharkhand CAMPA

ANNEXURE-15(a)

NPV : Wildlife Habitat Improvement Activities (Completion & Maintenance) during 2023-24

CAF Rule 5(2)i

(Rs. in Lakh)

Sl. No.	Name of F. Div.	Silviculture Operation						New Grass land development				Gabion Plantation		Bamboo Plantation				Total Amount
		(2nd Year work)		(3rd Year work)		(4th Year work)		(2nd Year work)		(3rd Year work)		(2nd Year work)		(3rd Year work)				
		Area (ha)	Amount	Area (ha)	Amount	Area (ha)	Amount	Area (ha)	Amount	Area (ha)	Amount	Area (no)	Amount	Area (ha)	Amount	Area (ha)	Amount	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	Dhanbad	---	---	150.000	4.928	150.000	4.928	---	---	---	---	---	---	100.000	43.575	150.000	24.653	78.083
2	Giridih (E)	---	---	---	---	---	---	---	---	---	---	---	---	100.000	43.575	---	---	43.575
3	Deoghar	---	---	---	---	---	---	---	---	---	---	---	---	50.000	21.788	---	---	21.788
4	Sahibganj	---	---	---	---	---	---	---	---	---	---	---	---	50.000	21.788	---	---	21.788
5	Jamshedpur	---	---	---	---	---	---	---	---	---	---	---	---	100.000	43.575	200.000	32.870	76.445
6	Porahat	---	---	---	---	---	---	---	---	---	---	---	---	50.000	21.788	---	---	21.788
7	Saraikela	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50.000	8.218	8.218
8	Garhwa (N)	---	---	---	---	---	---	---	---	---	---	---	---	80.000	34.860	---	---	34.860
9	Gumla	---	---	---	---	---	---	---	---	---	---	1,200.000	8.718	---	---	50.000	8.218	16.936
10	Ranchi	---	---	---	---	---	---	---	---	---	---	---	---	---	---	310.000	50.949	50.949
11	PTR. (N)	500.000	56.775	309.000	10.151	---	---	200.000	152.500	200.000	38.500	---	---	100.000	43.575	100.000	16.435	317.936
12	PTR. (S)	500.000	56.775	400.000	13.140	100.000	3.285	25.000	19.063	100.000	19.250	---	---	100.000	43.575	---	---	155.088
13	Hbag Wildlife	500.000	56.775	300.000	9.855	500.000	16.425	---	---	4.000	0.770	---	---	---	---	---	---	83.825
14	Ranchi Wildlife	100.000	11.355	50.000	1.643	50.000	1.643	---	---	---	---	---	---	---	---	---	---	14.640
15	Ele. Proj, JSR	300.000	34.065	---	---	100.000	3.285	---	---	---	---	---	---	---	---	---	---	37.350
	Total	1,900.000	215.745	1,209.000	39.716	900.000	29.565	225.000	171.563	304.000	58.520	1,200.000	8.718	730.000	318.098	860.000	141.341	983.265

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Jharkhand CAMPA

ANNEXURE-15^{CB}

CAF Rule 5(2)

NPV : Wildlife Habitat Improvement Activities (Advance work) during 2023-24

(Rs. in Lakh)

Sl. No.	Name of F. Div.	Silviculture Operation (ANR) 1st Year		Bamboo culm cleaning		Weed eradication		New Grass land development 1st Year		Soil & Moisture conservation work		Bamboo Plantation		Const. of Causeway		Const. of Culvert		Const. of Check dam		Const. of Earthen Check dam		Desiltation of Old Check dam		Const. of Water-hole		Desiltation of Water-hole		
		Area (ha)	Amount	Area (ha)	Amount	Area (ha)	Amount	Area (ha)	Amount	Area (ha)	Amount	Area (ha)	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
1	Bokaro																					10	5,000					
2	Dhanbad																						10	5,000				
3	Giridih (E)																						10	5,000				
4	Giridih (W)																						10	5,000				
5	Ramgarh																						10	5,000				
6	Deoghar																						10	5,000				
7	Dumka																						10	5,000				
8	Godda																						10	5,000				
9	Jamtara																						10	5,000				
10	Pakur																						10	5,000				
11	Sahibganj																						10	5,000				
12	Chatra (N)																						10	5,000				
13	Chatra (S)																						10	5,000				
14	Hazaribag (E)																						10	5,000				
15	Hazaribag (W)																						10	5,000				
16	Koderma																						10	5,000				
17	Chaibasa																						10	5,000				
18	Jamshedpur																						10	5,000				
19	Kolhan																						10	5,000				
20	Porahat																						10	5,000				
21	Saraikela																						10	5,000				
22	Saranda																						10	5,000				
23	Garhwa (N)																						10	5,000				
24	Garhwa (S)																						10	5,000				
25	Latehar																						10	5,000				
26	Medininagar																						10	5,000				
27	Gumla																						10	5,000				
28	Khunti																						10	5,000				
29	Lohardaga																						10	5,000				
30	Ranchi																						10	5,000				
31	Simdega																						10	5,000				
32	PTR (N)	125.00	89.679	250.00	112.250	200.00	27.000	200.00	45.200	100.00	41.850	100.00	96.533	5	25.000	5	25.000	10	85.000	5	42.500	10	5,000	10	30.000	50	12.500	
33	PTR (S)	125.00	89.679	250.00	112.250	200.00	27.000	200.00	45.200	100.00	41.850	100.00	96.533	5	25.000	5	25.000	10	85.000	5	42.500	10	5,000	10	30.000	50	12.500	
34	Hbag Wildlife	150.00	107.615	250.00	112.250	200.00	27.000	102.00	23.052	100.00	41.850	100.00	96.533	5	25.000	3	15.000	10	85.000	10	85.000	10	5,000	10	30.000	11	2.750	
35	Ranchi Wildlife	145.00	104.028			825.00	111.375	100.00	22.600	350.00	156.938	100.00	96.533	5	25.000	5	25.000	5	42.500	5	42.500	10	5,000	10	30.000	42	10.500	
36	Ele. Proj. JSR	150.00	107.615	250.00	112.250	200.00	27.000	101.00	22.826	100.00	41.850	100.00	96.533	1	5.000	5	25.000	10	85.000	5	42.500	10	5,000	10	30.000	42	10.500	
37	Deoghar SF																					5	2,500					
38	Dumka SF																					5	2,500					
39	Garhwa SF																					5	2,500					
40	Hazaribag SF																					5	2,500					
41	Koderma SF																					5	2,500					
42	Latehar SF																					5	2,500					
43	Adityapur SF																					5	2,500					
44	Chaibasa SF																					5	2,500					
45	Ranchi SF																					5	2,500					
46	Simdega SF																					5	2,500					
47	Cf & Sate Silviculturist																											
48	Ranchi Training																											
49	Hazaribag Training																											
50	Chaibasa Training																											
	Total	695.00	498.615	1,000.00	449.000	1,625.00	219.375	703.00	158.878	750.00	324.338	500.00	482.664	21	105.000	23	115.000	45	382.500	30	255.000	410	205.000	50	150.000	153	38.250	

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NPV : Plantations on non-forest land falling in wildlife corridors (FY 2023-24)

(Rs. in Lakh)

Sl. No.	Name of F. Div.	Advance work for RDF block plantations/ Bamboo Plantations (1st Year work) (Non-Forest land) in wildlife corridor R.D.F./Bamboo (1000 Plants/Ha.)		Total Amount
		Area (ha.)	Amount	
1	2	3	4	5
1	Bokaro			
2	Dhanbad			
3	Giridih (E)			
4	Giridih (W)			
5	Ramgarh			
6	Deoghar			
7	Dumka			
8	Godda			
9	Jamtara			
10	Pakur			
11	Sahibganj			
12	Chatra (N)			
13	Chatra (S)			
14	Hazaribag (E)			
15	Hazaribag (W)			
16	Koderma			
17	Chaibasa			
18	Jamshedpur			
19	Kolhan			
20	Porahat			
21	Saraikela			
22	Saranda			
23	Garhwa (N)			
24	Garhwa (S)	2,300.000	1,848.542	1,848.542
25	Latehar			
26	Medininagar			
27	Gumla			
28	Khunti			
29	Lohardaga			
30	Ranchi			
31	Simdega			
32	PTR North			
33	PTR South			
34	Ele. Proj, JSR			
35	H'bag WL			
36	Ranchi WL			
37	Deoghar SF			
38	Dumka SF			
39	Garhwa SF			
40	Hazaribag SF			
41	Koderma SF			
42	Latehar SF			
43	Adityapur SF			
44	Chaibasa SF			
45	Ranchi SF			
46	Simdega SF			
	Grand Total	2,300.000	1,848.542	1,848.542

NPV : Continuing Scheme of Creation of Rescue Centre during 2023-24**(Rs. in Lakh)**

Sl. No.	Name of F. Div.	Creation of Rescue Centre (Continuing scheme)	
		No.	Amount
1	2	3	4
1	Ranchi Wildlife	1 Part	500.000
	Total	1 Part	500.000

NPV: Supply of Forest Produce Saving devices (FY 2023-24)

(Rs. in Lakh)

Sl. No.	Name of Forest Division	Distribution of Solar Lamp	
		No.	Amount
1	2	3	4
1	Bokaro	100	4.000
2	Dhanbad	100	4.000
3	Giridih (E)	100	4.000
4	Giridih (W)	100	4.000
5	Ramgarh	100	4.000
6	Deoghar	100	4.000
7	Dumka	100	4.000
8	Godda	100	4.000
9	Jamtara	100	4.000
10	Pakur	100	4.000
11	Sahibganj	100	4.000
12	Chatra (N)	100	4.000
13	Chatra (S)	100	4.000
14	Hazaribag (E)	100	4.000
15	Hazaribag (W)	100	4.000
16	Koderma	100	4.000
17	Chaibasa	100	4.000
18	Jamshedpur	100	4.000
19	Kolhan	50	2.000
20	Porahat	100	4.000
21	Saraikela	100	4.000
22	Saranda	100	4.000
23	Garhwa (N)	100	4.000
24	Garhwa (S)	100	4.000
25	Latehar	100	4.000
26	Medininagar	100	4.000
27	Gumla	100	4.000
28	Khunti	100	4.000
29	Lohardaga	100	4.000
30	Ranchi	100	4.000
31	Simdega	100	4.000
32	PTR. (N)	100	4.000
33	PTR. (S)	100	4.000
34	Hbag Wildlife	100	4.000
35	Ranchi Wildlife	50	2.000
36	Ele. Proj, JSR	100	4.000
	Total	3,500	140.000

Jharkhand CAMPA

ANNEXURE-19^{ca}

CAF Rule 5(3)a

NPV: (a) Establishment, up-gradation and maintenance of modern nurseries and other planting stock production facilities for production of quality planting materials during 2023-24

(Rs. in Lakh)

Sl. No.	Name of Forest Division	Establishment of Nurseries		Total Amount
		No.	Amount	
1	2	3	4	9
1	Bokaro			
2	Dhanbad			
3	Giridih (E)			
4	Giridih (W)			
5	Ramgarh			
6	Deoghar			
7	Dumka			
8	Godda			
9	Jamtara			
10	Pakur			
11	Sahibganj			
12	Chatra (N)			
13	Chatra (S)			
14	Hazaribag (E)			
15	Hazaribag (W)			
16	Koderma			
17	Chaibasa			
18	Jamshedpur			
19	Kolhan			
20	Porahat			
21	Saraikela			
22	Saranda			
23	Garhwa (N)			
24	Garhwa (S)			
25	Latehar			
26	Medininagar			
27	Gumla			
28	Khunti			
29	Lohardaga			
30	Ranchi			
31	Simdega			
32	PTR. (N)			
33	PTR. (S)			
34	Hbag Wildlife			
35	Ranchi Wildlife			
36	Ele. Proj, JSR			
37	Deoghar SF			
38	Dumka SF			
39	Garhwa SF			
40	Hazaribag SF			
41	Koderma SF			
42	Latehar SF			
43	Adityapur SF			
44	Chaibasa SF			
45	Ranchi SF			
46	Simdega SF			
	Total	155	1,550.000	1,550.000

NPV: (a) Establishment, up-gradation and maintenance of modern nurseries and other planting stock production facilities for production of quality planting materials during 2023-24

(Rs. in Lakh)

Sl. No.	Name of Forest Division	Establishment of Hi-Tech Nurseries		Establishment of Sisal Nurseries		Establishment of Tissue culture Lab. for planting stock		Total Amount
		No.	Amount	No.	Amount	No.	Amount	
1	2	3	4	5	6	7	8	9
1	Dumka	1	16.033	---	---	---	---	16.033
2	Sahibganj	1	16.033	---	---	---	---	16.033
3	Chatra (N)	2	32.066	---	---	---	---	32.066
4	Cf & Sate Silviculturist	---	---	1	17.669	1	49.000	66.669
	Total	4	64.133	1	17.669	1	49.000	130.802

CAF Rule 5(3)b

NPV: (b) NPV : Promoting conservation, sustainable use and documentation of biological diversity including preservation of habitats, conservation of land and folk varieties and cultivars, domesticated stocks and breeds of animals and microorganisms and chronicling of knowledge relating to biological diversity during F.Y. 2023-24

(Rs. in Lakh)

Sl. No.	Name of Forest Division	Promoting conservation, sustainable use and documentation of biological diversity through Study on ethnoforestry		Total Amount
		No.	Amount	
1	2	3	4	5
1	Cf & Sate Silviculturist	1	20.000	20.000
	Total	1	20.000	20.000

NPV work under CAF Rule 5(3)C

* Purchase and maintenance of equipment or devices used for communication and information technology for the purpose of protection of forest and wildlife during 2023-24

(Rs. in Lakh)

Sl. No.	Name of F. Div.	Purchase of Dragon Torch		Maint. of Dragon Torch		Maint. of Old Solar Street Light		Purchase of Fire fighting equipment and related to man animal conflict		Const. of VHF Tower		Total Amount
		No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Bokaro	10	0.850	10	0.100	---	---	1	5.000	---	---	5.950
2	Dhanbad	20	1.700	---	---	---	---	1	5.000	---	---	6.700
3	Giridih (E)	5	0.425	---	---	---	---	1	5.000	---	---	5.425
4	Giridih (W)	10	0.850	---	---	---	---	1	5.000	---	---	5.850
5	Ramgarh	50	4.250	17	0.170	---	---	1	5.000	---	---	9.420
6	Deoghar	30	2.550	20	0.200	---	---	1	5.000	---	---	7.750
7	Dumka	50	4.250	---	---	---	---	1	5.000	---	---	9.250
8	Godda	10	0.850	20	0.200	---	---	1	5.000	---	---	6.050
9	Jamtara	50	4.250	---	---	---	---	1	5.000	---	---	9.250
10	Pakur	50	4.250	---	---	---	---	1	5.000	---	---	9.250
11	Sahibganj	50	4.250	---	---	---	---	1	5.000	---	---	9.250
12	Chatra (N)	15	1.275	---	---	---	---	1	5.000	---	---	6.275
13	Chatra (S)	10	0.850	---	---	---	---	1	5.000	---	---	5.850
14	Hazaribag (E)	10	0.850	10	0.100	---	---	1	5.000	---	---	5.950
15	Hazaribag (W)	50	4.250	10	0.100	---	---	1	5.000	---	---	9.350
16	Koderma	50	4.250	10	0.100	---	---	1	5.000	---	---	9.350
17	Chaibasa	15	1.275	---	---	20	2.000	1	5.000	---	---	8.275
18	Jamshedpur	50	4.250	---	---	---	---	1	5.000	---	---	9.250
19	Kolhan	50	4.250	---	---	---	---	1	5.000	---	---	9.250
20	Porahat	50	4.250	---	---	---	---	1	5.000	---	---	9.250
21	Saraikela	50	4.250	4	0.040	---	---	1	5.000	---	---	9.290
22	Saranda	50	4.250	---	---	---	---	1	5.000	---	---	9.250
23	Garhwa (N)	10	0.850	---	---	---	---	1	5.000	---	---	5.850
24	Garhwa (S)	10	0.850	---	---	---	---	1	5.000	---	---	5.850
25	Latehar	50	4.250	---	---	---	---	1	5.000	---	---	9.250
26	Medininagar	20	1.700	---	---	---	---	1	5.000	---	---	6.700
27	Gumla	20	1.700	---	---	---	---	1	5.000	---	---	6.700
28	Khunti	50	4.250	---	---	---	---	1	5.000	---	---	9.250
29	Lohardaga	50	4.250	---	---	---	---	1	5.000	---	---	9.250
30	Ranchi	50	4.250	---	---	---	---	1	5.000	---	---	9.250
31	Simdega	50	4.250	20	0.200	---	---	1	5.000	---	---	9.450
32	PTR. (N)	50	4.250	20	0.200	---	---	1	5.000	2	50.000	59.450
33	PTR. (S)	50	4.250	20	0.200	---	---	1	5.000	1	25.000	34.450
34	Hbag Wildlife	10	0.850	---	---	---	---	1	5.000	---	---	5.850
35	Ranchi Wildlife	30	2.550	---	---	---	---	1	5.000	---	---	7.550
36	Ele. Proj, JSR	20	1.700	---	---	---	---	1	5.000	2	50.000	56.700
37	Deoghar SF	---	---	---	---	---	---	1	5.000	---	---	5.000
38	Dumka SF	---	---	---	---	---	---	1	5.000	---	---	5.000
39	Garhwa SF	---	---	---	---	---	---	1	5.000	---	---	5.000
40	Hazaribag SF	---	---	---	---	---	---	1	5.000	---	---	5.000
41	Koderma SF	---	---	---	---	---	---	1	5.000	---	---	5.000
42	Latehar SF	---	---	---	---	---	---	1	5.000	---	---	5.000
43	Adityapur SF	---	---	---	---	---	---	1	5.000	---	---	5.000
44	Chaibasa SF	---	---	---	---	---	---	1	5.000	---	---	5.000
45	Ranchi SF	---	---	---	---	---	---	1	5.000	---	---	5.000
46	Simdega SF	---	---	---	---	---	---	1	5.000	---	---	5.000
	Total	1,205	102.425	161	1.610	20	2.000	46	230.000	5	125.000	461.035

NPV : Up gradation and maintenance of forest roads and watch towers during 2023-24

CAF Rule 5(3)d

(Rs. in lakh)

Sl. No.	Name of Foret Division	Forest Road Repair		Maint. of Old Watch Tower		Const. of Watch Tower		Const. of Check post		Total Amount		
		Km.	Amount	No.	Amount	No.	Amount	No.	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Bokaro	45.000	12.758	5	1.250	1	7.500	---	---	---	---	21.508
2	Dhanbad	72.300	20.497	---	---	---	---	---	---	---	---	20.497
3	Giridih (W)	25.000	7.088	---	---	1	7.500	---	---	---	---	14.588
4	Ramgarh	---	---	5	1.250	1	7.500	---	---	---	---	8.750
5	Deoghar	23.000	16.521	4	1.000	1	7.500	---	---	---	---	25.021
6	Dumka	87.777	34.885	5	1.250	1	7.500	---	---	---	---	43.635
7	Godda	4.000	11.134	4	1.000	1	7.500	---	---	---	---	19.634
8	Jamtara	31.900	19.044	1	0.250	1	7.500	---	---	---	---	26.794
9	Pakur	---	---	---	---	1	7.500	---	---	---	---	7.500
10	Sahibganj	65.000	23.428	---	---	---	---	---	---	---	---	23.428
11	Chatra (N)	104.500	34.626	---	---	1	7.500	---	---	---	---	42.126
12	Chatra (S)	85.500	29.239	---	---	1	7.500	1	10.000	---	---	46.739
13	Hazaribag (E)	68.900	29.533	---	---	1	7.500	---	---	---	---	37.033
14	Hazaribag (W)	68.200	19.335	4	1.000	---	---	---	---	---	---	20.335
15	Koderma	38.500	20.915	---	---	1	7.500	---	---	---	---	28.415
16	Chaibasa	88.000	29.948	5	1.250	1	7.500	---	---	---	---	38.698
17	Jamshedpur	107.000	40.335	---	---	1	7.500	---	---	---	---	47.835
18	Kolhan	200.000	66.700	4	1.000	1	7.500	---	---	---	---	75.200
19	Porahat	200.000	61.700	1	0.250	1	7.500	1	10.000	---	---	79.450
20	Saraikela	---	---	---	---	1	7.500	---	---	---	---	7.500
21	Saranda	68.000	24.278	---	---	1	7.500	---	---	---	---	31.778
22	Garhwa (S)	64.000	18.144	---	---	---	---	---	---	---	---	18.144
23	Latehar	---	---	---	---	1	7.500	---	---	---	---	7.500
24	Gumla	70.000	19.845	---	---	---	---	---	---	---	---	19.845
25	Khunti	10.000	12.835	---	---	1	7.500	1	10.000	---	---	30.335
26	Lohardaga	152.000	53.092	---	---	1	7.500	---	---	---	---	60.592
27	Ranchi	10.000	2.835	1	0.250	1	7.500	---	---	---	---	10.585
28	Simdega	103.000	29.201	5	1.250	1	7.500	---	---	---	---	37.951
29	PTR. (N)	265.337	75.223	5	1.250	1	7.500	---	---	---	---	83.973
30	PTR. (S)	250.000	70.875	5	1.250	---	---	---	---	---	---	72.125
31	Hbag Wildlife	219.000	62.087	---	---	1	7.500	---	---	---	---	69.587
32	Ele. Proj, JSR	70.000	19.845	---	---	1	7.500	---	---	---	---	27.345
	Total	2,595.914	865.942	54	13.500	26	195.000	3	30.000	---	---	1,104.442

NPV : Construction of residential and Official Buildings in forests for frontline staffs (FY 2023-24)

156

(Rs. in lakh)

Sl. No.	Name of Forest Division	Const. of R.O.F Quarter Cum Office/Office/ Residence		Const. of Forest Guard Quarter		Const. of Camp Office R.F.O/ Inspection hut		Total Amount
		No.	Amount	No.	Amount	No.	Amount	
1	2	3	4	5	6	7	8	9
1	Bokaro							
2	Dhanbad							
3	Giridih (E)							
4	Giridih (W)							
5	Ramgarh							
6	Deoghar							
7	Dumka							
8	Godda							
9	Jamtara							
10	Pakur							
11	Sahibganj							
12	Chatra (N)							
13	Chatra (S)							
14	Hazaribag (E)							
15	Hazaribag (W)							
16	Koderma							
17	Chaibasa							
18	Jamshedpur							
19	Kolhan							
20	Porahat							
21	Saraikeela							
22	Saranda							
23	Garhwa (N)							
24	Garhwa (S)							
25	Latehar	18	810.000	20	990.000	10	156.000	1,956.000
26	Medininagar							
27	Gumla							
28	Khunti							
29	Lohardaga							
30	Ranchi							
31	Simdega							
32	PTR. (N)							
33	PTR. (S)							
34	Hbag Wildlife							
35	Ranchi Wildlife							
36	Ele. Proj, JSR							
37	Deoghar SF							
38	Dumka SF							
39	Garhwa SF							
40	Hazaribag SF							
41	Koderma SF							
42	Latehar SF							
43	Adityapur SF							
44	Chaibasa SF							
45	Ranchi SF							
46	Simdega SF							
47	Cf & Sate Silviculturist							
	Total	18	810.000	20	990.000	10	156.000	1,956.000

CAF Rule 5(3)g

**NPV : Survey and mapping of forest areas through LiDAR technology
during 2023-24**

(Rs. in Lakh)

Sl. No.	Name of F. Div.	Survey and mapping of forest areas through LiDAR technology		Total Amount
		No.	Amount	
1	2	3	4	5
1	Bokaro	1	2,938.200	2,938.200
2	Dhanbad	1		
3	Giridih (E)	1		
4	Giridih (W)	1		
5	Ramgarh	1		
6	Deoghar	1		
7	Dumka	1		
8	Godda	1		
9	Jamtara	1		
10	Pakur	1		
11	Sahibganj	1		
12	Hbag Wildlife	1		
	Total	12	2,938.200	2,938.200

NPV : Awareness Generation, Camps, Workshop, promoting voluntary activities/ study tours on conservation methods and best practices for supporting conservation activities during 2023-24

(Rs. in lakh)

Sl. No.	Name of F. Division	Awareness Generation, Camps, Workshop, promoting voluntary activities/ study tours on conservation methods and best practices	Total Amount
1	2	3	4
1	Bokaro	5.000	5.000
2	Dhanbad	5.000	5.000
3	Girdih (E)	5.000	5.000
4	Girdih (W)	5.000	5.000
5	Ramgarh	5.000	5.000
6	Deoghar	5.000	5.000
7	Dumka	5.000	5.000
8	Godda	5.000	5.000
9	Jamtara	5.000	5.000
10	Pakur	5.000	5.000
11	Sahibganj	5.000	5.000
12	Chatra (N)	5.000	5.000
13	Chatra (S)	5.000	5.000
14	Hazaribag (E)	5.000	5.000
15	Hazaribag (W)	5.000	5.000
16	Koderma	5.000	5.000
17	Chaibasa	5.000	5.000
18	Jamshedpur	5.000	5.000
19	Kolhan	5.000	5.000
20	Porahat	5.000	5.000
21	Saraikela	5.000	5.000
22	Saranda	5.000	5.000
23	Garhwa (N)	5.000	5.000
24	Garhwa (S)	5.000	5.000
25	Latehar	4.500	4.500
26	Medininagar	4.500	4.500
27	Gumla	4.500	4.500
28	Khunti	4.500	4.500
29	Lohardaga	4.500	4.500
30	Ranchi	4.500	4.500
31	Simdega	4.500	4.500
32	PTR. (N)	4.500	4.500
33	PTR. (S)	4.500	4.500
34	Hbag Wildlife	4.500	4.500
35	Ranchi Wildlife	4.500	4.500
36	Ele. Proj, JSR	4.500	4.500
37	Deoghar SF	1.000	1.000
38	Dumka SF	1.000	1.000
39	Garhwa SF	1.000	1.000
40	Hazaribag SF	1.000	1.000
41	Koderma SF	1.000	1.000
42	Latehar SF	1.000	1.000
43	Adityapur SF	1.000	1.000
44	Chaibasa SF	1.000	1.000
45	Ranchi SF	1.000	1.000
46	Simdega SF	1.000	1.000
47	Publicity Div.	16.000	16.000
48	Ranchi Training	40.000	40.000
49	Hazaribag Training	18.000	18.000
50	Chaibasa Training	17.000	17.000
Total		275.000	275.000

Jharkhand CAMPA

CAF Rule 5(3)k

NPV : Forest certification and food safety training activities during 2023-24

(Rs. in Lakh)

Sl. No.	Name of F. Div.	Forest certification and food safety training	Total Amount
1	2	6	7
1	Ranchi	4.392	4.392
2	Simdega		
3	Hazaribag Training		
	Total	4.392	4.392

Jharkhand CAMPA

ANNEXURE-27

NPV Plantation (Completion and Maintenance) 2023-24

(Rs. in lakh)

Sl. No.	Name of F. Div.	Completion work of Miscellaneous interventions using Lidar Technology (2nd & 3rd Year work)		Completion work (II year work) for Afforestation works in the Ganga basin (Forest land)		Completion work of RDF/Bamboo Block Plantation (Non-Forest land) in wildlife corridor (2nd Year work)		Completion work of SMC Block Plantation (Forest land) (2nd Year work)		Completion work of RDF Block Plantation (Forest land) (2nd Year work)		Completion work of MFP Host Tree Plantation (2nd Year work)		NPV Plantation (6th Yr. Maintenance) (Previous Year due FY 2021-22)		Maintenance of RDF Block Plantation (Forest land) (3rd Year work)		Completion work of NPV NR, Silvi & Soil Moist Conser (2nd Year work)	
		Area (ha.)	Amount	Area (No.)	Amount	Area (ha.)	Amount	Area (ha.)	Amount	Area (ha.)	Amount	Area (ha.)	Amount	Area (ha.)	Amount	Area (ha.)	Amount	Area (ha.)	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	Bokaro	---	---	---	---	25.00	10.894	50.00	16.838	50.00	19.763	50.00	48.834	---	---	100.00	15.789	400.00	45.420
2	Dhanbad	---	---	---	---	25.00	10.894	50.00	16.838	50.00	19.763	50.00	48.834	---	---	100.00	17.431	250.00	28.388
3	Giridih (E)	---	---	---	---	25.00	10.894	50.00	16.838	50.00	19.763	50.00	48.834	---	---	100.00	17.431	400.00	45.420
4	Giridih (W)	---	---	---	---	25.00	10.894	50.00	16.838	50.00	19.763	50.00	48.834	---	---	100.00	17.431	400.00	45.420
5	Ramgarh	---	---	---	---	25.00	10.894	50.00	16.838	50.00	19.763	50.00	48.834	---	---	100.00	17.431	250.00	28.388
6	Deoghar	---	---	---	---	25.00	10.894	50.00	16.838	50.00	18.525	50.00	48.834	---	---	200.00	43.075	400.00	45.420
7	Dumka	---	---	1	141.000	25.00	10.894	50.00	16.838	50.00	19.763	50.00	48.834	---	---	200.00	34.862	400.00	45.420
8	Godda	---	---	---	---	25.00	10.894	50.00	16.838	50.00	19.763	50.00	48.834	---	---	200.00	36.505	400.00	45.420
9	Jamtara	---	---	---	---	25.00	10.894	50.00	16.838	50.00	19.763	50.00	48.834	---	---	150.00	26.147	200.00	22.710
10	Pakur	---	---	---	---	25.00	10.894	50.00	16.838	50.00	19.763	50.00	48.834	---	---	---	---	300.00	34.065
11	Sahibganj	---	---	1	186.000	25.00	10.894	50.00	16.838	50.00	19.763	50.00	48.834	---	---	200.00	36.505	400.00	45.420
12	Chatra (N)	---	---	---	---	25.00	10.894	50.00	16.838	50.00	19.763	50.00	48.834	---	---	75.00	14.716	400.00	45.420
13	Chatra (S)	---	---	---	---	25.00	10.894	50.00	16.838	50.00	19.763	50.00	48.834	---	---	50.00	8.716	400.00	45.420
14	Hazaribag (E)	---	---	---	---	25.00	10.894	50.00	16.838	50.00	19.763	50.00	48.834	---	---	100.00	17.431	400.00	45.420
15	Hazaribag (W)	540.00	193.783	---	---	25.00	10.894	50.00	16.838	50.00	19.763	50.00	48.834	---	---	100.00	17.431	400.00	45.420
16	Koderma	---	---	---	---	25.00	10.894	50.00	16.838	50.00	19.763	50.00	48.834	---	---	100.00	17.431	150.00	17.033
17	Chaibasa	---	---	---	---	25.00	10.894	25.00	8.419	---	---	50.00	48.834	---	---	---	---	350.00	39.743
18	Jamshedpur	---	---	---	---	25.00	10.894	50.00	16.838	50.00	19.763	50.00	48.834	---	---	---	---	400.00	45.420
19	Kolhan	---	---	---	---	25.00	10.894	25.00	8.419	---	---	50.00	48.834	---	---	---	---	400.00	45.420
20	Porahat	---	---	---	---	25.00	10.894	25.00	8.419	---	---	50.00	48.834	---	---	---	---	400.00	45.420
21	Saraikela	---	---	---	---	25.00	10.894	50.00	16.838	50.00	19.763	50.00	48.834	---	---	---	---	400.00	45.420
22	Saranda	---	---	---	---	25.00	10.894	25.00	8.419	---	---	50.00	48.834	---	---	---	---	400.00	45.420
23	Garhwa (N)	---	---	---	---	25.00	10.894	50.00	16.838	50.00	19.763	50.00	48.834	---	---	75.00	14.716	400.00	45.420
24	Garhwa (S)	---	---	---	---	25.00	10.894	50.00	16.838	50.00	19.763	50.00	48.834	---	---	75.00	14.716	400.00	45.420
25	Latehar	---	---	---	---	25.00	10.894	50.00	16.838	50.00	19.763	50.00	48.834	---	---	100.00	17.431	100.00	11.355

Sl. No.	Name of F. Div.	Completion work of Miscellaneous interventions using Lidar Technology (2nd & 3rd Year work)		Completion work (II year work) for Afforestation works in the Ganga basin (Forest land)		Completion work of RDF/Bamboo Block Plantation (Non-Forest land) in wildlife corridor (2nd Year work)		Completion work of SMC Block Plantation (Forest land) (2nd Year work)		Completion work of RDF Block Plantation (Forest land) (2nd Year work)		Completion work of MFP Host Tree Plantation (2nd Year work)		NPV Plantation (6th Yr. Maintenance) (Previous Year due FY 2021-22)		Maintenance of RDF Block Plantation (Forest land) (3rd Year work)		Completion work of NPV NR, Silvi & Soil Moist Conser (2nd Year work)	
		Area (ha.)	Amount	Area (No.)	Amount	Area (ha.)	Amount	Area (ha.)	Amount	Area (ha.)	Amount	Area (ha.)	Amount	Area (ha.)	Amount	Area (ha.)	Amount	Area (ha.)	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
26	Medininagar	---	---	---	---	25.00	10.894	50.00	16.838	50.00	19.763	50.00	48.834	---	---	50.00	8.716	400.00	45.420
27	Gumla	---	---	---	---	25.00	10.894	50.00	16.838	50.00	19.763	50.00	48.834	---	---	100.00	14.146	400.00	45.420
28	Khunti	---	---	---	---	25.00	10.894	50.00	16.838	50.00	19.763	50.00	48.834	---	---	50.00	8.716	200.00	22.710
29	Lohardaga	---	---	---	---	25.00	10.894	50.00	16.838	50.00	19.763	50.00	48.834	---	---	50.00	8.716	350.00	39.743
30	Ranchi	---	---	---	---	25.00	10.894	50.00	16.838	50.00	19.763	50.00	48.834	---	---	150.00	27.789	400.00	45.420
31	Simdega	---	---	---	---	25.00	10.894	50.00	16.838	50.00	19.763	50.00	48.834	---	---	50.00	8.716	400.00	45.420
32	PTR North	---	---	---	---	25.00	10.894	---	---	---	---	---	---	---	---	---	---	---	---
33	PTR South	---	---	---	---	25.00	10.894	---	---	---	---	---	---	---	---	---	---	---	---
34	Ele. Proj. JSR	---	---	---	---	50.00	21.788	---	---	---	---	---	---	---	---	---	---	---	---
35	H'bag WL	---	---	---	---	44.50	19.391	---	---	---	---	---	---	---	---	---	---	---	---
36	Ranchi WL	---	---	---	---	50.00	21.788	---	---	---	---	---	---	---	---	---	---	---	---
37	Deoghar SF	---	---	---	---	50.00	21.788	40.00	13.470	50.00	19.763	50.00	48.834	---	---	---	---	200.00	22.710
38	Dumka SF	---	---	---	---	50.00	21.788	40.00	13.470	50.00	19.763	50.00	48.834	---	---	---	---	200.00	22.710
39	Garhwa SF	---	---	---	---	50.00	21.788	40.00	13.470	50.00	19.763	50.00	48.834	---	---	---	---	200.00	22.710
40	Hazanbag SF	---	---	---	---	50.00	21.788	40.00	13.470	50.00	19.763	50.00	48.834	---	---	---	---	200.00	22.710
41	Koderma SF	---	---	---	---	50.00	21.788	40.00	13.470	50.00	19.763	50.00	48.834	55.00	0.946	---	---	200.00	22.710
42	Latehar SF	---	---	---	---	50.00	21.788	40.00	13.470	50.00	19.763	50.00	48.834	---	---	---	---	200.00	22.710
43	Adityapur-SF	---	---	---	---	50.00	21.788	40.00	13.470	50.00	19.763	50.00	48.834	---	---	---	---	200.00	22.710
44	Chaibasa SF	---	---	---	---	50.00	21.788	40.00	13.470	50.00	19.763	50.00	48.834	---	---	---	---	200.00	22.710
45	Ranchi SF	---	---	---	---	50.00	21.788	40.00	13.470	50.00	19.763	50.00	48.834	---	---	---	---	200.00	22.710
46	Simdega SF	---	---	---	---	50.00	21.788	40.00	13.470	50.00	19.763	50.00	48.834	---	---	---	---	200.00	22.710
47	PI, Res & Eval	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
48	Dumka WFP	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
49	Chaibasa WFP	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
50	Cf & Sate Silviculturist	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Grand Total	540.00	193.783	2	327.000	1,469.50	640.335	1,850.00	622.988	1,850.00	729.975	2,050.00	2,002.205	55.00	0.946	2,575.00	461.988	12,950.00	1,470.473

Sl. No.	Name of F. Div.	Maintenance of NPV NR, Silvi & Soil Moist Conser (3rd Year work)		Maintenance of NPV NR, Silvi & Soil Moist Conser (4th Year work)		Maint. of Permanent Nursery (Previous Year due FY 2021-22)		Maint. of Permanent Nursery		Maint. of Mini Permanent Nursery (National Bamboo Mission)		Maint. of Hi-tech Permanent Nursery (Agro Forestry)		Maint. of Hi-tech Permanent Nursery (National Bamboo Mission)		Maint. of Sisal Permanent Nursery		Development/Strengt hening of Permanent & High-tech Nursery Infrastructure		Total Amount
		Area (ha.)	Amount	Area (ha.)	Amount	Area (ha.)	Amount	Area (ha.)	Amount	Area (ha.)	Amount	Area (ha.)	Amount	Area (ha.)	Amount	No.	Amount	No.	Amount	
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
1	Bokaro	150.00	4.928	180.00	5.913	---	---	4	55.278	---	---	2.00	14.843	---	---	---	---	1	7.500	245.998
2	Dhanbad	250.00	8.213	180.00	5.913	---	---	2	20.729	1	12.517	2.00	14.843	---	---	---	---	1	7.500	211.861
3	Girdih (E)	300.00	9.855	180.00	5.913	---	---	1	13.819	---	---	---	---	---	---	---	---	1	7.500	196.266
4	Girdih (W)	300.00	9.855	240.00	7.884	---	---	4	55.278	---	---	2.00	14.843	---	---	---	---	1	7.500	254.539
5	Ramgarh	250.00	8.213	200.00	6.570	---	---	3	34.549	---	---	2.00	14.843	---	---	---	---	1	7.500	213.821
6	Deochar	400.00	13.140	240.00	7.884	---	---	3	34.549	---	---	---	---	---	---	---	---	1	7.500	246.658
7	Dumka	200.00	6.570	240.00	7.884	---	---	1	13.819	---	---	---	---	2	45.141	---	---	1	7.500	398.524
8	Godda	400.00	13.140	180.00	5.913	---	---	3	41.458	---	---	---	---	---	---	---	---	1	7.500	246.264
9	Jamtara	55.00	1.807	---	---	---	---	1	13.819	---	---	---	---	---	---	---	---	1	7.500	168.311
10	Pakur	300.00	9.855	180.00	5.913	---	---	1	13.819	---	---	2.00	14.843	---	---	---	---	1	7.500	182.324
11	Sahibganj	180.00	5.913	180.00	5.913	---	---	4	55.278	---	---	2.00	14.843	---	---	---	---	1	7.500	453.700
12	Chatra (N)	400.00	13.140	240.00	7.884	---	---	2	27.639	---	---	---	---	---	---	---	---	1	7.500	212.627
13	Chatra (S)	400.00	13.140	300.00	9.855	---	---	3	41.458	---	---	---	---	---	---	---	---	1	7.500	222.417
14	Hazaribag (E)	300.00	9.855	300.00	9.855	---	---	4	55.278	---	---	---	---	---	---	---	---	1	7.500	241.667
15	Hazaribag (W)	400.00	13.140	360.00	11.826	---	---	2	20.729	---	---	---	---	---	---	---	---	1	7.500	406.157
16	Koderma	70.00	2.300	---	---	---	---	2	20.729	---	---	---	---	---	---	---	---	1	7.500	161.320
17	Chaibasa	150.00	4.928	---	---	---	---	1	13.819	---	---	---	---	---	---	---	---	1	7.500	134.136
18	Jamshedpur	375.00	12.319	300.00	9.855	---	---	3	41.458	1	12.517	---	---	---	---	---	---	1	7.500	225.397
19	Kolhan	400.00	13.140	130.00	4.271	---	---	1	6.910	---	---	---	---	---	---	---	---	1	7.500	145.387
20	Porahat	350.00	11.498	100.00	3.285	---	---	1	13.819	---	---	---	---	---	---	---	---	1	7.500	149.669
21	Saraikela	260.00	8.541	265.00	8.705	---	---	2	27.639	1	12.517	2.00	14.843	---	---	---	---	1	7.500	221.493
22	Saranda	400.00	13.140	400.00	13.140	---	---	---	---	---	---	---	---	---	---	---	---	---	---	139.847
23	Garhwa (N)	300.00	9.855	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	166.319
24	Garhwa (S)	400.00	13.140	400.00	13.140	---	---	1	6.910	---	---	---	---	---	---	---	---	1	7.500	197.154
25	Latehar	100.00	3.285	---	---	---	---	1	6.910	---	---	---	---	---	---	---	---	1	7.500	142.809

Sl. No.	Name of F. Div.	Maintenance of NPV NR, Silvi & Soil Moist Conser (3rd Year work)		Maintenance of NPV NR, Silvi & Soil Moist Conser (4th Year work)		Maint. of Permanent Nursery (Previous Year due FY 2021-22)		Maint. of Permanent Nursery		Maint. of Mini Permanent Nursery (National Bamboo Mission)		Maint. of Hi-tech Permanent Nursery (Agro Forestry)		Maint. of Hi-tech Permanent Nursery (National Bamboo Mission)		Maint. of Sisal Permanent Nursery		Development/Strengt hening of Permanent & High-tech Nursery Infrastructure		Total Amount
		Area (ha.)	Amount	Area (ha.)	Amount	Area (ha.)	Amount	Area (ha.)	Amount	Area (ha.)	Amount	Area (ha.)	Amount	Area (ha.)	Amount	No.	Amount	No.	Amount	
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
26	Medininagar	400.00	13.140	400.00	13.140	---	---	4	55.278	---	---	---	---	---	---	---	---	1	7.500	239.521
27	Gumla	400.00	13.140	400.00	13.140	---	---	4	55.278	---	---	---	---	---	---	---	---	1	7.500	244.952
28	Khunti	200.00	6.570	65.00	2.135	---	---	2	27.639	---	---	2.00	14.843	---	---	---	---	1	7.500	186.441
29	Lohardaga	300.00	9.855	---	---	---	---	1	13.819	---	---	---	---	---	---	---	---	1	7.500	175.960
30	Ranchi	400.00	13.140	362.00	11.892	---	---	3	41.458	---	---	---	---	2	45.141	---	---	1	7.500	288.668
31	Simdega	250.00	8.213	---	---	---	---	2	27.639	---	---	---	---	---	---	---	---	1	7.500	193.815
32	PTR North	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	10.894
33	PTR South	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	10.894
34	Ele. Proj. JSR	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21.788
35	H'bag WL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	19.391
36	Ranchi WL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21.788
37	Deoghar SF	---	---	---	---	---	---	2	27.639	---	---	2.00	14.843	---	---	---	---	1	7.500	176.547
38	Dumka SF	---	---	---	---	---	---	4	55.278	---	---	4.00	29.687	---	---	---	---	1	7.500	219.029
39	Garhwa SF	---	---	---	---	---	---	---	---	---	---	2.00	14.843	---	---	---	---	---	---	141.408
40	Hazaribag SF	---	---	---	---	---	---	---	---	---	---	2.00	14.843	---	---	---	---	---	---	141.408
41	Koderma SF	---	---	---	---	0.50	0.107	3	34.549	---	---	2.00	14.843	---	---	---	---	1	7.500	184.510
42	Latehar SF	---	---	---	---	---	---	---	---	---	---	2.00	14.843	---	---	---	---	---	---	141.408
43	Adityapur SF	---	---	---	---	---	---	---	---	---	---	2.00	14.843	---	---	---	---	---	---	141.408
44	Chaibasa SF	---	---	---	---	---	---	1	6.910	---	---	2.00	14.843	---	---	---	---	1	7.500	155.817
45	Ranchi SF	---	---	---	---	---	---	3	41.458	---	---	2.00	14.843	---	---	---	---	1	7.500	190.366
46	Simdega SF	---	---	---	---	---	---	1	13.819	---	---	4.00	29.687	---	---	---	---	1	7.500	177.571
47	Pl, Res & Eval	---	---	---	---	---	---	1	13.819	---	---	---	---	---	---	---	---	1	7.500	21.319
48	Dumka WFP	---	---	---	---	---	---	---	---	1	12.517	---	---	---	---	---	---	---	---	12.517
49	Chaibasa WFP	---	---	---	---	---	---	---	---	1	12.517	---	---	---	---	---	---	---	---	12.517
50	Cf & Sate Silviculturist	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	12.892	---	---	12.892
	Grand Total	9,040.00	296.964	6,022.00	197.823	0.50	0.107	76	1,050.279	3	62.583	40.00	296.870	4	90.281	1	12.892	36	270.000	8,727.491

- 51 -

Utilization of interest accrued on deposits in State Fund and proposed expenditure of State Authority in 2023-24

Activities to be undertaken from interest accrued on deposits in the State Fund are as under:

(Rs. In lakhs)

A	Conservation and development of forest and wildlife	Physical	Amount
(i)	To offset incremental cost of CA, CAT Plan, Integrated Wildlife Management Plan, NPV activities etc. at increased wage rates	LS	797.774
(ii)	Personnel services		
	Disbursement of salary, allowances and wages of members and staff, both regular and contractual, of State Authority	LS	350.226
	Sitting Fees and Allowances to non-official members	LS	2.000
	Sub-total (A)		1150.000
B	Non-recurring and recurring expenditure of State Authority		
(i)	Administrative Expenses		
	Office Expenses	LS	8.000
	Electricity and Power	LS	5.000
	Purchase of stationary items	LS	8.000
	Purchase of office furniture and equipments	LS	8.000
	Telephone/IT services and facilities	LS	2.000
	Works related to computer hardware/software	LS	5.000
	Hire, purchase and Maintenance of staff cars including POL	LS	25.000
	Maintenance works	LS	5.000
	Machine, equipments and tools used for communication and information technology for purposes of forest and wildlife	LS	8.000
	Rent, Rates and Taxes	LS	15.000
	Sub-total (B) (i)		89.000
(ii)	Other Expenses		
	Professional services	LS	15.000
	Contingencies and miscellaneous	LS	5.000
	Audit of CAMPA accounts	LS	21.000
	Hospitality expenses	LS	5.000
	Expenditure on travel for trainings and other relevant expenses	LS	5.000
	Publications	LS	10.000
	Sub-total (B) (ii)		61.000
	Sub-total (B)		150.000
C	Study to improve wildlife, protection of forests and Bio-diversity		
	Study to improve wildlife, protection of forests and Bio-diversity	LS	200.000
	Sub-total (C)		200.000
	TOTAL. (A) + (B) +(C)		1500.000

Jharkhand CAMPA

07-Others

Stipulated Plantation and Other Conditional Compliance of Gol during 2023-24

ANNEXURE - 29

(Rs. in Lakh)

Sl. No.	Name of F Div.	Name of Project	Area Diverted (ha)	Gol Approval Order & Date	A. Stipulated Plantation						B. Condition Compliance									
					Linear Plantation (Unit)				Linear Plantation (Gabion)		Forest Land Plantation			Linear Plantation						
					Stage-I	Name of Site	Area (K.M.)	Unit	Amount	Name of Site	Area (No.)	Amount	Name of Site	Area (ha)	Amount	Name of Site	Area (K.M.)	Unit	Amount	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		
1	Bokaro	MS Central Coatfield Limited Rajrappa Open Cast Coal Mining Project	277.150	FP/JH/MIN/3613/2004 File No. 8-21/2015FC Dated 03.09.2020	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
1	Bokaro				---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1	Bokaro				---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1	Bokaro				---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1	Bokaro				---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1	Bokaro				---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1	Bokaro				---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1	Bokaro				---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1	Bokaro				---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1	Bokaro				---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Total	---	277.150	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
2	Giridih (E)	Koderma-Giridih New Rail Line Project	119.610	F No. -8-90/2003-FC Dated 03.05.2005 (Stage-II)	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
	Total	---	119.610	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
3	Dumka	MOHANPUR-HANSDIHA NEW BG RAIL LINE	2.826	FP/JH/RAIL/30545/2017/237 dt.-04.03.22	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
	Total	---	2.826	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
4	Godda	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
	Total	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
5	Sahibganj	---	---	---	---	---	---	---	---	100	3.485	---	---	---	---	---	---	---		
	Total	---	---	---	---	---	---	---	---	100	3.485	---	---	---	---	---	---	---		
6	Chatra (N)	400 KV D/C (QUAD) Chandwa-Gaya Transmission Line	61.517	FP/JH/TRANS/3853/2012 8-3/2014-FC Dated 12/12/0214	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
	Total	---	61.517	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
7	Chatra (S)	220KV D/C Chatra to Latehar Transmission Line (Package-B)	140.125	PF/JH/TRANS/35914 PF/JH/TRANS/35914/2014/3 241 DT. 27.06.2019	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
7	Chatra (S)	Pakribarwadih Coal Mines Project NTPC Barkegeon to Chatra 220 KV Transmission Line, (Package- C)	75.590	PH/JH/TRANS/35719 PH/JH/TRANS/35719/2013/ 370 dt. 30.06.2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
7	Chatra (S)	Chandwa-Gaya Transmission Line 400 KV	144.234	F. No. 8-3/2014 Fc dt. 12.12.2014	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
	Total	---	359.949	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		

Sl. No.	Name of F Div.	Name of Project	Area Diverted (ha)	Gol Approval Order & Date	A. Stipulated Plantation						B. Condition Compliance								
					Linear Plantation (Unit)				Linear Plantation (Gabion)		Forest Land Plantation			Linear Plantation					
					Stage-I	Name of Site	Area (K.M.)	Unit	Amount	Name of Site	Area (No.)	Amount	Name of Site	Area (ha)	Amount	Name of Site	Area (K.M.)	Unit	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
8	Koderma	2 x 500 = 1000 Super Thermal Power Plant, Koderma	155.150	F. NO. - 8-40 / 2007- FC Dt. 14.01.2008															
8	Koderma	Four Lining of Barhi to Koderma Section of NH-31	3.782	FP / JH / Road / 16883 / 2015 / 2610 dt. 27.09.2018															
8	Koderma	Koderma - Giridih Railway Project	25.100	F. NO. - 8-90 / 2003 - FC Dt. 11.12.2003															
	Total		184.032																
9	Kolhan	132 KV D/C Transmission	4.77 Ha.	FP/JH/TRANS/18090/2016 FP/JH/TRANS/16090/2016/1020 of 05.01.2017								Kaide, Johogutu, Sonpokhri, Ghagra, Manoharpur, Dhipe	3.600	5.393					
	Total												3.600	5.393					
10	Saraikela	NH-32	6.569	FP/JH/Road/ 35752/2018 FP/JH/Road/ 35752/2018/ 3622 dt. 28.11.19															
10	Saraikela																		
10	Saraikela																		
10	Saraikela																		
10	Saraikela																		
10	Saraikela																		
10	Saraikela																		
10	Saraikela																		
10	Saraikela																		
	Total		6.569																
11	Latehar	Chatra to Latehar 220 KV TM Line	59.959	FP/JH/TRANS/35914/2014/3241 dt. 27.06.2019															
	Total		59.959																
12	Khunti	132 KV D/C Khunti-Tamar Transmission Line	6.770	FP/JH/TRANS/30026/2017/3112 dt.- 03/05/2019 FP/JH/Trans/30026/2017/478 dt.- 19/08/2022												2.500	25.000	38.217	
12	Khunti	765 kV D/C Ranchi-Medinipur Transmission Line	31.307	FP/JH/TRANS/33110/2018/3376 dt.-22/08/2019 FP/JH/TRANS/33110/2019/4929 dt.-30/09/2021												8.100	81.000	123.823	
	Total		38.077													10.600	106.000	162.040	
13	Ranchi				Churugarha, Naro, Tota, Ambi, Jhinhri	15.810		24.169											
	Total					15.810		24.169											
	Grand		1,109.689			15.810		24.169		100	3.485		3.600	5.393		10.600	106.000	162.040	

Sl. No	Name of F. Div.	B. Condition Compliance																					
		Silvicultural Operation			Soil & Moisture conservation			Construction of Check Dam			Construction of Forest Boundary Pillars			Protection of Flora & Fauna			Nature Park-cum-Environmental Education Centre			Soil and Water Conservation Work			
		Name of Site	Area (ha)	Amount	Name of Site	Area (ha)	Amount	Name of Site	Area (No.)	Amount	Name of Site	Area (No.)	Amount	Name of Site	Area (ha)	Amount	Name of Site	Area (No.)	Amount	Name of Site	Area (K.M.)	Unit	Amount
1	2	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
1	Bokaro	---	---	---	---	---	---	---	---	---	Penk (Ch. No.-06)	214	18.351	---	---	---	---	---	---	---	---	---	---
1	Bokaro	---	---	---	---	---	---	---	---	---	Penk (Ch. No.-04)	353	30.270	---	---	---	---	---	---	---	---	---	---
1	Bokaro	---	---	---	---	---	---	---	---	---	Penk (Ch. No.-07)	404	34.643	---	---	---	---	---	---	---	---	---	---
1	Bokaro	---	---	---	---	---	---	---	---	---	Penk (Ch. No.-08)	186	15.950	---	---	---	---	---	---	---	---	---	---
1	Bokaro	---	---	---	---	---	---	---	---	---	Penk (Ch. No.-09)	84	7.203	---	---	---	---	---	---	---	---	---	---
1	Bokaro	---	---	---	---	---	---	---	---	---	Nawadih (Chadar No. 01+02)	216	18.522	---	---	---	---	---	---	---	---	---	---
1	Bokaro	---	---	---	---	---	---	---	---	---	Gopalpur	288	24.696	---	---	---	---	---	---	---	---	---	---
1	Bokaro	---	---	---	---	---	---	---	---	---	Nawadih	152	13.034	---	---	---	---	---	---	---	---	---	---
1	Bokaro	---	---	---	---	---	---	---	---	---	Tangtona	202	17.322	---	---	---	---	---	---	---	---	---	---
1	Bokaro	---	---	---	---	---	---	---	---	---	Banga	228	19.551	---	---	---	---	---	---	---	---	---	---
	Total	---	---	---	---	---	---	---	---	---	2,327	199.540	---	---	---	---	---	---	---	---	---	---	---
2	Giridih (E)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Total	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3	Dumka	---	---	---	---	---	---	---	---	---	Dundia	25	1.864	---	---	---	---	---	---	---	---	---	---
	Total	---	---	---	---	---	---	---	---	---	25	1.864	---	---	---	---	---	---	---	---	---	---	---
4	Godda	---	---	---	Chota Saharpur	100.000	41.850	---	---	15	150.000	---	---	---	---	---	---	---	---	---	---	---	---
	Total	---	---	---	---	100.000	41.850	---	---	15	150.000	---	---	---	---	---	---	---	---	---	---	---	---
5	Sahibganj	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Total	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6	Chatra (N)	---	---	---	Godre to Urailli	61.517	24.914	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Total	---	---	---	---	61.517	24.914	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7	Chatra (S)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7	Chatra (S)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7	Chatra (S)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Total	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	144.234	---	24.330
	Total	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	144.234	---	24.330

Sl. No.	Name of F Div.	B. Condition Compliance																						
		Silvicultural Operation			Soil & Moisture conservation			Construction of Check Dam			Construction of Forest Boundary Pillars			Protection of Flora & Fauna			Nature Park-cum-Environmental Education Centre			Soil and Water Conservation Work				
		Name of Site	Area (ha)	Amount	Name of Site	Area (ha)	Amount	Name of Site	Area (No.)	Amount	Name of Site	Area (No.)	Amount	Name of Site	Area (ha)	Amount	Name of Site	Area (No.)	Amount	Name of Site	Area (K.M.)	Unit	Amount	
1	2	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	
8	Koderma	---	200.000	143.486	---	---	---	---	10	156.100	---	---	---	---	4,607.840	75.684	---	---	---	---	---	---	---	
8	Koderma	---	---	---	---	45.000	71.430	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
8	Koderma	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	Total	---	200.000	143.486	---	45.000	71.430	---	10	156.100	---	---	---	---	4,607.840	75.684	---	---	---	---	---	---	---	
9	Koihan	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	Total	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
10	Saraikela	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	Sirka (Part-A)	---	---	81.388	---
10	Saraikela	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	Sirka (Part-B)	---	---	19.626	---
10	Saraikela	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	Sirka Plot-21	---	---	27.914	---
10	Saraikela	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	Sirka Plot-71	---	---	48.168	---
10	Saraikela	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	Tetto-Part-A	---	---	16.805	---
10	Saraikela	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	Tetto-Part-B	---	---	14.286	---
10	Saraikela	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	Ghoraling Plot-2643	---	---	26.777	---
10	Saraikela	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	Ghoraling Plot-2716	---	---	60.109	---
10	Saraikela	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	Ghoraling Plot-2235	---	---	51.875	---
10	Saraikela	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	Ghoraling Plot-2613	---	---	40.525	---
	Total	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	387.472	---
11	Latehar	---	---	---	---	---	63.640	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Total	---	---	---	---	---	63.640	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
12	Khunti	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
12	Khunti	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Total	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
13	Ranchi	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Total	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Grand	---	200.000	143.486	---	206.517	201.834	---	25	306.100	---	---	2,352	201.405	---	4,607.840	75.684	---	---	---	---	---	387.472	---
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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Sl. No	Name of F Div.	Soil and Water Conservation Work						Total Amount	
		Soil and Water Conservation Work				Rent of Vehicle			
		Name of Site	Area (ha)	Unit	Amount	Name of Site	Area (No.)		Amount
1	2	42	43	44	45	46	47	48	49
1	Bokaro	---	---	---	---	---	---	---	18.351
1	Bokaro	---	---	---	---	---	---	---	30.270
1	Bokaro	---	---	---	---	---	---	---	34.643
1	Bokaro	---	---	---	---	---	---	---	15.950
1	Bokaro	---	---	---	---	---	---	---	7.203
1	Bokaro	---	---	---	---	---	---	---	18.522
1	Bokaro	---	---	---	---	---	---	---	24.696
1	Bokaro	---	---	---	---	---	---	---	13.034
1	Bokaro	---	---	---	---	---	---	---	17.322
1	Bokaro	---	---	---	---	---	---	---	19.551
	Total	---	---	---	---	---	---	---	199.540
2	Girdih (E)	---	---	---	---	---	1	7.500	7.500
	Total	---	---	---	---	---	1	7.500	7.500
3	Dumka	---	---	---	---	---	---	---	1.864
	Total	---	---	---	---	---	---	---	1.864
4	Godda	---	---	---	---	---	---	---	191.850
	Total	---	---	---	---	---	---	---	191.850
5	Sahibganj	---	---	---	---	---	---	---	3.485
	Total	---	---	---	---	---	---	---	3.485
6	Chatra (N)	---	---	---	---	---	---	---	24.914
	Total	---	---	---	---	---	---	---	24.914
7	Chatra (S)	Halmta, Madhopur, Tonatar, Selwe, Rajwar, Umadhi, Ichak, Bai, Titaya, Noongaon, Lemboi, Barwar, Banwara, Kubba, Bajowar, Nawadhi Damaul, Ichakkhurd, Loabga, Banasadi, Ichakkala, Bagra, Serendag, Kutrengania, Tundag	140.125	---	40.585	---	---	---	40.585
7	Chatra (S)	Birhu, Torar, Angara, Meral, Simratari, Khaira, Duari, Halmata, Madhopur, Serad, Rajwar, Kewta, Tonatar, Khurd	75.590	---	20.124	---	---	---	20.124
7	Chatra (S)	---	---	---	---	---	---	---	24.330
	Total	---	216	---	60.709	---	---	---	85.039

Sl. No	Name of F Div.	Soil and Water Conservation Work							Total Amount
						Rent of Vehicle			
		Name of Site	Area (ha)	Unit	Amount	Name of Site	Area (No.)	Amount	
1	2	42	43	44	45	46	47	48	49
8	Koderma								375.270
8	Koderma								71.430
8	Koderma						1	12.500	12.500
	Total						1	12.500	459.200
9	Kolhan								5.393
	Total								5.393
10	Saraikela								81.388
10	Saraikela								19.626
10	Saraikela								27.914
10	Saraikela								48.168
10	Saraikela								16.805
10	Saraikela								14.286
10	Saraikela								26.777
10	Saraikela								60.109
10	Saraikela								51.875
10	Saraikela								40.525
	Total								387.472
11	Latehar								63.640
	Total								63.640
12	Khunti								38.217
12	Khunti								123.823
	Total								162.040
13	Ranchi								24.169
	Total								24.169
	Grand		216		60.709		2	20.000	1,616.108

Jharkhand CAMPA

Name of sites and GPS Co-ordinates of NPV Plantation (4th Year Maintenance) activities during 2023-24

Sl. No.	Name of F. Div.	Silvi, NR & SMC 4th Year		
		Name of Site	Area (ha.)	GPS Co-ordinates
1	2	3	4	5
1	Dhanbad	Saraidaha	50.00	N- 23°54'41.13" E- 86°19' 01.36"
		Kakarchuri	40.00	N- 23°54'56.59" E- 86°19' 29.12"
		Kolkamardih	50.00	N- 23°57.06' E- 86°32.24'
		Durgapur	40.00	N- 23°49.19' E- 86°47.57'
		Total	180.00	
2	Giridih East	Gurha	50.00	N-24°13'0.5" E-086°13'29"
		Naglo	30.00	N-23°56'29" E-085°59'59"
		Barasingha	25.00	N-24°01'49.18" E-086°12'07.61"
		Kanadih	25.00	N-24°01'49.12" E-086°11'18.613"
		Nawadih	50.00	N-24°02'47.23" E-086°10'30.77"
		Total	180.00	
3	Giridih West	Khatori	70.00	N-24°31'00.35" E-085°03'29.26"
		Karmatanr	50.00	N-24°31'34.24" E-085°03'19.48"
		Bhabhani	30.00	N-24°28'04.62" E-086°53'11.66"
		Shatibad, Kumharia	40.00	N-24°19'18.00" E-086°25'39.00"
		Bandgari, Bishnisharan	50.00	N-24°18'41.10" E-086°19'20.08" N-24°18'41.18" E-086°20'05.60"
		Total	240.00	
4	Ramgarh	KK Basaudi	50.00	N-23°47'22" E-085°30'05"
		Chatak	40.00	N-23°30'53.08" E-085°35'03.83"
		Goratu	40.00	N-23°33'16.52" E-085°33'07.57"
		Total	130.00	

Sl. No.	Name of F. Div.	Silvi, NR & SMC 4th Year		
		Name of Site	Area (ha.)	GPS Co-ordinates
1	2	3	4	5
13	Saranda	Tirilposi	100.00	N 22°15'26.74" E 85°04'00.28"
		Ghatkuri	100.00	N 22°11'22.24" E 85°18'44.66"
		Ankua	100.00	N 22°19'10.16" E 85°24'33.45"
		Thalkobad	100.00	N 22°7'24" E 85°11'14"
		Total	400.00	
14	Jamshedpur	Tungburu, Sarjumali	30.00	N22°50'09" E85°58'55"
		Poklabera	55.00	N22°52'23.44" E86°06'10.15"
		Mudakati, Khadikasoli	45.00	N22°52'04.42" E86°01'28.08"
		Venasoli, Jharia	50.00	N22°49'10.7" E85°41'29.02"
		Jugitopa, Purnapani	50.00	N22°56'14.871" E86°01'59.367"
		Darda	50.00	N22°58'3.615" E85°52'12.886"
		Jhabri	50.00	N22°57'31.892" E85°55'4.051"
		Total	330.00	
		15	Saraikela	Baldevpur
Reyarda	55.00			N22°52'23.44" E86°06'10.15"
Khudibera	45.00			N22°52'04.42" E86°01'28.08"
Gogamarcha	50.00			N22°49'10.7" E85°41'29.02"
Rudia	50.00			N22°56'14.871" E86°01'59.367"
Darda	50.00			N22°58'3.615" E85°52'12.886"
Jhabri	50.00	N22°57'31.892" E85°55'4.051"		

Sl. No.	Name of F. Div.	Silvi, NR & SMC 4th Year		
		Name of Site	Area (ha.)	GPS Co-ordinates
1	2	3	4	5
		Chotakdundi	70.00	N-23°41'18.4560" E-085°35'55.3416"
		Bongabaha	50.00	N-23°42'48.56" E-085°32'15.81"
		Total	250.00	
5	Deoghar	Tulsitanr	40.00	N24°34'16.49" E86°36'19.02"
		Jharkhandi	40.00	N24°25'08.69" E86°45'37.92"
		Badiya	60.00	N24°20'24.55" E86°47'01.41"
		Bhuliyamami	10.00	N24°23'50.34" E86°34'04.43"
		Abdharigadar, Rana	50.00	N24°31'22.71" E86°35'17.25" N24°32'09.46" E86°34'25.86"
		Jeetpur	40.00	N24°84'6.74" E86°29'5.52"
		Total	240.00	
6	Godda	Kumaha	50.00	N- 24°62788" E- 87°369895"
		Kamopahari	30.00	N- 24°562495 E- 87°405313"
		Rohra, Baridih	50.00	N- 24°881959 E- 87°390436"
		Kalajhar	50.00	N- 24°738103 E- 87°335238"
		Total	150.00	
7	Pakur	Mahuatand	50.00	24° 47.197' 87° 31.251'
		Chhotachatkam	28.00	24° 39.480' 87° 37.260'
		Fulpahari	19.00	24° 38.200' 87° 39.020'
		Kusumdangal	35.00	24° 38.390' 87° 39.240'
		Tilaipara	50.00	24° 35.058' 87° 30.209'
		Total	182.00	
8	Chatra (N)	Bindhani	50.00	24° 16.673' 85° 05.859'
		Butkiyo	50.00	24° 10.146' 84° 34.992'
		Kundi	50.00	24° 16.101' 84° 40.487'

Sl. No.	Name of F. Div.	Silvi, NR & SMC 4th Year		
		Name of Site	Area (ha.)	GPS Co-ordinates
1	2	3	4	5
		Total	360.00	
16	Porahat	Kopa DPF - 12	50.00	N22°47'09.72" E85°21'56.57"
		Birda -02 (Kokorbo)	50.00	N22°49'61.42" E85°19'67.40"
		Bera-36 (Charbari)	50.00	N22°33'08.60" E85°18'50.66"
		Bera-34 (Chirungbera)	50.00	N22°33'39.39" E85°29'20.89"
		Bera-31 (Tamsai)	50.00	N22°29'19.24" E85°18'03.97"
		Bera-27 (Jarakel)	50.00	N22°35'53.93" E85°22'57.95"
		Boroyta (Joromata)	50.00	N22°27'41.02" E85°06'45.95"
		Mukundpur	50.00	N22°29'58.5" E85°15'14.5"
		Total	400.00	
17	Kolhan	Dumbuli RF	50.00	N22°21'28" E85°15'20"
		Ganbore PF Raidih	80.00	N22°25'42.79" E85°13'2786"
		Amnari & Billa 20 Jhiruan	40.00	N22°30'35.57" E85°18'2.33"
		Santra RF 17	80.00	N22°33'51.63" E85°28'59.85"
		Saitba	50.00	N22°36'48.23" E85°43'10.35"
		Chirubera	50.00	N22°36'49.89" E85°38'41.03"
		Thakuraguttu PF	50.00	N22°39'20.25" E85°42'50.71"
		Total	400.00	
18	Latehar	Boda	50.00	N22°38'7.78" E84°41'7.07"
		Chandil	50.00	N23°70'605" E84°89'908"
		Gardag	50.00	N23°48'22.4" E84°41'32.6"
		Shanti	50.00	N23°70'60.58" E84°89'90.60"
		Bishunbandh	50.00	N23°77'26.85" E84°35'07.54"
		Jobla	50.00	N23°87'93.72" E84°49'62.82"

Sl. No.	Name of F. Div.	Silvi, NR & SMC 4th Year		
		Name of Site	Area (ha.)	GPS Co-ordinates
1	2	3	4	5
		Sagasot	50.00	24° 26.23' 84° 41.38'
		Dari	40.00	24° 15.300' 84° 43.280'
		Total	240.00	
9	Chatra (S)	Gangpur	50.00	24° 09.49.61' 85° 06.14.21'
		Kendu	50.00	23° 59.58.14' 84° 54.42.10'
		Banhe	50.00	24° 09.35' 84° 93.20'
		Saradu	50.00	23° 50.32.72' 84° 58.02.73'
		Sisai	50.00	23° 55.44.85' 85° 02.01.18'
		Rajwar	50.00	24° 13.26.55' 85° 08.44.35'
		Total	300.00	
10	Hazaribag (E)	Bagodih	50.00	N-24°11'514" E-085°57'094"
		Barki Narki	50.00	N-23°53'734" E-085°50'164"
		Bendi	50.00	N-23°53'030" E-085°40'524"
		Daru	50.00	N-24°1'291" E-085°34'354"
		Digwar	29.00	N-23°57'726" E-085°32'163"
		Jamua	36.00	N-23°59'255" E-085°44'344"
		Peto	35.00	N-24°1'547" E-085°31'869"
				Total
11	Hazaribag (W)	Hudua	65.00	N 23°57'05.07" E 085°13'56.80"
		Chinchi	50.00	N 23°56'16.82" E 085°15'29.60"
		Rohania	45.00	N 24°14'5.82" E 085°33'31.15"
		Bhikhnadih	50.00	N 24°16'29.90" E 085°42'3.43"
		Parwatta	50.00	N 24°8'59.60" E 085°37'9.92"
				Total

Sl. No.	Name of F. Div.	Silvi, NR & SMC 4th Year		
		Name of Site	Area (ha.)	GPS Co-ordinates
1	2	3	4	5
		Baheratar	60.00	N23°41'03.20" E84°23'29.50"
		Hesalbar	40.00	N23°47'24" E84°29'57"
		Total	400.00	
19	Ranchi	Rupdu	60.00	N23°38'4.74" E85°59'4.12"
		Jidu	40.00	N23°21'37.18" E85°45'22.47"
		Rarha	60.00	N23°33'29" E85°19'42"
		Echadag	60.00	N23°54'24.59" E85°47'03.52"
		Dola	45.00	N23°27'67.86" E85°07'49.10"
		Ghaghra	35.00	N23°30'20.47" E84°93'11.17"
		Ara	100.00	N23°32'57" E84°58'11"
				Total
20	Simdega	Lachragarh	37.00	N22°37'45.6" E84°50'6"
		Parba	40.00	N22°28'19.99" E84°50'01.45"
		Awarabahar	45.00	N22°28'19.92" E84°50'01.56"
		Konsera	20.00	N22°42'44" E84°30'13"
		Ghaghra	37.00	N22°42'19" E84°30'43"
				Total
21	Garhwa (S)	Bhour	50.00	N23°50'20" E83°42'10"
		Bardari	50.00	N23°51'54" E83°39'38"
		Kasmar	50.00	N23°33'09" E85°52'20"
		Chutiya	50.00	N23°50'25" E85°43'47"
		Harta	50.00	N23°51'34" E83°37'29"
		Karchali	50.00	N23°44'27" E83°46'16"

Sl. No.	Name of F. Div.	Silvi, NR & SMC 4th Year		
		Name of Site	Area (ha.)	GPS Co-ordinates
1	2	3	4	5
		Ujrahidighi	50.00	N 24°7'48.18" E 085°32'21.64"
		Salga	50.00	N 23°59'36.67" E 085°14'58.37"
		Total	360.00	
12	Koderma	Chanako	30.00	N 24°30.27.2 E 85°27.08.0
		Naudiha	30.00	N 24°30.891 E 85°30.281
		Ratansota	40.00	N 24°28'09.0 E 85°56'56.5
		Total	100.00	

Sl. No.	Name of F. Div.	Silvi, NR & SMC 4th Year		
		Name of Site	Area (ha.)	GPS Co-ordinates
1	2	3	4	5
		Madgari	50.00	N23°44'51" E83°44'51"
		Birajpur	50.00	N23°49'42" E83°50'49"
		Total	400.00	

Jharkhand CAMPA

Name of sites and GPS Co-ordinates of Permanent Nursery during 2023-24

Sl. No.	Name of F. Div.	Maint. of Permanent Nursery		
		Name of Site	Area (ha.)	GPS Co-ordinates
1	2	3	4	5
1	Bokaro	Chas	1	N-23°36.441' E-086°10.243'
		Kharpito	0.5	N-23°36.451' E-086°10.243'
		Lalpania	0.5	N-23°44.676' E-085°46.172'
		Gomia	0.5	N-23°48.148' E-085°49.463'
		Bundu	1	N-23°36.926' E-085°50.420'
		Tandbali Dih	0.5	N-23°32.00.85' E-085°56.10.23'
		Total	4.00	
2	Dhanbad	Aamaghata	0.5	N 23° 49.597 E 86° 29.862
		Ghorathi	0.5	N 23° 58.010 E 86° 29.21.17
		Gadi Tundi	0.5	N 23° 49.8.77" E 86° 11.24.31
		Total	1.50	
3	Giridih East	Jambad	1	N24°14'535" E86°22'910"
		Total	1.00	
4	Giridih West	Jamua	1	N-24°21.33.83' E-086°09.08.58'
		Bandetanr	1	N-24°19.101' E-085°56.016'
		Gardih	1	N-24°19.101' E-085°56.016'

Sl. No.	Name of F. Div.	Maint. of Permanent Nursery		
		Name of Site	Area (ha.)	GPS Co-ordinates
1	2	3	4	5
18	Chatra (S)	Nagwan	1.00	N 24° 12' 093" E 84° 53' 459"
		Gidhour	1.00	N 24° 10' 525" E 85° 00' 473"
		Bagra	1.00	N 24° 02' 121" E 85° 51' 245"
		Total	3.00	
19	Hazaribag (W)	Hazaribag lake permanent nursery	1.00	N 24°00'42.16" E 85°21'59.75"
		Devchanda permanent nursery	0.5	N 24°16'39.9" E 85°23.020"
		Total	1.50	
20	Koderma	Chourahi	0.50	N 24° 26.571 E 85° 28.944
		Baidhdih	0.50	N 24° 44.966 E 85° 45.829
		Bariyardih	0.50	N 24° 26.67 E 85° 48.849
		Total	1.50	
21	Lohardaga	Bakshidipa	0.50	23°24'4.00"N 84°40'11.2"E
		Kuru	0.50	23°32'357"N 84°49'298"E
		Total	1.00	
22	Jamshedpur	Dighi	1	N-22°28'14.0' E-86°43'15.9'
		Kakrisol	1	N-22°38'509' E-86°26'467'

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Sl. No.	Name of F. Div.	Maint. of Permanent Nursery		
		Name of Site	Area (ha.)	GPS Co-ordinates
1	2	3	4	5
		Bishanpur	1	N-24°23.28.08' E-086°07'48.86'
		Total	4.00	
5	Ramgarh	Rajrappa	0.5	N-23°35.323' E-085°40.242'
		Bhurkunda	1	N-23°38.573' E-085°21.349'
		Muramkala	0.5	N-23°42.623' E-085°53.775'
		Purabdih	0.5	N-23°30.290' E-085°44.945'
		Total	2.50	
6	Godda	Sarkanda	1.00	N 24° 47.59.4" E 86° 12.39.6"
		Karmatand	1.00	N 24° 829054 E 86° 317333
		Gudia	1.00	N 25° 01.21.43" E 87° 18'33.34"
		Total	3.00	
7	Pakur	Durgapur	1	N24°37'864" E86°49'025"
		Total	1.00	
8	Porahat	Kandeyang	1	N22°46'224" E85°22'436"
		Total	1.00	
9	Medininagar	Kundri	1	N24°05'21.22" E84°26'7.77"
		Pursottampur	1	N24°29'75.94" E84°26'13.85"
		Saguni	1	N24°17'46.62" E84°17.0254"
		Chhatarpur	0.5	N24°22'14" E84°11'19"
		Chakharbhonga	0.5	N24°03'9.869" E84°02'16.935"
		Total	4.00	

Sl. No.	Name of F. Div.	Maint. of Permanent Nursery		
		Name of Site	Area (ha.)	GPS Co-ordinates
1	2	3	4	5
		Dumaria (Rangamatia)	0.5	N-22°31'16.0' E-86°28'15.6'
		Dighi	0.5	N-22°28'16" E-86°46'23.6"
		Total	3.00	
23	Saraikele	Kandra	1.00	N22°50'47.89" E86°02'57.38"
		Tetlo	1.00	N22°50'47.30" E86°06'49.93"
		Total	2.00	
24	Gumla	Pilkhimor Sisai	1.00	
		Chainpur	1.00	N23°08'13.73" E84°14'58.26"
		Dewaki	1.00	N23°17'03.58" E84°30'55.18"
		Koinara	1.00	N22°58'44.08" E84°37'16.5"
		Total	4.00	
25	Ranchi	Sidrol	1.00	23°56'15.84 85°13'49.13
		Dhruwa	1.00	23°30'12.80 85°27'14.40
		Mahilong	1.00	23°21'33" 85°25'53"
		Total	3.00	
26	Khunti	Kamanta	1.00	23°03'08.6" 85°17'08.6"
		Murldih	1.00	23°02'38.59" 85°40'19"
		Total	2.00	
27	Simdega	Gotra	1.00	N22°38'12.96" E84°29'29.42"
		Jokari	1.00	N22°40'27.4" E84°34'05.2"
		Total	2.00	

Sl. No.	Name of F. Div.	Maint. of Permanent Nursery		
		Name of Site	Area (ha.)	GPS Co-ordinates
1	2	3	4	5
10	Latehar	Tasatbar	0.5	N23°49'46.74" E84°48'54.03"
		Total	0.50	
11	Dumka	Bandarjori	1.00 ha.	N24°15'06.4" E87°15'13.0"
		Total	1.00	
12	Sahibganj	Betauna	2	25°12'57.28"N 87°36'57.24"E
		Panchgarh	2	25°13'32.24"N 87°38'26.56"E
		Total	4.00	
13	Jamtara	Gaichand	1	22°95'807"N 86°788236"E
		Total	1.00	
14	Garhwa (S)	Serasam	0.5	N24°01'10" E83°47'50"
		Total	0.50	
15	Hazaribag (E)	Meru	1	24°01.107 N 85°23.772 E
		Nawada	1	24°00.196 N 85°45.749 E
		Karamba	1	24°08.020 N 85°52.388 E
		Mandramo	1	24°09.961 N 85°52.744 E
		Total	4.00	
16	Deoghar	Burhai	0.5	24°01.107 N 85°23.772 E
		Devipur	0.5	24°00.196 N 85°45.749 E
		Khijuriya	0.5	24°08.020 N 85°52.388 E
		Phutabandh	0.5	24°09.961 N 85°52.744 E
		Karnibag	0.5	
		Total	2.50	

Sl. No.	Name of F. Div.	Maint. of Permanent Nursery		
		Name of Site	Area (ha.)	GPS Co-ordinates
1	2	3	4	5
28	Chaibasa	Bidri	0.50	N22°21'38.66" E85°50'54.31"
		Kuira	0.50	N22°14'1392" E85°44'03.50"
		Total	1.00	
29	Kolhan	Mahudiha	0.5	N22°34'26.06" E85°27'47.11"
		Total	0.50	
30	Koderma SF	Koderma	0.5	N 24°28'44.5" E 85°35'49.5"
		Lohadanda	1	N 24°23'42" E 85°39'8.4"
		Paphara	1	N 24°21'237" E 85°49'444"
		Total	2.5	
31	Dumka SF	Amarpur	1.00	N 24°2' 43.7" E 87°25' 46.5"
		Kathikund	1.00	N 24°25'14.8" E 87°9' 2.4"
		Gowasol	1.00	N 24°5' 50" E 87°9'42"
			1.00	
		Total	4.00	
32	Chaibasa SF	Gajidih	0.5	N 22°46'268" E 85°38'839"
		Total	0.50	
33	Simdega SF	Kurdeg	1	N 22°33'730" E 84°07'28.2"
		Total	1.00	
34	Deoghar SF	Sagarbhanga	1	N 24°14'02.6" E 86°52'47.7"
		Pathra	1	N 24°14'13.3" E 86°43'6.20"
		Total	2	
35	Ranchi SF	Tiril Dhurwa	1	N 23°18'12.8" E 88°16'10.5"

Sl. No.	Name of F. Div.	Maint. of Permanent Nursery		
		Name of Site	Area (ha.)	GPS Co-ordinates
1	2	3	4	5
17	Chatra (N)	Huntergunj	1.00	N 24° 28' 212" E 84° 48' 310"
		Pratappur	0.50	N 24° 18' 105" E 84° 37' 210"
		Rajpur	0.50	N 24° 18' 101" E 85° 01' 005"
		Total	2.00	

Sl. No.	Name of F. Div.	Maint. of Permanent Nursery		
		Name of Site	Area (ha.)	GPS Co-ordinates
1	2	3	4	5
		Ramdera	1	N 23° 21' 56.3" E 85° 48' 25"
		Sundari	1	
		Total	3	
36	PI, Res & Eval.	Barwe	1	
		Total	1.00	
		Grand Total	76.0	

Jharkhand CAMPA

Name of sites and GPS Co-ordinates of Hi-Tech Nursery during 2022-23

Sl. No.	Name of F. Div.	Maint. of Hi-Tech Nursery		
		Name of Site	Area (ha.)	GPS Co-ordinates
1	2	3	4	5
1	Bokaro	Kharpito	2	N 24°23'28.08" E 86°07'48.86"
		Total	2.00	
2	Dhanbad	Parsatand	2	N 23°59'38.70" E 86°27'21.17"
		Total	2.00	
3	Ramgarh	Mandu	2	N 23°48.10" E 85°28.60"
		Total	2.00	
4	Girdih West	Tetaryamo	2	N 24°23'28.08" E 86°07'48.86"
		Total	2.00	
5	Pakur	Durgapur	2	N24°37'869" E86°49'025"
		Total	2.00	
6	Sahibganj	Danwar (Borio)	2	25° 2'21.44"N 87°34'23.49"E
		Total	2.00	
7	Saraikela	Gutubera	2	N 22°50'27.79" E 86°03'04.99"
		Total	2.00	
8	Khunti	Katamkuku	2	23°3'1"N 85°41'6"E
		Total	2.00	
9	Deochar SF	Jharkhandi	2	N 24°25'32.9" E 85°44'49.1"
		Total	2.00	

Sl. No.	Name of F. Div.	Maint. of Hi-Tech Nursery		
		Name of Site	Area (ha.)	GPS Co-ordinates
1	2	3	4	5
10	Dumka SF	Duladih	2	N 23°96'22" E 86°79'45"
		Sukherbia	2	N 23°16'09.22" E 86°9'35'07"
		Total	4.00	
11	Hazaribag SF	Charwa Dam Hazaribagh	2	N 24°01'45.25" E 85°18'41.39"
		Total	2.00	
12	Latehar SF	Komo	2	N 23°44'155" E 84°32'618"
		Total	2.00	
13	Koderma SF	Tetariadih	2	N 24°21'48" E 85°48'5.6"
		Total	2.00	
14	Garhwa SF	Makri, Bhawnathpur	2	N 24°21'994" E 83°33'745"
		Total	2.00	
15	Adityapur SF	Karriya	2	N 22°02'995" E 84°85'603"
		Total	2.00	
16	Chaibasa SF	Basudevpur	2	N 22°04'597" E 85°41'422"
		Total	2.00	
17	Ranchi SF	Tiril Dhurwa	2	N 23°18'8" E 85°16'14"
		Total	2.00	
18	Simdega SF	Biru	2	N 22°40'51.6" E 84°07'28.2"
		Kasir, Raidih	2	N 23°02'259" E 84°35'36978"
		Total	4.00	
		Grand Total	40.00	

Jharkhand CAMPA

CA/PCA - Completion and Maintenance work during 2022-23

Sl. No.	Name of F. Div.	CA/PCA											Total No. of Plants
		Block Plantation				Linear Plantation				Silviculture			
		Forest Land Pl.		Non-Forest Land Pl.		Length (K.M./Unit)		Gabion (No.)		Area (ha)	No. of Plants		
		Area (ha)	No. of Plants	Area (ha)	No. of Plants	Length (km)	Unit	No. of Plants	No. (gab)			No. of Plants	
3	4	5	6	7	8	9	10	11	12	13	14		
1	Bokaro	252.083	4,19,970	---	---	---	---	---	8,750	8,750	210.000	42,000	4,70,720
2	Dhanbad	12.860	21,425	---	---	---	---	---	---	---	---	---	21,425
3	Giridih (East)	164.150	2,73,474	213.350	3,55,441	---	---	---	---	---	---	---	6,28,915
4	Giridih (West)	---	---	---	---	9.576	36.000	34,812	---	---	---	---	34,812
5	Ramgarh	137.290	2,28,725	---	---	1.059	12.480	12,068	3,830	3,830	---	---	2,44,623
6	Deoghar	65.917	1,09,818	---	---	2.583	22.540	6,762	500	500	---	---	1,17,080
7	Dumka	---	---	---	---	---	---	---	---	---	---	---	---
8	Godda	26.380	43,949	---	---	6.000	60.000	1,80,000	---	---	---	---	2,23,949
9	Jamtara	---	---	---	---	---	---	---	---	---	---	---	---
10	Pakur	---	---	---	---	---	---	---	---	---	---	---	---
11	Sahibganj	---	---	---	---	---	---	---	---	---	---	---	---
12	Chatra (N)	---	---	---	---	---	---	---	---	---	---	---	---
13	Chatra (S)	581.430	9,68,662	---	---	---	---	---	---	---	---	---	9,68,662
14	Hbag (East)	54.996	54,996	---	---	---	---	---	---	---	---	---	54,996
15	Hbag (West)	150.000	1,83,300	---	---	21.678	119.500	1,31,557	---	---	---	---	3,14,857
16	Koderma	12.582	20,961	0.405	675	---	---	---	---	---	200	40,000	61,636
17	Chaibasa	---	---	---	---	---	---	---	---	---	---	---	---
18	Jamshedpur	603.420	10,05,298	187.040	3,11,609	27.552	240.890	2,32,941	---	---	---	---	15,49,847
19	Kolhan	---	---	---	---	---	---	---	---	---	---	---	---
20	Porahat	---	---	---	---	---	---	---	---	---	---	---	---
21	Saraikela	155.160	2,25,197	---	---	---	---	---	---	---	---	---	2,25,197
22	Saranda	80.000	1,33,280	---	---	---	---	---	---	---	---	---	1,33,280
23	Garhwa (N)	10.000	16,660	---	---	---	---	---	---	---	---	---	16,660
24	Garhwa (S)	50.000	83,300	---	---	---	---	---	---	---	---	---	83,300
25	Latehar	100.000	1,00,000	---	---	---	---	---	---	---	---	---	1,00,000
26	Medininagar	---	---	---	---	---	---	---	---	---	---	---	---
27	Gumla	---	---	---	---	---	---	---	---	---	---	---	---
28	Khunti	---	---	---	---	---	---	---	---	---	---	---	---
29	Lohardaga	---	---	---	---	---	---	---	---	---	---	---	---
30	Ranchi	42.330	70,522	3.440	5,731	3.600	36.000	34,812	---	---	---	---	1,11,065
31	Simdega	---	---	---	---	---	---	---	---	---	---	---	---
32	PTR North	300.000	3,00,000	---	---	---	---	---	5,000	5,000	---	---	3,05,000
	Grand Total	2,798.598	42,59,536	404.235	6,73,456	72.048	527.410	6,32,951	18,080	18,080	410.000	82,000	56,66,023

Jharkhand CAMPA
Compensatory afforestation and other forestry related schemes carried out in the state in last five years from the CAMPA funds

CA / PCA Plantation Year 2021-22

Sl. No.	Name of F. Div.	Block Plantation				Linear Plantation					Silviculture		Total No. of Plants planted	
		Forest Land Pl.		Non-Forest Land Pl.		Length (Km)			Gabion (No.)		Area (ha)	No. of Plants planted		
		Area (ha)	No. of Plants planted	Area (ha)	No. of Plants planted	Length (km)	Unit	No. of Plants planted	No. (gab)	No. of Plants planted				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
1	Bokaro	241.000	4,01,506	---	---	---	---	---	---	---	---	---	---	4,01,506
2	Dhanbad	---	---	---	---	---	---	---	---	---	---	---	---	---
3	Giridih (East)	805.589	13,42,111	---	---	31.470	183.000	2,06,960	---	---	---	---	---	15,49,071
4	Giridih (West)	16.962	28,259	---	---	---	---	---	---	---	---	---	---	28,259
5	Ramgarh	18.038	30,051	---	---	---	---	---	---	---	---	---	---	30,051
6	Deoghar	450.046	7,49,777	---	---	15.512	121.742	1,17,725	---	---	---	---	---	8,67,501
7	Dumka	120.000	1,59,960	15.463	25,761	1.858	20.640	19,959	720	720	---	---	---	2,06,400
8	Godda	357.000	5,34,822	---	---	---	---	---	---	---	---	---	---	5,34,822
9	Jamtara	5.750	9,580	---	---	---	---	---	---	---	---	---	---	9,580
10	Pakur	---	---	---	---	---	---	---	---	---	---	---	---	---
11	Sahibganj	24.000	39,984	---	---	11.232	48.000	46,416	---	---	---	---	---	86,400
12	Chatra (N)	---	---	---	---	---	---	---	---	---	---	---	---	---
13	Chatra (S)	120.000	1,99,920	---	---	---	---	---	---	---	---	---	---	1,99,920
14	Hbag (East)	22.000	22,000	---	---	---	---	---	---	---	---	---	---	22,000
15	Hbag (West)	486.140	5,19,440	---	---	11.000	---	22,000	---	---	---	---	---	5,41,440
16	Koderma	---	---	---	---	17.500	---	35,000	---	---	160	32,000	---	67,000
17	Chaibasa	25.000	41,650	---	---	---	---	---	---	---	---	---	---	41,650
18	Jamshedpur	---	---	---	---	---	---	---	---	---	---	---	---	---
19	Kolhan	---	---	---	---	---	---	---	---	---	---	---	---	---
20	Porahat	72.000	99,972	---	---	---	---	---	---	---	---	---	---	99,972
21	Saraikeela	28.860	28,860	---	---	---	---	---	---	---	---	---	---	28,860
22	Saranda	---	---	---	---	---	---	---	---	---	---	---	---	---
23	Garhwa (N)	---	---	---	---	---	---	---	---	---	---	---	---	---
24	Garhwa (S)	---	---	---	---	---	---	---	---	---	---	---	---	---
25	Latehar	200.000	2,00,000	---	---	---	---	---	---	---	---	---	---	2,00,000
26	Medininagar	---	---	---	---	---	---	---	---	---	---	---	---	---
27	Gumla	76.510	1,17,136	---	---	---	---	---	---	---	---	---	---	1,17,136
28	Khunti	46.000	76,636	---	---	---	---	---	---	---	---	---	---	76,636
29	Lohardaga	---	---	---	---	---	---	---	---	---	---	---	---	---
30	Ranchi	26.500	44,149	---	---	---	---	---	---	---	---	---	---	44,149
31	Simdega	70.000	70,000	---	---	---	---	---	---	---	---	---	---	70,000
32	PTR North	98.000	98,000	---	---	---	---	---	---	---	2,000	4,00,000	---	4,98,000
	Grand Total	3,309.395	48,13,812	15.463	25,761	88.572	373.382	4,48,059	720	720	2,160	4,32,000	---	57,20,353

Jharkhand CAMPA
Compensatory afforestation and other forestry related schemes carried out in the state in last five years from the CAMPA funds
CA / PCA Plantation Year 2020-21

Sl. No.	Name of F. Div.	Block Plantation				Linear Plantation					Silviculture		Total No. of Plants planted	
		Forest Land Pl.		Non Forest Land Pl.		Km		Gabion			Area (ha)	No. of Plants planted		
		Area (ha)	No. of Plants planted	Area (ha)	No. of Plants planted	Length (km)	Unit	No. of Plants planted	No. (gab)	No. of Plants planted				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
1	Bokaro	556.670	8,64,023	---	---	---	---	---	---	---	---	---	---	8,64,023
2	Dhanbad	16.900	28,155	---	---	---	---	---	---	---	---	---	---	28,155
3	Giridih (East)	70.000	1,16,620	---	---	---	---	---	---	---	---	---	---	1,16,620
4	Giridih (West)	---	---	---	---	30.000	---	60,000	---	---	---	---	---	60,000
5	Ramgarh	49.411	82,319	---	---	---	---	---	---	---	---	---	---	82,319
6	Deoghar	461.000	7,68,026	---	---	---	---	---	---	---	---	---	---	7,68,026
7	Dumka	24.510	40,833	---	---	5.076	56.410	54,548	---	---	---	---	---	95,381
8	Godda	597.000	9,94,602	---	---	---	---	---	---	---	---	---	---	9,94,602
9	Jamtara	32.840	54,711	---	---	1.776	21.000	20,307	---	---	---	---	---	75,018
10	Pakur	22.000	22,000	---	---	---	---	---	---	---	---	---	---	22,000
11	Sahibganj	---	---	---	---	---	---	---	---	---	---	---	---	---
12	Chatra (N)	---	---	---	---	---	---	---	---	---	---	---	---	---
13	Chatra (S)	72.000	1,19,952	---	---	---	---	---	---	---	---	---	---	1,19,952
14	Hbag (East)	---	---	---	---	---	---	---	---	---	---	---	---	---
15	Hbag (West)	52.575	85,875	---	---	2.000	---	4,000	---	---	---	---	---	89,875
16	Koderma	---	---	---	---	10.000	---	20,000	---	---	70.000	14,000	---	34,000
17	Chaibasa	---	---	---	---	---	---	---	---	---	---	---	---	---
18	Jamshedpur	---	---	---	---	---	---	---	---	---	---	---	---	---
19	Kolhan	---	---	---	---	---	---	---	---	---	---	---	---	---
20	Porahat	25.000	41,650	---	---	---	---	---	---	---	---	---	---	41,650
21	Saraikeela	75.531	1,70,579	---	---	---	---	---	---	---	---	---	---	1,70,579
22	Saranda	---	---	---	---	---	---	---	---	---	---	---	---	---
23	Garhwa (N)	---	---	---	---	---	---	---	---	---	---	---	---	---
24	Garhwa (S)	---	---	---	---	---	---	---	---	---	---	---	---	---
25	Latehar	50.000	50,000	---	---	---	---	---	---	---	---	---	---	50,000
26	Medininagar	597.790	9,95,918	---	---	4.381	43.813	42,367	---	---	---	---	---	10,38,285
27	Gumla	---	---	---	---	---	---	---	---	---	---	---	---	---
28	Khunti	31.266	52,089	---	---	---	---	---	---	---	---	---	---	52,089
29	Lohardaga	---	---	---	---	---	---	---	---	---	---	---	---	---
30	Ranchi	---	---	---	---	---	---	---	---	---	---	---	---	---
31	Simdega	---	---	---	---	---	---	---	30,400	30,400	---	---	---	30,400
32	Hbag Wildlife	---	---	---	---	---	---	---	---	---	---	---	---	---
	Grand Total	2,734.493	44,87,353	---	---	53.233	121.223	2,01,223	30,400	30,400	70.000	14,000	---	47,32,976

Jharkhand CAMPA
Compensatory afforestation and other forestry related schemes carried out in the state in last five years from the CAMPA funds

CA / PCA Plantation Year 2019-20

Sl. No.	Name of F. Div.	Forest Land		Non-Forest Land		Linear Plantation				Total No. of Plants planted
		Area (ha)	No. of Plants planted	Area (ha)	No. of Plants planted	Length (km)	No. of Plants planted	Number (gab)	No. of Plants planted	
1	2	3	4	5	6	7	8	9	10	11
1	Bokaro	875.110	12,99,505	---	---	---	---	---	---	12,99,505
2	Dhanbad	768.000	10,77,024	---	---	---	---	---	---	10,77,024
3	Giridih (E)	---	---	---	---	---	---	---	---	---
4	Giridih (W)	---	---	---	---	---	---	---	---	---
5	Ramgarh	189.224	3,15,249	---	---	---	---	---	---	3,15,249
6	Deoghar	99.546	1,65,844	2.020	3,366	---	---	---	---	1,69,210
7	Dumka	---	---	---	---	---	---	---	---	---
8	Godda	---	---	---	---	---	---	---	---	---
9	Jamtara	---	---	---	---	---	---	---	---	---
10	Pakur	---	---	---	---	---	---	---	---	---
11	Sahibganj	---	---	---	---	---	---	---	---	---
12	Chatra (N)	---	---	---	---	17.827	1,72,387	---	---	1,72,387
13	Chatra (S)	341.810	5,69,456	---	---	---	---	---	---	5,69,456
14	Hazaribag (E)	117.560	1,17,560	---	---	---	---	---	---	1,17,560
15	Hazaribag (W)	684.460	7,85,290	---	---	25.000	50,000	---	---	8,35,290
16	Koderma	4.000	4,000	---	---	2.000	4,000	---	---	8,000
17	Chaibasa	---	---	---	---	---	---	---	---	---
18	Jamshedpur	60.000	99,960	---	---	---	---	---	---	99,960
19	Kolhan	---	---	---	---	---	---	---	---	---
20	Porahat	37.360	37,360	---	---	---	---	---	---	37,360
21	Saraikela	---	---	---	---	---	---	---	---	---
22	Saranda	25.000	25,000	---	---	---	---	---	---	25,000
23	Garhwa (N)	119.515	1,99,113	---	---	---	---	---	---	1,99,113
24	Garhwa (S)	---	---	---	---	---	---	---	---	---
25	Latehar	---	---	29.320	29,320	---	---	---	---	29,320
26	Medininagar	---	---	171.080	2,85,019	---	---	---	---	2,85,019
27	Gumla	12.000	19,992	---	---	---	---	---	---	19,992
28	Khunti	46.000	76,636	18.960	31,588	---	---	---	---	1,08,224
29	Lohardaga	3.280	3,280	20.008	28,966	---	---	---	---	32,246
30	Ranchi	29.000	48,314	---	---	---	---	---	---	48,314
31	Simdega	34.000	34,000	---	---	---	---	---	---	34,000
32	Hbag Wildlife	---	---	---	---	---	---	---	---	---
	Grand Total	3,445.865	48,77,583	241.388	3,78,259	44.827	2,26,387	-	-	54,82,229

Jharkhand CAMPA

Compensatory afforestation and other forestry related schemes carried out in the state in last five years from the CAMPA funds

CA / PCA Plantation Year 2018-19

Sl. No.	Name of F. Div.	Forest Land		Non-Forest Land		Linear Plantation				Total No. of Plants planted
		Area (ha)	No. of Plants planted	Area (ha)	No. of Plants planted	Length (km)	No. of Plants planted	Number (gab)	No. of Plants planted	
1	2	3	4	5	6	7	8	9	10	11
1	Bokaro	483.920	7,19,631	---	---	---	---	---	---	7,19,631
2	Dhanbad	77.000	1,28,282	20.360	33,920	---	---	---	---	1,62,202
3	Giridih (E)	212.350	3,53,776	---	---	---	---	---	---	3,53,776
4	Giridih (W)	---	---	---	---	---	---	---	---	---
5	Ramgarh	125.000	2,08,250	---	---	---	---	---	---	2,08,250
6	Deoghar	170.000	2,83,220	---	---	---	---	---	---	2,83,220
7	Dumka	---	---	---	---	---	---	---	---	---
8	Godda	---	---	---	---	---	---	---	---	---
9	Jamtara	3.460	5,765	---	---	2.237	4,474	---	---	10,239
10	Pakur	20.000	33,320	---	---	---	---	---	---	33,320
11	Sahibganj	---	---	---	---	---	---	---	---	---
12	Chatra (N)	---	---	---	---	---	---	---	---	---
13	Chatra (S)	83.080	1,38,412	---	---	---	---	---	---	1,38,412
14	Hazaribag (E)	---	---	---	---	---	---	---	---	---
15	Hazaribag (W)	230.000	2,30,000	---	---	4.000	8,000	---	---	2,38,000
16	Koderma	---	---	---	---	---	---	500	500	500
17	Chaibasa	---	---	---	---	---	---	---	---	---
18	Jamshedpur	---	---	---	---	---	---	---	---	---
19	Kolhan	---	---	---	---	---	---	---	---	---
20	Porahat	62.720	62,720	---	---	---	---	---	---	62,720
21	Saraikela	---	---	---	---	---	---	---	---	---
22	Saranda	---	---	---	---	---	---	---	---	---
23	Garhwa (N)	60.000	99,960	---	---	---	---	---	---	99,960
24	Garhwa (S)	---	---	---	---	---	---	---	---	---
25	Latehar	47.950	47,950	---	---	---	---	---	---	47,950
26	Medininagar	---	---	---	---	---	---	---	---	---
27	Gumla	19.638	32,717	126.060	1,39,827	---	---	---	---	1,72,544
28	Khunti	---	---	---	---	---	---	---	---	---
29	Lohardaga	---	---	---	---	---	---	---	---	---
30	Ranchi	---	---	---	---	---	---	---	---	---
31	Simdega	15.336	25,550	---	---	---	---	---	---	25,550
32	Hbag Wildlife	---	---	---	---	---	---	---	---	---
	Grand Total	1,610.454	23,69,553	146.420	1,73,747	6.237	12,474	500.000	500	25,56,274

Jharkhand CAMPA
Compensatory afforestation and other forestry related schemes carried out in the state in last five years from the CAMPA funds
CA / PCA Plantation Year 2017-18

Sl. No.	Name of F. Div.	Forest Land		Non-Forest Land		Linear Plantation				Total No. of Plants planted
		Area (ha)	No. of Plants planted	Area (ha)	No. of Plants planted	Length (km)	No. of Plants planted	Number (gab)	No. of Plants planted	
1	2	3	4	5	6	7	8	9	10	11
1	Bokaro	342.280	4,50,358	---	---	---	---	---	---	4,50,358
2	Dhanbad	86.600	1,15,792	60.730	60,730	---	---	---	---	1,76,522
3	Giridih (E)	---	---	---	---	---	---	---	---	-
4	Giridih (W)	---	---	---	---	---	---	---	---	-
5	Ramgarh	610.000	10,16,260	---	---	---	---	---	---	10,16,260
6	Deoghar	---	---	---	---	3.500	7,000	---	---	7,000
7	Dumka	16.277	16,277	---	---	2.000	4,000	1,73,666	1,73,666	1,93,943
8	Godda	3.260	5,431	---	---	---	---	---	---	5,431
9	Jamtara	---	---	---	---	---	---	---	---	-
10	Pakur	---	---	---	---	---	---	---	---	-
11	Sahibganj	---	---	---	---	---	---	---	---	-
12	Chatra (N)	399.030	6,64,784	---	---	---	---	---	---	6,64,784
13	Chatra (S)	394.400	6,57,070	---	---	---	---	---	---	6,57,070
14	Hazaribag (E)	---	---	---	---	---	---	---	---	-
15	Hazaribag (W)	1,296.900	15,68,974	---	---	---	---	---	---	15,68,974
16	Koderma	800.000	1,60,000	---	---	---	---	---	---	1,60,000
17	Chaibasa	---	---	---	---	---	---	1,560.000	1,560	1,560
18	Jamshedpur	10.000	16,660	7.500	12,495	---	---	---	---	29,155
19	Kolhan	---	---	---	---	---	---	---	---	-
20	Porahat	---	---	---	---	---	---	---	---	-
21	Saraikela	116.573	1,94,211	---	---	---	---	---	---	1,94,211
22	Saranda	---	---	---	---	---	---	---	---	-
23	Garhwa (N)	100.000	1,66,600	1.166	1,942	---	---	---	---	1,68,542
24	Garhwa (S)	---	---	---	---	---	---	---	---	-
25	Latehar	10.000	10,000	---	---	---	---	494.000	494	10,494
26	Medininagar	---	---	---	---	---	---	---	---	-
27	Khunti	---	---	---	---	---	---	---	---	-
28	Lohardaga	---	---	---	---	---	---	---	---	-
29	Ranchi	316.000	3,83,932	---	---	22.000	44,000	---	---	4,27,932
30	Simdega	---	---	---	---	---	---	---	---	-
31	Gumla	---	---	10.836	18,053	---	---	---	---	18,053
32	H'bag Wildlife	---	---	---	---	---	---	---	---	-
Grand Total		4,501.320	54,26,350	80.232	93,220	27.500	55,000	1,75,720	1,75,720	57,50,289

Jharkhand CAMPA

Compensatory afforestation and other forestry related schemes carried out in the state in last five years from the CAMPA funds

NPV Plantation of last five Year

Sl. No.	Name of F. Div.	FY 2018-19			FY 2019-20		FY 2020-21		FY 2021-22		FY 2022-23						Total No. of Plants planted	
		NR, Silviculture & SMC work			NR, Silviculture & SMC work		NR, Silviculture & SMC work		NR, Silviculture & SMC work		Block Plantation		NR, Silviculture & SMC work		Bamboo Plantation			Total No. of Plants planted
		Without Plantation	With Plantation	No. of Plants planted	With Plantation	No. of Plants planted	With Plantation	No. of Plants planted	With Plantation	No. of Plants planted	Area (ha)	No. of Plants planted	Area (ha)	No. of Plants planted	Area (ha)	No. of Plants planted		
		Area (ha)	Area (ha)		Area (ha)		Area (ha)											
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	26		
1	Bokaro	50.00	40.00	10,000	400.00	80,000	150.00	30,000	180.00	36,000	100.00	1,00,000	150.00	30,000	---	---	1,30,000	2,86,000
2	Dhanbad	50.00	50.00	10,000	400.00	80,000	150.00	30,000	330.00	66,000	100.00	1,00,000	400.00	80,000	150.00	1,50,000	3,30,000	5,16,000
3	Giridih (E)	---	100.00	20,000	400.00	80,000	150.00	30,000	180.00	36,000	100.00	1,00,000	300.00	60,000	---	---	1,60,000	3,26,000
4	Giridih (W)	50.00	50.00	10,000	400.00	80,000	200.00	40,000	240.00	48,000	100.00	1,00,000	300.00	60,000	---	---	1,60,000	3,38,000
5	Ramgarh	100.00	---	---	400.00	80,000	200.00	40,000	200.00	40,000	100.00	1,00,000	250.00	50,000	---	---	1,50,000	3,10,000
6	Deoghar	---	---	---	400.00	80,000	200.00	40,000	240.00	48,000	200.00	2,00,000	400.00	80,000	---	---	2,80,000	4,48,000
7	Dumka	---	50.00	10,000	400.00	80,000	200.00	40,000	240.00	48,000	200.00	2,00,000	200.00	40,000	---	---	2,40,000	4,18,000
8	Godda	---	50.00	10,000	400.00	80,000	150.00	30,000	180.00	36,000	200.00	2,00,000	400.00	80,000	---	---	2,80,000	4,36,000
9	Jamtara	---	50.00	10,000	400.00	80,000	150.00	30,000	---	---	150.00	1,50,000	55.00	11,000	---	---	1,61,000	2,81,000
10	Pakur	---	---	---	400.00	80,000	121.53	24,306	180.00	36,000	---	---	300.00	60,000	---	---	60,000	2,00,306
11	Sahibganj	---	50.00	10,000	131.00	26,200	150.00	30,000	180.00	36,000	200.00	2,00,000	180.00	36,000	---	---	2,36,000	3,38,200
12	Chatra (N)	50.00	50.00	10,000	400.00	80,000	200.00	40,000	240.00	48,000	75.00	75,000	400.00	80,000	---	---	1,55,000	3,33,000
13	Chatra (S)	50.00	50.00	10,000	400.00	80,000	250.00	50,000	300.00	60,000	50.00	50,000	400.00	80,000	---	---	1,30,000	3,30,000
14	Hazaribag (E)	49.00	50.00	10,000	390.00	78,000	250.00	50,000	300.00	60,000	100.00	1,00,000	300.00	60,000	---	---	1,60,000	3,58,000
15	Hazaribag (W)	50.00	50.00	10,000	400.00	80,000	300.00	60,000	360.00	72,000	100.00	1,00,000	400.00	80,000	---	---	1,80,000	4,02,000
16	Koderma	50.00	---	---	200.00	40,000	150.00	30,000	---	---	100.00	1,00,000	70.00	14,000	---	---	1,14,000	1,84,000
17	Chaibasa	---	75.00	15,000	---	---	100.00	20,000	---	---	---	---	150.00	4,650	---	---	4,650	39,650
18	Jamshedpur	---	150.00	30,000	400.00	80,000	250.00	50,000	300.00	60,000	---	---	375.00	75,000	200.00	2,00,000	2,75,000	4,95,000
19	Kolhan	---	---	---	---	---	250.00	50,000	130.00	6,500	---	---	400.00	34,500	---	---	34,500	91,000
20	Porahat	---	---	---	350.00	70,000	390.00	78,000	100.00	11,000	---	---	350.00	39,000	---	---	39,000	1,98,000
21	Saraikela	---	100.00	20,000	330.00	66,000	300.00	60,000	265.00	41,500	---	---	260.00	41,000	50.00	50,000	91,000	2,78,500
22	Saranda	---	---	---	---	---	350.00	70,000	400.00	5,000	---	---	400.00	23,000	---	---	23,000	98,000
23	Garhwa (N)	---	---	---	400.00	80,000	350.00	70,000	---	---	75.00	75,000	300.00	60,000	---	---	1,35,000	2,85,000
24	Garhwa (S)	---	50.00	10,000	350.00	70,000	350.00	70,000	400.00	80,000	75.00	75,000	400.00	80,000	---	---	1,55,000	3,85,000
25	Latehar	---	100.00	20,000	350.00	70,000	350.00	70,000	---	---	100.00	1,00,000	100.00	20,000	---	---	1,20,000	2,80,000
26	Medininagar	---	50.00	10,000	400.00	80,000	350.00	70,000	400.00	80,000	50.00	50,000	400.00	80,000	---	---	1,30,000	3,70,000
27	Gumla	---	50.00	10,000	400.00	80,000	350.00	70,000	400.00	80,000	100.00	1,00,000	400.00	80,000	50.00	50,000	2,30,000	4,70,000
28	Khunti	---	50.00	10,000	300.00	60,000	98.00	19,600	65.00	13,000	50.00	50,000	200.00	40,000	---	---	90,000	1,92,600
29	Lohardaga	50.00	---	---	400.00	80,000	200.00	40,000	---	---	50.00	50,000	300.00	60,000	---	---	1,10,000	2,30,000
30	Ranchi	---	100.00	20,000	400.00	80,000	400.00	80,000	362.00	72,400	150.00	1,50,000	400.00	80,000	310.00	3,10,000	5,40,000	7,92,400
31	Simdega	36.00	---	---	400.00	80,000	200.00	40,000	---	---	50.00	50,000	250.00	50,000	---	---	1,00,000	2,20,000
32	PTR (N)	---	---	---	---	---	200.00	40,000	---	---	---	---	309.00	61,800	100.00	1,00,000	1,61,800	2,01,800
33	PTR (S)	---	---	---	---	---	250.00	50,000	100.00	20,000	---	---	400.00	80,000	---	---	80,000	1,50,000
34	Ele. Proj. JSR	---	---	---	---	---	200.00	40,000	100.00	20,000	---	---	---	---	---	---	---	60,000

Sl. No.	Name of F. Div.	FY 2018-19		FY 2019-20		FY 2020-21		FY 2021-22		FY 2022-23						Total No. of Plants planted		
		NR, Silviculture & SMC work			NR, Silviculture & SMC work		NR, Silviculture & SMC work		NR, Silviculture & SMC work		Block Plantation		NR, Silviculture & SMC work		Bamboo Plantation		Total No. of Plants planted	
		Without Plantation	With Plantation	No. of Plants planted	With Plantation	No. of Plants planted	With Plantation	No. of Plants planted	With Plantation	No. of Plants planted	Area (ha)	No. of Plants planted	Area (ha)	No. of Plants planted	Area (ha)			No. of Plants planted
		Area (ha)	Area (ha)		Area (ha)		Area (ha)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	26
35	H'bag WL	---	---	---	---	---	---	---	500.00	1,00,000	---	---	300.00	60,000	---	---	60,000	1,60,000
36	Ranchi WL	---	---	---	---	---	---	---	50.00	10,000	---	---	50.00	10,000	---	---	10,000	20,000
37	Deoghar SF	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
38	Dumka SF	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
39	Garhwa SF	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
40	Hazaribag SF	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
41	Koderma SF	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
42	Latehar SF	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
43	Adityapur SF	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
44	Chaibasa SF	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
45	Ranchi SF	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
46	Simdega SF	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Grand Total -	585.00	1375.00	275000	10401.00	2080200	7909.53	1581906	6922.00	12,69,400	2575.00	2575000	10249.00	1879950	860.00	8,60,000	53,14,950	10521456

Jharkhand CAMPA

Compensatory afforestation and other forestry related schemes carried out in the state in last five years from the CAMPA funds

Other than Plantation works**Year-wise Works (FY 2017-18 to 2021-22)**

Sl.No.	Other Works	Unit	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	Total
1	Water Harvesting/Retention Structures	No.	118	272	366	373	401	1530
2	Permanent Nurseries - Maintenance	Ha.	86.25	82.00	76	76	76	
3	Consolidation of Boundary Pillars	No.	29626	---	---	---	---	29,626
4	New Building Construction (Frontline Staff)	No.	67	145	103	5	---	
5	Building Repair (Frontline Staff)	No.	724	536	56	---	---	
6	Forest Road Repair	Km	3446.28	1676.86	2,174.70	2,193.00	---	
7	Const. of Causeway/Culverts	No.	92	54	83	12	67	
8	Patrolling Vehicles (Frontline Staff)	No.	5	---	---	---	---	5
9	Deployment of Home guards for Forest Protection	No.	630	305	289	309	---	1533
10	Deployment of JFMC/EDC members for Forest Protection	No.	---	305	270	310	---	885

Jharkhand CAMPA

Catchment Area Treatment Plan activities during 2022-23

(Rs. In Lakh)

Sl. No.	Name of F. Div.	Name of Project	Area Diverted (ha)	Gol Approval Order & Date	Amount
1	2	3	4	5	6
1	Deoghar	Punasi Reservoir Scheme	291.170	F.No. 8-6/2016 FC dt. 12-07-2018	163.202
		Sub-Total	291.170		163.202
2	Gumla	North Koel Reservoir Project Jharkhand	1007.290	8-32/2017-FC dt. 27.11.2018	300.000
		Sub-Total	1007.290		300.000
3	Garhwa Sauth	North Koel Reservoir Project Jharkhand	1007.290	8-32/2017-FC dt. 27.11.2018	350.000
		Sub-Total	1007.290		350.000
4	Latehar	North Koel Reservoir Project Jharkhand	1007.290	8-32/2017-FC dt. 27.11.2018	200.000
		Sub-Total	1007.290		200.000
5	PTR, North	North Koel Dam	1007.280	8-32/2017-FC dt. 27.11.2018	1,000.000
		Sub-Total	1007.280		1,000.000
6	PTR, South	North Koel Dam	1007.290	8-32/2017-FC dt. 27.11.2018	1,000.000
		Sub-Total	1007.290		1,000.000
		Grand Total	5327.610		3,013.202

Jharkhand CAMPA

Catchment Area Treatment Plan activities during 2021-22

(Rs. in lakh)

Sl. No.	Name of F. Div.	Name of Project	Area Diverted (ha)	Gol Approval Order & Date	Amount
1	2	3	4	5	6
1	Deoghar	Punasi Reservoir Scheme	291.170	F.No. 8-6/2016 FC dt. 12-07-2018	118.559
		Sub-Total	291.170		118.559
2	Gumla	North Koel Reservoir Project Jharkhand	1007.290	Stage- II Granted by FAC	150.000
		Sub-Total	1007.290		150.000
3	PTR, North	North Koel Dam	1007.280	8-32/2017-FC dt. 27.11.2018	1,000.000
		Sub-Total	1007.280		1,000.000
4	PTR, South	North Koel Dam	1007.290	8-32/2017-FC dt. 27.11.2018	1,000.000
		Sub-Total	1007.290		1,000.000
		Grand Total	3313.030		2,268.559

Jharkhand CAMPA

Catchment Area Treatment Plan activities during 2020-21

(Rs. in lakh)

Sl. No.	Name of F. Div.	Name of Project	Area Diverted (ha)	Gol Approval Order & Date	Amount
1	2	3	4	5	6
1	Hazaribag West	NHAI 31	8.580	FP/JH/Road/16883/2015/2610 dt. 27.09.2018	93.966
		Sub-Total	8.580		93.966
2	Gumla	North Koel Reservoir Project Jharkhand	1007.290	State- II Granted by FAC	150.000
		Sub-Total	1007.290		150.000
3	Koderma	NH-31 Barhi Koderma Road winding	3.782	State- I FP/JH/Road/16883/2015/2610 dt. 27.09.2018	93.337
		Sub-Total	3.782		93.337
4	PTR, North	North Koel Irrigation Project - Mondal Dam	1007.280	8-32/2017-FC dt. 27.11.2018	600.000
		Sub-Total	1007.280		600.000
5	PTR, South	North Koel Irrigation Project - Mondal Dam (Sanctioned in favour of PTR North Division)	0.000	8-32/2017-FC dt. 27.11.2018	400.000
		Sub-Total	0.000		400.000
		Grand Total	2026.932		1337.303

Jharkhand CAMPA

Integrated Wildlife Management Plan related schemes during 2022-23

(Rs. In Lakh)

Sl. No.	Name of F. Div.	Name of Project	Area Diverted (ha)	Gol Approval Order & Date	Amount
1	2	3	4	5	6
1	Ramgarh	Construction of New B.G. Rail line (4th Phase Ext.) Kodarma-Barkakana- Ranchi	373.660	F. No. 8-131/2003- FC dt. 18.07.2007	36.229
		Sub-total	373.660		36.229
2	Giridih East	Koderma- Giridih New BG Railway Line	119.610	F. No. 8-90/2003-FC dt. 11.12.2003	84.383
		Sub-total	119.610		84.383
3	Giridih West	Koderma- Giridih New BG Railway Line	93.950	F. No. 8-90/2003-FC dt. 11.12.2003	17.800
		Sub-total	93.950		17.800
4	Deoghar	DRDO	516.670	F. No. 8-41/2010-FC dt. 17.07.2012	217.502
		S.P. Mines, Chitra	124.280	F. No. 8-79/2009-FC dt. 10.07.2019	53.587
		Crude Oil Pipeline, IOCL	8.793	F/JH/Pipeline/38146 dt. 07.04.2020	118.489
		Sub-total	649.743		389.578
5	Dumka	JUSNL Godda-Dumka 220KV D/C Transmission line	4.5012	F. No. FL-01/2019-1177 dt. 27.03.2019	41.078
		Augmentation of Paradip-Haldia-Durgapur LPG pipeline and its extension up to Patna & Muzaffarpur	9.883	FP/JH/Rail/31385/2018/3174 dt. 31.05.2019	82.583
		Sub-total	14.384		123.660
6	Godda	ECL Hurra "C" 527.043	260.000	F. No. 8-6/2009 FC dt. 21.05.2019	800.000
		Sub-total	260.000		800.000
7	Pakur	WBPDC- Pachwar A North Coal Block	371.070	F.No. 8-37/2010 FC Dated 14.11.2011	396.000
		Estern Coalfield Limited Simlong Colloery	3.480	F.No. 5-JHB019/2006-BHU Dated 30.11.2007	390.000
		PSPCL- Pachwara Central Coal Block	461.090	F.No. 8-17/2004 FC Dated 31.12.2006	214.000
		Sub-total	835.640		1,000.000
8	Sahibganj	Four-laning of Mirzachouki-Farakka of NH-80	4.397	FP?JH/Road/36700/2018/ 4459 Dated 15.01.2021	646.402
		Sub-total	4.397		646.402
9	Chatra (N)	400 KV D/C (QUAD) Chandwa-Gaga Transmission line	61.517	F No. 8-3/2014- FC dt. 12.12.2014 (Stage-I)	200.000
		Sub-total	61.517		200.000
10	Chatra (S)	Shivpur-Kathautiya New B.G. Rail line	307.000	FP/JH/Rail/11986/2015/3224 dt. 19.06.2019	400.000
		Construction of Chatra to Latehar Transmission line	140.125	FP/JH/Trans/35914/3241 dt. 27.06.2019	300.000
		NTPC Keredari Coal Mining Project	58.550	F. No. 8-53/2011- FC dt. 28.08.2019	400.000
		Sub-total	505.675		1,100.000
11	Hazaribag East	NH-33 (Winding) Barhi-Hazaribagh	11.940	F. No. 8-6/2012- FC dt. 18.12.2013	70.560
		Sub-total	11.940		70.560

Sl. No.	Name of F. Div.	Name of Project	Area Diverted (ha)	GoI Approval Order & Date	Amount
1	2	3	4	5	6
12	Hazaribag West	Const. of new BG Rail line Hazaribag to Barkakana	153.913	F. No. 8-44/2003 FC dt. 01.04.2004	45.341
		Shivpur-Kathautiya New B.G. Rail line	61.720	F. No. 5-2/2017 FC (Pt.) dt. 28.03.2019	297.500
		NTPC Keredari COAL Mining Project	184.770	F. No. 8-53/2011 FC dt. 01.02.2012	300.000
		132 KvD/C North Karanpura NTPC, Tandwa Transmission line	2.558	F. No. 5-JHC-245/2013-BHU dt. 06.09.2013	16.950
		NHAI Widding of Barhi-Hazaribag section of NH-33	15.490	F. No. 8-6/2012 FC dt. 08.06.2012	350.000
		Sub-total	418.451		1,009.791
13	Koderma	Koderma - Giridih Railway Project	222.870	F. No. 8-33/2008 FC dt. 03.05.2008	107.971
		Koderma - Telaiya (Nawada) New BG Railway line	101.455	F. No. 8-33/2008 FC dt. 12.06.2008	63.152
		Sub-total	324.325		171.123
14	Chaibasa	M/s Tata Steel Ltd.	1160.600	F. No. 1015/104/2011-1A.II (M) Dated 10.06.2013	155.773
		Sub-total	1160.600		155.773
15	Jamshedpur	Piplamore (NH 33) Ghorabandha Via Anna Chowk Road Construction Executive Engineer Road Division, Jamshedpure	16.750	F. No. 18/2018-4896 dt. 06.12.2018	15.100
		Sub-total	16.750		15.100
16	Saranda	Site Specific Wildlife Conservation Plan of M/s Tata Long Product Ltd. Under FCA Criteria compliance	146.470	F. No. 8-88/2007 FC (pt) dt. 09.11.2012	80.112
		Site Specific Wildlife Conservation Plan of Shah Brothers under FCA Criteria compliance	24.856	F. No. 8-127/2002 FC dt. 19.05.2005	19.970
		Diversion of 24.33 ha Forest land for renewal of mining lease in respect of lease-III kiriburu Meghahatuburu Iron ore Mines of SAIL in District Singhbhum (West) Jharkhand.	24.330	F. No. 8-127/2002 FC dt. 19.05.2005	197.592
		Sub-total	195.656		297.674
17	Latehar	Tori to Shivpur New BG Single	154.100	F. No. 8-72/2008 FC dt. 19.06.2013	556.100
		Sub-total	154.100		556.100
18	Gumla	PGCI - 765 KV Transmission line from Bero to Dharmjaigarh	6.775	F. No. 8-75/2013-FC dt. 06.08.2014	6.393
		Sub-total	6.775		6.393
19	Khunti	Doubling of Railway line betwvn Lohma to Govindpur railway station	7.959	F. No. FP/JH/Rail/36817-2018/4569 dt. 24.02.2021	168.790
		Sub-total	7.959		168.790
20	Ranchi	Ranchi to Barkakana BG Railway	67.000	F. No. 8-131/2003-FC dt. 18.07.2007	46.195
		Sub-total	67.000		46.195

Sl. No.	Name of F. Div.	Name of Project	Area Diverted (ha)	Gol Approval Order & Date	Amount
1	2	3	4	5	6
21	Simdega	IOC Petroleum Pipeline (Paradip to Ranchi)	8.987	F. No. 5-JHC 214/2012-BHU dt. 04.09.2012	7.170
		PGCI - 765 KV Transmission line from Ranchi to Dharmjaigarh	66.715	F. No. 8-75/2013-FC dt. 06.08.2014	15.911
		Hatia-Bondamunda Doubling of Railway Line between Kurkura to Orga	76.477	FP/JH/Rail/43712/2020/4544 Dated 03.08.2021	274.510
		Sub-total	152.179		297.591
22	Wild life Hazaribag	Widening of Barti-Hazaribag section of NH-33	21.132	I.F.No. 8-6/2012-FC dated 18-12-2013	269.680
		Sub-total	21.132		269.680
23	PTR North	North Koel Irrigation Project - Mondal Dam	1007.290	F. No. 8-32/2017 FC dt. 27.11.2018	1,000.000
		Sub-total	1007.290		1,000.000
24	PTR South	North Koel Irrigation Project - Mondal Dam (Sanctioned in favour of PTR North Division)	1007.290	F. No. 8-32/2017 FC dt. 27.11.2018	500.000
		Sub-total	1007.290		500.000
		Grand Total	7,470.023		8,962.822

Jharkhand CAMPA

Integrated Wildlife Management Plan related schemes during 2021-22

(Rs. in lakh)

Sl. No.	Name of F. Div.	Name of Project	Area Diverted (ha)	Gol Approval Order & Date	Amount
1	2	3	4	5	8
1	Ramgarh	Construction of New B.G. Rail line (4th Phase Ext.) Kodarma-Barkakana- Ranchi	373.660	F. No. 8-131/2003- FC dt. 18.07.2007	48.593
		Sub-total	373.660		48.593
2	Giridih West	Koderma- Giridih New BG Railway Line	93.950	F. No. 8-90/2003-FC dt. 11.12.2003	24.246
		Sub-total	93.950		24.246
3	Deoghar	DRDO	516.670	F. No. 8-41/2010-FC dt. 17.07.2012	301.138
		S.P. Mines, Chitra	124.280	F. No. 8-79/2009-FC dt. 10.07.2019	153.763
		Crude Oil Pipeline, IOCL	8.793	F/JH/Pipeline/38146 dt. 07.04.2020	183.529
		Sub-total	649.743		638.430
4	Dumka	JUSNL Godda-Dumka 220KV D/C Transmission line	4.501	F. No. FL-01/2019-1177 dt. 27.03.2019	79.756
		Augmentation of Paradip-Haldia-Durgapur LPG pipeline and its extension up to Patna & Muzaffarpur	9.883	FP/JH/Rail/31385/2018/3174 dt. 31.05.2019	120.918
		Sub-total	14.384		200.674
5	Godda	ECL Hurra "C" 527.043	260.000	F. No. 8-6/2009 FC dt. 21.05.2019	1,243.200
		Sub-total	260.000		1,243.200
6	Hazaribag West	Const. of new BG Rail line Hazaribag to Barkakana	153.913	F. No. 8-44/2003 FC dt. 01.04.2004	105.396
		Sub-total	153.913		105.396
7	Koderma	Koderma - Giridih Railway Project	222.870	F. No. 8-33/2008 FC dt. 03.05.2008	203.004
		Koderma - Telaiya (Nawada) New BG Railway line	101.455	F. No. 8-33/2008 FC dt. 12.06.2008	115.313
		Sub-total	324.325		318.317
8	Jamshedpur	Piplamore (NH 33) Ghorabandha Via Anna Chowk Road Construction Executive Engineer Road Division, Jamshedpure	16.750	F. No. 18/2018-4896 dt. 06.12.2018	99.580
		Sub-total	16.750		99.580
9	Saranda	Site Specific Wildlife Conservation Plan of M/s Tata Long Product Ltd. Under FCA Criteria compliance	146.470	F. No. 8-88/2007 FC (pt) dt. 09.11.2012	144.540
		Site Specific Wildlife Conservation Plan of Shah Brothers under FCA Criteria compliance	24.856	F. No. 8-127/2002 FC dt. 19.05.2005	18.098
		Diversion of 24.33 ha Forest land for renewal of mining lease in respect of lease- III kiriburu Meghahatuburu Iron ore Mines of SAIL in District Singhbhum (West) Jharkhand.	24.330	F. No. 8-127/2002 FC dt. 19.05.2005	146.571
		Sub-total	195.656		309.209
10	Latehar	Tori to Shivpur New BG Single	154.100	F. No. 8-72/2008 FC dt. 19.06.2013	133.600
		Sub-total	154.100		133.600
11	Gumla	PGCI - 765 KV Transmission line from Bero to Dharmjaigarh	6.775	F. No. 8-75/2013-FC dt. 06.08.2014	11.915
		Sub-total	6.775		11.915

Sl. No.	Name of F. Div.	Name of Project	Area Diverted (ha)	Govt Approval Order & Date	Amount
1	2	3	4	5	8
12	Ranchi	Ranchi to Barkakana BG Railway	67.000	F. No. 8-131/2003-FC dt. 18.07.2007	32.277
		Sub-total	67.000		32.277
13	Simdega	IOC Petroleum Pipeline (Paradip to Ranchi)	8.987	F. No. 5-JHC 214/2012-BHU dt. 04.09.2012	7.180
		PGCI - 765 KV Transmission line from Ranchi to Dharmjaigarh	66.715	F. No. 8-75/2013-FC dt. 06.08.2014	18.369
		Sub-total	75.702		25.549
14	PTR North	North Koel Irrigation Project - Mandal Dam	1007.290	F. No. 8-32/2017 FC dt. 27.11.2018	1,500.000
		Sub-total	1007.290		1,500.000
15	PTR South	North Koel Irrigation Project - Mandal Dam (Sanctioned in favour of PTR North Division)	1007.290	F. No. 8-32/2017 FC dt. 27.11.2018	500.000
		Sub-total	1007.290		500.000
		Grand Total	4,400.538		5,190.985

Jharkhand CAMPA

ANNEXURE - 31

Integrated Wildlife Management Plan related schemes during 2020-21

(Rs. in lakh)

Sl. No.	Name of F. Div.	Name of Project	Area Diverted (ha)	Gol Approval Order & Date	Amount
1	2	3	4	5	8
1	Deoghar	DRDO	516.670	F. No. 8-41/2010-FC dt. 17.07.2012	348.000
		ECL - Chitra Open Cast Colliery	124.280	F. No. 8-79/2007-FC dt. 10.07.2019	150.000
		Sub-total	640.950		498.000
2	PTR North	North Koel Irrigation Project - Mondal Dam	-	F. No. 8-32/2017 FC dt. 27.11.2018	100.000
		Sub-total	0.000		100.000
3	PTR South	North Koel Irrigation Project - Mondal Dam (Sanctioned in favour of PTR North Division)	1007.290	F. No. 8-32/2017 FC dt. 27.11.2018	1500.000
		Sub-total	1007.290		1500.000
4	Hazaribag West	Const. of new BG Rail line Hazaribag to Barkakana	153.913	F. No. 8-44/2003 FC dt. 01.04.2004	75.000
		Sub-total	153.913		75.000
5	Koderma	Koderma - Giridih Railway Project	222.870	F. No. 8-33/2008 FC dt. 03.05.2008	100.000
		Koderma - Telaiya (Nawada) New BG Railway line	101.455	F. No. 8-33/2008 FC dt. 12.06.2008	75.000
		Sub-total	324.325		175.000
6	Simdega	IOC Petroleum Product Pipeline (underground from Sambalpur to Khunti)	10.225	F. No. 5-JHC 214/2012-BHU dt. 04.09.2012	5.610
		PGCI - 765 KV Transmission line from Ranchi to Dharmjaigarh	73.490	F. No. 8-75/2013-FC dt. 06.08.2014	240.360
		Sub-total	83.715		245.970
7	Gumla	PGCI - 765 KV Transmission line from Ranchi to Dharmjaigarh	73.490	F. No. 8-75/2013-FC dt. 06.08.2014	90.730
		Sub-total	73.490		90.730
8	Ramgarh	Construction of New B.G. Rail line (4th Phase Ext.) Kodarma-Barkakana- Ranchi	373.660	F. No. 8-131/2003- FC dt. 18.07.2007	175.000
		Sub-total	373.660		175.000
9	Giridih West	Koderma- Giridih New BG Railway Line	93.950	F. No. 8-90/2003-FC dt. 11.12.2003	46.959
		Sub-total	93.950		46.959
10	Dumka	JUSNL Godda-Dumka 220KV D/C Transmission line	4.501	F. No. FL-01/2019-1177 dt. 27.03.2019	226.839
		Augmentation of Paradip-Haldia-Durgapur LPG pipeline and its extention up to Patna & Muzaffarpur	9.883	FP/JH/Rail/31385/2018/3174 dt. 31.05.2019	364.927
		Sub-total	14.384		591.766
11	Chatra South	Construction of Shivpur-Kathautia Railway Line	307.000	F. No. FP/JH/Rail/11/986/2015/3224 dt. 19.06.2019	1710.500
		Sub-total	307.000		1710.500
12	Ranchi	Ranchi to Barkakana BG Railway	67.000	F. No. 8-131/2003-FC dt. 18.07.2007	16.365
		Sub-total	67.000		16.365
		Grand Total	3139.677		5225.290

Jharkhand CAMPA

Wildlife Management Plan related schemes during 2019-20

Sl. No.	Name of F. Div.	Name of Project	Area Diverted (ha)	Gol Approval Order & Date	Wildlife Management Amount
1	2	3	4	5	8
1	Giridih (West)	New BG Railway Line (Koderma-Giridih)	93.95	F. No. 8-90/2003-FC dt. 11.12.2003	47.375
	Total		93.95		47.375
2	Deoghar	DRDO	516.67	F. No. 8-41/2010-FC dt. 17.07.2012	400.000
		ECL - Chitra Open Cast Colliery	124.28	F. No. 8-79/2007-FC dt. 10.07.2019	194.565
	Total		640.95		594.565
3	Hbag (West)	Const. of new BG Rail line Hazaribag to Barkakana	153.913	F. No. 8-44/2003 FC dt. 01.04.2004	99.904
	Total		153.913		99.904
4	Hbag (East)	Const. of new BG Rail line Hazaribag to Barkakana (Sanctioned in favour of Hazaribag West F. Div.)	As per Sl. No. 3	F. No. 8-44/2003 FC dt. 01.04.2004	150.096
	Total		---		150.096
5	Koderma	Koderma - Giridih Railway Project	25.10	F. No. 8-90/2003 FC dt. 03.05.2005	200.000
		Koderma - Telaiya (Nawada) New BG Railway line	101.455	F. No. 8-33/2008 FC dt. 12.06.2008	100.000
	Total		126.555		300.000
6	Gumla	132 KV Gumla - Simdega Transmission Line	5.7592	FP/JH/Trans/17610/2011/1680	90.732
	Total		5.7592		90.732
7	Ranchi	Const. of new BG Rail line Ranchi to Barkakana	373.6	F. No. 8-131/2003-FC dt. 18.07.2007	65.421
	Total		373.6		65.421
8	Simdega	Ranchi (Bero)-Dharmjaygarh 765 KV Transmission Line	73.49	F. No. 8-131/2003-FC dt. 18.07.2007	240.356
	Total		73.49		240.356
	Grand Total		1468.217		1588.449

Forestry and other activities carried out in the State in last five years from the fund received under other schemes

(Rs. in lakh)

Sl.No.	Major Head/Sub-head/Schemes	2018-19	2019-20	2020-21	2021-22	2022-23
i	ii	iii	iv	v	vi	vii
A	2406 – Forestry and Wildlife					
A.1	Central Assistance Schemes (Central+ State)					
	Continuing Schemes					
1	Green India Mission (CSS; 60:40) State Share	---	---	---	500.000	---
2	Project Elephant (CSS; 60:40)	256.050	290.950	300.000	500.000	500.000
3	Forest Fire Prevention & Management Scheme (CSS; 60:40) State Share	292.492	486.346	516.670	700.000	400.000
4	Palamau Tiger Reserve (CSS; 60:40) State Share	428.000	2,395.050	2,250.271	750.000	500.000
5	Palamau Tiger Reserve (CSS; 50:50) State Share	430.000	400.000	271.630	600.000	500.000
6	National Bamboo Mission (CSS; 60:40)	534.690	855.000	1,000.000	800.000	---
7	Integrated Development of Wildlife Habitat (CSS; 60:40) State Share	275.000	203.842	305.000	1,000.000	500.000
8	National Plan for Conservation of Aquatic Eco-systems (NPCA) (CSS; 60:40) State Share	---	---	---	100.000	---
9	National Afforestation Programme (NAP) (CSS; 60:40) State Share	---	---	---	100.000	---
10	Sub Mission on Agroforestry (CSS; 60:40) State Share	894.818	550.000	538.330	550.000	---
	Total B.1 (Sl. No. 1 to 10)	3111.050	5181.188	5181.901	5600.000	2400.000
A.2	State Plan Schemes					
	Continuing Schemes					
1	Wildlife Conservation & Crime Control	2,125.000	2,300.000	2,000.000	2,000.000	1,570.000
2	Training, Publicity, Research & Evaluation	1,500.000	1,396.402	1,242.838	1,012.500	1,144.440
3	Mukhyamantri Jan-Van Yojna	541.440	700.000	800.000	1,000.000	1,000.000
4	Jharkhand State Climate Change Action Unit	59.000	86.393	22.000	45.000	10.000
5	Third Party evaluation of forestry schemes	20.000	100.000	50.000	100.000	---
6	Afforestation & Soil Conservation on Notified Forest Land	10,734.343	9,133.465	9,317.700	9,000.000	14,296.820
7	Afforestation on Land Outside Notified forest	6,496.788	6,000.000	4,595.651	2,873.330	6,290.510
8	Digitization and Consolidation of Forest Boundary & Records	1,904.698	2,000.000	---	2,000.000	---
9	Modernization & IT enabled Services for Forest Offices	450.000	767.000	388.032	159.848	---
10	Permanent Nurseries & Seed Orchards	224.907	500.000	100.000	200.000	200.000
11	Development of Minor Forest Produce	1,486.355	1,374.883	378.820	499.996	422.750
12	Participatory World Bank Aided Forest Management Scheme	100.000	100.000	100.000	109.270	110.000
13	Forest Management Facilities	2,770.000	2,500.000	4,391.044	4,500.000	5,436.310
14	Jharkhand Participatory Forest Management Project	---	---	---	---	---
15	Silvicultural Operation	8,039.454	8,780.914	6,519.040	3,045.059	5,731.163
16	Eco-tourism	250.000	300.000	200.000	400.000	1,526.000
17	Urban Forestry	---	---	---	2,000.000	3,000.000
18	River Side Plantation	---	---	---	1,050.000	1,387.170
19	Grant-in-aid to JHARPARKS	---	300.000	200.000	200.000	300.000
20	Grant-in-aid to Jharkhand State Zoo Authority	650.000	1,600.000	800.000	800.000	1,200.000
21	Grant-in-aid to Jharkhand State Bio-diversity Board	150.000	400.000	800.000	600.000	500.000
22	Grant-in-aid to Jharkhand State Bio-diversity Board Department Corporation	---	---	---	400.000	500.000
22	Grant-in-aid to Palamu Tiger Conservation Foundation	---	---	---	---	950.000
	Total (Sl. No. 1 to 22)	37501.985	38339.057	31905.125	31995.003	45575.163
	Total A (B.1 +B.2)	40613.035	43520.245	37087.026	37595.003	47975.163
B	Externally Aided Project (EAP)					
1	JICA-ODA aided Project for Advancement of Livelihood & Forestry for Ecological Security (PALAS)	10.000	10.000	---	---	---
	Grand Total	40623.035	43530.245	37087.026	37595.003	47975.163

ABSTRACT

Year wise total forest area diverted

Details of Forest Land Diversion under F.C. Act, 1980

Sl. No.	Period of Land Diversion	No. of Proposals	Area of Forest land applied for (ha)	Area of forest Diverted (ha)	CA (in ha)	Area of NFL identified under general category (in ha)	Area of DFL identified under exempt category (in ha)	Less than one ha of forest land diverted under exempt category (in ha)
1	2	3	4	5	6	7	8	9
1	25.10.1980 to 15.11.2000	71	3,571.383	3,471.309	3,248.208	491.965	2,067.246	1.178
2	16.11.2000 to 31.03.2006	90	7,094.053	6,585.655	11,138.981	272.599	8,436.144	2.000
3	01.04.2006 to 31.03.2012	206	16,873.794	9,275.778	22,932.258	1,559.796	10,997.507	10.419
4	01.04.2012 to 31.03.2015	120	6,063.922	4,099.137	5,188.307	77.235	3,045.022	9.908
5	01.04.2015 to 31.12.2016	41	3,611.696	1,834.155	2,602.587	48.945	2,654.934	---
6	01.01.2017 to 31.12.2018	17	2,089.314	1,539.089	1,161.843	422.140	2,895.659	---
7	01.01.2019 to 31.12.2019	40	2,543.139	632.899	5,029.337	54.810	4,974.527	0.900
8	01.01.2020 to 31.12.2020	21	731.236	248.397	477.846	1.246	476.600	---
9	01.01.2021 to 31.12.2021	29	1,301.921	480.383	1,303.251	262.000	2,084.000	---
10	01.01.2022 to 30.11.2022	11	2,656.450	750.323	4,223.000	---	4,223.000	---
	Total	646	46,536.908	28,917.127	57,305.618	3190.736	41,854.639	24.405

Jharkhand CAMPA

Year-wise total compensatory afforestation carried out in the state since 1980
Afforestation work from CAMPA Funds

ANNEXURE-34

(As per QPRs of Respective Financial Year)

Financial Year	Compensatory Afforestation from CA fund							Other plantation from NPV fund							NR, Silviculture & SMC		Total Afforestation from CAMPA fund	
	Block Plantation		Linear Plantation				NR, Silviculture & SMC		Block Plantation		Linear Plantation		Bamboo Plantation		Ha	No. of Plants	Ha	No. of Plants
	Ha	No. of Plants	Km	No. of Plants	Gabion	No. of Plants	Ha	No. of Plants	Ha	No. of Plants	Gabion	No. of Plants	Ha	No. of Plants				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1980-2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2006-2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2007-2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2008-2009	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2009-2010	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2010-2011	---	---	49.00	9,800	---	---	---	---	---	---	---	---	---	---	---	---	0 ha + 49 km + 0 gab	9,800
2011-2012	5969.815	93,08,894	---	---	---	---	---	---	31882.00	1,09,06,340	---	---	---	---	---	---	37851.815 ha + 0 km + 0 gab	2,02,15,234
2012-2013	4637.15	56,96,976	---	---	---	---	---	---	3576.35	55,18,399	---	---	---	---	---	---	8213.5 ha + 0 km + 0 gab	1,12,15,375
2013-2014	2319.559	37,66,354	---	---	---	---	---	---	4624.48	77,04,384	---	---	---	---	---	---	6944.039 ha + 0 km + 0 gab	1,14,70,738
2014-2015	3004.87	44,74,667	---	---	36000	36,000	---	---	5810.00	94,71,210	---	---	---	---	---	---	8814.87 ha + 0 km + 36000 gab	1,39,81,877
2015-2016	1605.57	22,12,095	6.00	12,000	1000	1,000	---	---	6921.00	1,15,30,386	3200	3200	---	---	---	---	8526.57 ha + 6 km + 4200 gab	1,37,58,681
2016-2017	3172.275	41,50,945	184.78	3,69,560	31254	31,254	---	---	6624.00	1,04,83,734	1360	1360	---	---	---	---	9796.275 ha + 184.78 km + 32614 gab	1,50,36,853
2017-2018	4581.552	55,19,569	27.50	55,000	1,75,720	1,75,720	---	---	3491.50	49,48,385	---	---	---	---	---	---	8073.052 ha + 27.5 km + 175720 gab	1,06,98,674
2018-2019	1730.110	30,98,707	11.677	38,834	500	500	---	---	---	---	---	---	---	---	1960.00	2,65,000	3690.11 ha + 11.677 km + 500 gab	34,03,041
2019-2020	3687.253	52,55,842	44.827	2,26,387	---	---	---	---	---	---	---	---	---	---	10401.00	20,80,200	14088.253 ha + 44.827 km + 0 gab	75,62,429
2020-2021	2,734.493	44,87,353	53.233	2,01,223	30,400	30,400	70,000	14,000	---	---	---	---	165,000	1,65,000	7,909.530	15,81,906	10879.023 ha + 53.233 km + 30400	64,79,882
2021-2022	3,324.858	48,39,573	88.572	4,48,060	720	720	2,160,000	4,32,000	---	---	---	---	---	---	6,922,000	12,69,400	12406.858 ha + 88.572 km + 720 gab	69,89,753
2022-2023	3,202.833	49,32,992	72.048	6,32,951	18,080	18,080	410,000	82,000	2,575,000	25,75,000	---	---	860,000	8,60,000	10,249,000	18,79,950	17296.833 ha + 72.048 km + 18080 gab	1,09,80,973
Note :-	1. Gol initiated release of Funds from Financial Year 2009-10 for execution of Compensatory & NPV works in Jharkhand State.																	
	2. In FY 2010-11 only 1st Year Advance work was carried out under CA & NPV afforestation schemes except the Linear plantation where advance and completion were carried out in the same financial year.																	

AP022-23

- Request for details to be shared with NMCG on work done under afforestation activities and utilization of funds-reg.

From: Sunil Kumar (sunilkumar@nmcg.nic.in)

To: pccfjharkhand@yahoo.co.in; pccfjhk@jharkhandmail.gov.in; pccf-jh@nic.in

Cc: sbgforest@gmail.com; dfo-sahebganj@gov.in; sandeepbehera@nmcg.nic.in; b.sikka@gov.in

Date: Monday, 25 October, 2021, 05:23 pm IST

Respected Sir,

I have been directed to share the D.O letter, dated 21.10.2021 from DG, NMCG regarding the above-mentioned subject.

अपर प्रधान मुख्य वन संरक्षक,

कैम्पा, झारखण्ड, राँची

प्राप्त पत्र सं० ७१५

दिनांक २३/१०/२०२१

Regards

Sunil Kumar

Environment Engineer

National Mission for Clean Ganga (NMCG)

Department of Water Resources, River Development & Ganga Rejuvenation

Ministry of Jal Shakti, Government of India

1st Floor, Major Dhyan Chand National Stadium, India Gate, New Delhi-110002

Phone: 011-23072900 (O), EXT: 454

Mobile: 910312424993

APCCF (CAMPA)

27/10/21



कार्यालय प्रधान मु० व० सं० झारखण्ड

गै० सं० प्रे० सं० १५२५

दिनांक २६/१०/२०२१

MoM 8th ETF held on 22.09.2021.pdf
6.7MB

Copy of DO letter dated 12-7-2021_PCCF & HoFF, Govt of Jharkhand.pdf
757.7kB

DO letter from DG NMCG to PCCF & HoFF, Govt of Jharkhand_21-10-2021.pdf
686.7kB

**Office of the Additional Principal Chief Conservator of Forests,
CAMPA, Jharkhand, Ranchi**

Memo No. 455

Date: 27/10/2021

Copy forwarded to Regional Chief Conservator of Forest, Dumka for information and necessary action.

Saujana
27/10/2021
Additional PCCF, CAMPA
Jharkhand, Ranchi



सत्यमेव जयते

D.O. No. Ad-34019/1/2021-NMCG-NMCG

Date: 21st October, 2021

Kindly refer my DO letter on even number dated 12/7/2021 (copy enclosed) for taking up afforestation works as per FRI-DPR through State & Central CAMPA funding as well as furnishing details of projects taken-up so far through CAMPA funds.

2. The matter was also discussed during the 8th Empowered Task Force (ETF) meeting held on 22nd September, 2021 under the chairmanship of Hon'ble Minister of State for Jal Shakti for ensuring effective use of the CAMPA funds for afforestation along the Ganga. During the meeting, the concerned State Forest Departments were directed to carry out an assessment of work done under the afforestation activities from CAMPA & NMCG funds, funds utilized under both the schemes, balance work remaining as per the components listed in the FRI-DPR, and assess the requirements of funds in the next three years (copy of minutes enclosed).

3. It may be reiterated that during the 1st National Ganga Council (NGC) meeting held on 14th December, 2019 under the chairmanship of Hon'ble Prime Minister, it was decided that top priority may be given by Ministry of Environment, Forest & Climate Change and the States for effectively utilizing CAMPA funds for afforestation along Ganga, development of Ganga nurseries and allied activities. In the meeting, the then Union Minister of Environment, Forest & Climate Change informed that Rs. 9500 crores had been released to five Ganga States under CAMPA, which can be utilized for afforestation programme in the Ganga River Basin.

4. The State Forest Departments are, therefore, again requested to accord top priority for taking up afforestation works in the Ganga basin with CAMPA funds and share details as discussed during the 8th ETF meeting as per the format given at Annexure-I. The requisite information may kindly be furnished within 2 weeks positively.

Yours sincerely,

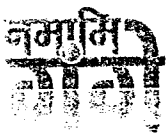
Sd/-

(Rajiv Ranjan Mishra)

Shri L. Khyangte, IAS

Additional Chief Secretary, Department of Forest, Environment & Climate Change,
Government of Jharkhand, Nepal House, Doranda, Ranchi-834002

Contd..



राष्ट्रीय स्वच्छ गंगा मिशन

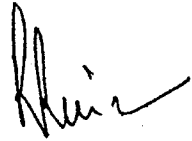
प्रथम तल, मेजर ध्यान चंद नेशनल स्टेडियम, इण्डिया गेट, नई दिल्ली-110002
NATIONAL MISSION FOR CLEAN GANGA

1st Floor, Major Dhyana Chand National Stadium, India Gate, New Delhi - 110002
Ph : 011-23049528 Fax : 23049566 Email : dg@nmcg.nic.in



Copy to

Shri P. K Verma, IFS
Principal Chief Conservator of Forests & HoFF, Forests, Environment and Climate Change
Department, Government of Jharkhand, Van Bhawan, Doranda, Ranchi -834002



(Rajiv Ranjan Mishra)

Annexure-I

State	Total targeted afforestation area as per FRI DPR (in ha.)	Afforestation scheme	Afforestation done so far			Remarks
			Total area covered in ha.	No. of Plants	Fund utilisation (Rs. in crore)	
		Namami Gange (Regular APOs)				
		Namami Gange (Ganga Gram)				
		CAMPA				
		Other scheme				
Total						
Total balance area= (Total targeted area as per FRI DPR (in ha.) – Total area covered under plantation (in ha.))						

↑

सहायिदेशक

राष्ट्रीय स्वच्छ गंगा मिशन

Rajiv Ranjan Mishra, IAS

DIRECTOR GENERAL

NATIONAL MISSION FOR CLEAN GANGA



सत्यमेव जयते

भारत सरकार

जल शक्ति मंत्रालय

जल संसाधन,

नदी विकास और गंगा संरक्षण विभाग

GOVERNMENT OF INDIA

MINISTRY OF JAL SHAKTI

DEPARTMENT OF WATER RESOURCES,

RIVER DEVELOPMENT & GANGA REJUVENATION

D.O. No. Ad-34019/1/2021-NMCG-NMCG

Dated: 12/07/2021

National Mission for Clean Ganga (NMCG) under the 'Namami Gange' programme is implementing works relating to "Forestry Interventions for Ganga" since the year 2016 in the five Ganga bank States as per the DPR prepared by Forest Research Institute (FRI), Dehradun. The financial outlay for the project estimated by FRI is Rs 2293.73 crore for plantation in around 1,35,000 ha. land in the Ganga basin.

2. Implementation of the project was initiated under the 'Namami Gange' programme from the year 2016-17 onwards through the State Forest Departments of the respective Ganga bank States. Despite limited fund availability under the programme, NMCG has so far sanctioned funds to the tune of Rs. 423 crore towards afforestation projects in the five States from internal budgetary provisions for plantation in around 26,764 ha. Due to budgetary constraints, it would also not be possible to take-up large-scale afforestation works in coming years under the programme.

3. Therefore, in order to fully implement the forestry interventions for Ganga as per the FRI DPR, there was a need to supplement funds from other sources.

Accordingly, during the meeting chaired by Principal Secretary to PM on 31/8/2018 it was agreed that afforestation along river Ganga & tributaries as per the DPR prepared by FRI shall be carried out through CAMPA funds available with MoEF&CC (Copy enclosed at Annexure-I).

Shri Prakash Javadekar, the then Union Minister for Environment, Forest & Climate Change had informed during the 1st National Ganga Council (NGC) meeting held on 14/12/2019 under the chairmanship of Hon'ble Prime Minister that Rs.9500 crore has been released to five Ganga States under CAMPA, which can be utilized for afforestation works in the Ganga basin. It was decided during this meeting that top priority may be given by MoEF&CC and the States for effectively utilizing CAMPA funds for afforestation along Ganga, development of Ganga nurseries and allied activities (copy enclosed at Annexure-II).

The State Forest Departments of the five Ganga bank States also agreed during the meeting held under the chairmanship of DG, NMCG on 7/2/2020 that they will utilise CAMPA funds for plantation works as per the FRI DPR (Copy of minutes enclosed at Annexure-III).

Contd..



राष्ट्रीय स्वच्छ गंगा मिशन

प्रथम तल, मेजर बदन चंद नेशनल स्टेडियम, इण्डिया गेट, नई दिल्ली - 110002
NATIONAL MISSION FOR CLEAN GANGA

1st Floor, Major Bदन Chand National Stadium, India Gate, New Delhi - 110002
Ph: 011-23649339 Fax: 011-23649339 Email: nmcg@nic.gov.in



4. The State Forest Department of Jharkhand is, therefore, requested to expeditiously take up balance plantation works as per the FRI DPR from year 2021-22 onwards through State & Central CAMPA funding. Details of APOs/project proposals sanctioned/under implementation through CAMPA funds may be provided to NMCG at the earliest.

Yours sincerely,

Sd/-

(Rajiv Ranjan Mishra)

Shri L. Khiyangte, IAS
Additional Chief Secretary
Department of Forest, Environment & Climate Change,
Government of Jharkhand
Nepal House, Doranda, Ranchi

Copy to:

Shri P. K Verma, IFS, Principal Chief Conservator of Forests & HoFF, Forests,
Environment and Climate Change Department, Government of Jharkhand, Van Bhawan,
Doranda, Ranchi

Yours sincerely,



(Rajiv Ranjan Mishra)

Email

ANNEXURE-3563

APCCF, CAMPA
Sanjay Srivastava
APCCF, Devt

Including afforestation activities in Ganga Basin as per DPR prepared by FRI in 5 Ganga States-reg.

From : N CAMPA <adhoc-campa-mef@nic.in>

Mon, Mar 20, 2023 11:40 AM

Subject : Including afforestation activities in Ganga Basin as per DPR prepared by FRI in 5 Ganga States-reg.

1 attachment

To : apccfcampa bih <apccfcampa.bih@gmail.com>, APCCF, CAMPA <apccf-campa@gov.in>, ceocampaup@gmail.com, CEO CAMPA <ceocampa-forest-uk@nic.in>, wbcampa@gmail.com, pccfbihar@gmail.com, Sanjay Srivastava <pccf-jhk@gov.in>, PCCF UP <pccf-up@nic.in>, pccfuk@gmail.com, Soumitra Dasgupta, IFS <pccfhoff-wb@nic.in>, Soumitra Dasgupta, IFS <pccfhoff.office-wb@gov.in>



Cc : Subhash Chandra <subhash.chandra65@gov.in>, raghuprasad@gmail.com, Anand Kumar Prabhakar <or154.ifs@nic.in>, SANJAY KUMAR CHAUHAN <sanjay.ifs12-mp@nic.in>, dr sdsinghifs <dr.sdsinghifs@gmail.com>, saxenapk87@gmail.com, jpsharma163@gmail.com, dr priyankatripathi1 <dr.priyankatripathi1@gmail.com>, apoorvaapoorva eds39 <apoorvaapoorva.eds39@iiitb.net>

Sir/Madam

कार्यालय प्रधान यु० व० सं० सचिव
गै० सं० प्रे० सं० 564
दिनांक 21.03.2023

Please find the attached document for the above mentioned subject.

Regards

National Authority, Ministry of Environment, Forest & Climate Change
Hall No.1, 4th Floor,
Block No.3, CGO Complex,
Lodhi Road, New Delhi - 110 003.
Phone : 011-24361952
Phone : 011-24368006
E-mail : adhoc-campa-mef@nic.in

File No. NA-6/1/2020-NA
Government of India
Ministry of Environment, Forest and Climate Change
National Compensatory Afforestation Fund Management and Planning Authority
E-mail: adhoc-campa-mef@nic.in

Hall No.1, 4th Floor,
Block No. 3, CGO Complex,
Lodhi Road, New Delhi-110003
Dated the 16th March 2023

To,

The Chief Executive Officer
State CAMPA, Bihar, Jharkhand, Uttar Pradesh, Uttarakhand & West Bengal

Sub: Including afforestation activities in Ganga Basin as per DPR prepared by FRI in 5 Ganga States-Reg.

Sir,

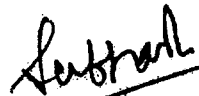
FRI has prepared DPR for Ganga basin rejuvenation through forestry interventions for rejuvenating Ganga basin and improving ecological flow of Ganga River adopting sustainable practices, which is being implemented under Namami Gange Mission. In this regard, the review meetings about the use of funds including State CAMPA funds for forestry activities in forest areas in Ganga Basin and progress of afforestation are being held at different levels especially the PMO, Ministry of Jal Shakti, MoEF&CC from time to time.

2. A meeting was convened in this regard by the National Authority on 20.1.2023 with the 5 Ganga States of Uttarakhand, Bihar, Uttar Pradesh, West Bengal and Jharkhand State CAMPA representatives for future course of action in forestry activities in the Ganga Basin. Preparation of a comprehensive planning and year wise action plan was emphasized in the meeting as per the DPR and be made part of Annual Plan of Operation for coming years.

3. It was decided that the funding for afforestation activities in the 5 Ganga States will be included in the State APOs submitted by the States for approval to the National Authority. This will be given preference while approving their APOs by the National Authority.

The States of Ganga basin are requested to submit a holistic year wise plan under Mission Namami Gange along with available share of NPV funds with State CAMPA.

Yours faithfully



(Subhash Chandra)
Chief Executive Officer
National Authority

Copy to:

The PCCF/Head of State Forest Departments of Bihar, Jharkhand, Uttar Pradesh,
Uttarakhand & West Bengal



दूरभाष:निदेशक/
Phone Director: 033-2400-6893
टेलिफेक्सप्रशासनिकअधिकारी/
Tele-Fax HOO : 033-2400 8595

Email: zsi.kolkata@gmail.com

Website: http/ www.zsi.gov.in in



भारत सरकार

GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
Ministry of Environment, Forests & Climate Change



भारतप्राणिसर्वेक्षण

Zoological Survey of India
प्राणिविज्ञान भवन

Prani Vigyan Bhawan
एमब्लॉक, न्यूअलीपुर,
'M' Block, New Alipore
कोलकाता, /Kolkata-700053

By e-mail.

F. No. 223/2022/ PROJECTS/ 6681

Date: 13th March 2023

To
The Divisional Forest Officer
Godda Forest Division
Godda, Jharkhand


Sub: Submission of project proposals reg:-

Greetings from the Zoological Survey of India!

Sir,

I am sending herewith two proposals titled "Preparation of Elephant Management and Action Plan (2023-24 to 2032-33) for Godda Forest Division Jharkhand" and "A model setup to reduce snake-human conflict in Godda district, Jharkhand, India", for your kind consideration and necessary funding provisions.

Looking forward for a long-term collaboration in future.


16/03/2023

Dhriti Banerjee
(Director)

Enclosures:

1. Project Proposal
2. CV of the PI (Dr. Pratyush P. Mohapatra)

Dr. Dhriti Banerjee
Director
Zoological Survey of India
MoEF&CC, Govt. of India
Kolkata-700053



Project Proposal on

**A model setup to reduce snake-human conflict in Godda district,
Jharkhand, India**



Coordinators

Dr. Dhriti Banerjee

Director, Zoological Survey of India, New Alipore, Kolkata

&

Shri Maun Prakash, IFS

Divisional Forest Officer, Godda Forest Division, Jharkhand

Project Principal Investigator

Dr. Pratyush P. Mohapatra

Scientist-E, ZSI, Kolkata (HQ)



Zoological Survey of India

(Ministry of Environment, Forests and Climate Change)

M-Block, New Alipore, Kolkata-700053, West Bengal

Project Proposal on

A model setup to reduce snake-human conflict in Godda district, Jharkhand, India

Duration: 36 months (3 years)

Budget: 88.55 lakhs (Rupees Eighty-eight lakh Fifty-five thousand only)

A. INTRODUCTION

Among all animals, reptiles, especially snakes are most prone to end up in conflict as they share living space with humans in rural and urban landscapes alike and some species are potentially dangerous to humans. Close encounters of humans with snakes are, for the most part, inevitable as these animals (including some potentially dangerous species) have adapted to live close to human habitations for easy prey, pulled in search of food and pushed out due to fragmentation and destruction of habitats. As per recent studies on snakebite deaths in India, an average of 58000 deaths per year is estimated with annual morbidity of 1.11–1.77 million bites during 2015. The states of Bihar, Jharkhand, Madhya Pradesh, Odisha, Uttar Pradesh, Andhra Pradesh, Telangana, Rajasthan, and Gujarat are more prone to snakebite deaths. The deaths are mostly due to bites of potentially dangerous snakes such as Russell's viper (*Daboia russellii*), kraits (*Bungarus* spp.) and cobras (*Naja* spp.) and incidents are mostly recorded during the rainy season. The major limitations in managing snakebite-related human health hazards include (i) Limited understanding of snake biology, (ii) Limited snakebite treatment protocol and scarcity of anti-venom, (iii) Geographical variation in the venom of a single species across different regions, (iv) Misconception and lack of awareness among the public.

Snakes as a part of the ecosystem play a significant role as predators to a wide range of animals and also serve as prey to many animals. Some snakes are expert rodent hunters controlling a significant population of rodents, which are otherwise inaccessible to other predators. Even, many lifesaving drugs including anti-snake venom are prepared from the venom of some species. Human- Snake conflict is an everyday challenge and nearly a thousand snakes are rescued by rescuers across India. Outcomes of such interactions tend to be unfavourable for the animal and/or human involved. With an increase in human population coupled with habitat loss and habitat degradation, the frequency of humans and wildlife interactions has also increased rapidly.

These interactions often result in the loss of lives on both sides. Recently, the human-wildlife conflict has momentum in the tropics with a launch of a number of conservation efforts to mitigate and manage such negative interactions. However, the Human Snake Conflict (HSC), which claims the highest number of human lives, is yet, only provided a little attention.

The abundance of a particular species of snake varies spatially and temporally. Young snakes (just after hatching, till they get settled in a particular territory) are naturally more abundant than adults. Similarly, highly adaptable species tend to be more abundant than habitat specialists. The distribution and abundance of snakes also vary across landscapes, habitat types and also adaptability of a snake towards rapidly changing habitats. In ideal conditions, snakes are secretive and are mostly encountered randomly/accidentally inside human settlements, or they may get detected when we disturb their microhabitats through earth-moving, constructions, farming activities etc. In rural areas, humans very often encounter resting snakes while removing fuel woods/cow dung or bricks from piles. Such spots offer a warm and safe microhabitat for many snakes. On a temporal scale, the chance of an encounter is high during the rainy season when snakes come out of their burrows/hideouts due to their flooding. In some instances, snakes are encountered more frequently when they find human habitation as a safe and warm place to over-winter or for egg-laying or for easy prey-hunting (house rodents).

Based on the habitat preferences of the venomous snakes, Russell's viper, binocellate cobra and common kraits prefer dry areas, while monocellate cobra and banded krait prefer moist areas such as wetlands, water-logged areas and swampy habitats. On the other hand, saw-scaled vipers prefer dry rocky terrain, scrub forests, and in rock piles etc. Based on their activity, snakes can be classified as diurnal, nocturnal or crepuscular. However, most snake-related encounters/conflicts happen accidentally or when humans have ventured into snake habitats. In a natural ecosystem, snakes do have inter-species competition for food and resources and they avoid encounters. For example, rat snakes and cobras being most common snakes encountered near human habitation and being competitors for food and resources, often avoid each other. Hence, sensitising humans to coexist with the non-venomous rat snakes might save them from the deadly cobra. This can be a better way of catalysing coexistence.

HSC has emerged as one of the most serious type of HWC in terms of morbidity and mortality. Despite the severity of the problem, HSC is largely underestimated and ignored due to several reasons. In the global scenario, the World Health Organization (WHO) has included snakebite as

a 'Neglected Tropical Disease'. WHO's global strategy emphasizes a combination of approaches, such as empowerment and engagement of the community, improved access to modern health facilities, and better cooperation and coordination among stakeholders, at local, regional and national level. It is pertinent here to mention that snakebite affects more humans than many other 'Neglected Tropical Diseases' and often causes death, disability or disfigurement. Studies have shown that around 60% of snakebite incidents occur in and around houses. This has made the case for considering snakebites as rural hazards, not as occupational hazards. Out of the total snakebites in and around houses, 10% occur while humans are sleeping. The HSC has emerged as a complex problem because of its magnitude and underlying medical conditions in terms of morbidity due to snakebite.

One of the major underlying drivers of SHC is the socioeconomic condition of humans. The kutcha house (made of mud and thatch), lack of household toilets, water connectivity, electricity, etc. can be drivers of the conflict, sometimes causing loss of life. The expansion of human settlements encroaching natural habitats of these reptiles, and credulous beliefs associated with the snakes aggravate the conflict to a greater extent. Poor medical facilities in most parts of rural India and deep-rooted misconceptions about snakes often mislead snakebite victims to end up in trouble.

As it is already mentioned, some snakes are dreaded as dangerous animals due to their potency to kill humans. Although 15% of land snakes are potentially dangerous for humans, only the common ones named as Big-4 venomous snakes of India (*Naja naja*, *Bungarus caeruleus*, *Echiscarinatus* and *Daboia russelii*) cause about 90% of snakebite morbidity. Death records due to 20 species of sea snakes are negligible though they also possess highly potent venom. This study aims at understanding the root cause of HSC in the Godda district of Jharkhand state by studying the ecology, behaviour and magnitude of human-snake interaction.

Methodology

Study area and sampling methodology (Figure 1):

The Godda district has a geographical area of 2237.62 km² situated in the north-west of Jharkhand state. The land use and land cover of Godda district can be classified as 51.38% cropland (1149.86 km²), 21.97% forests (491.68km²), 19.02% rangeland (425.65km²), 7.1% built-up area (158.83km²), 0.43% waterbodies (9.33 km²), and 0.1% bare ground (2.26km²). The

total area was divided into grids of 2km X 2km, which comes to about a total of 779 grids. The exact number of grids to be sampled will be intimated after the reconnaissance survey, within 6 months of the study.

The study is planned to be undertaken as a systematic grid-based survey by sampling across various habitat types, physiographic zones and human-dominant landscapes.

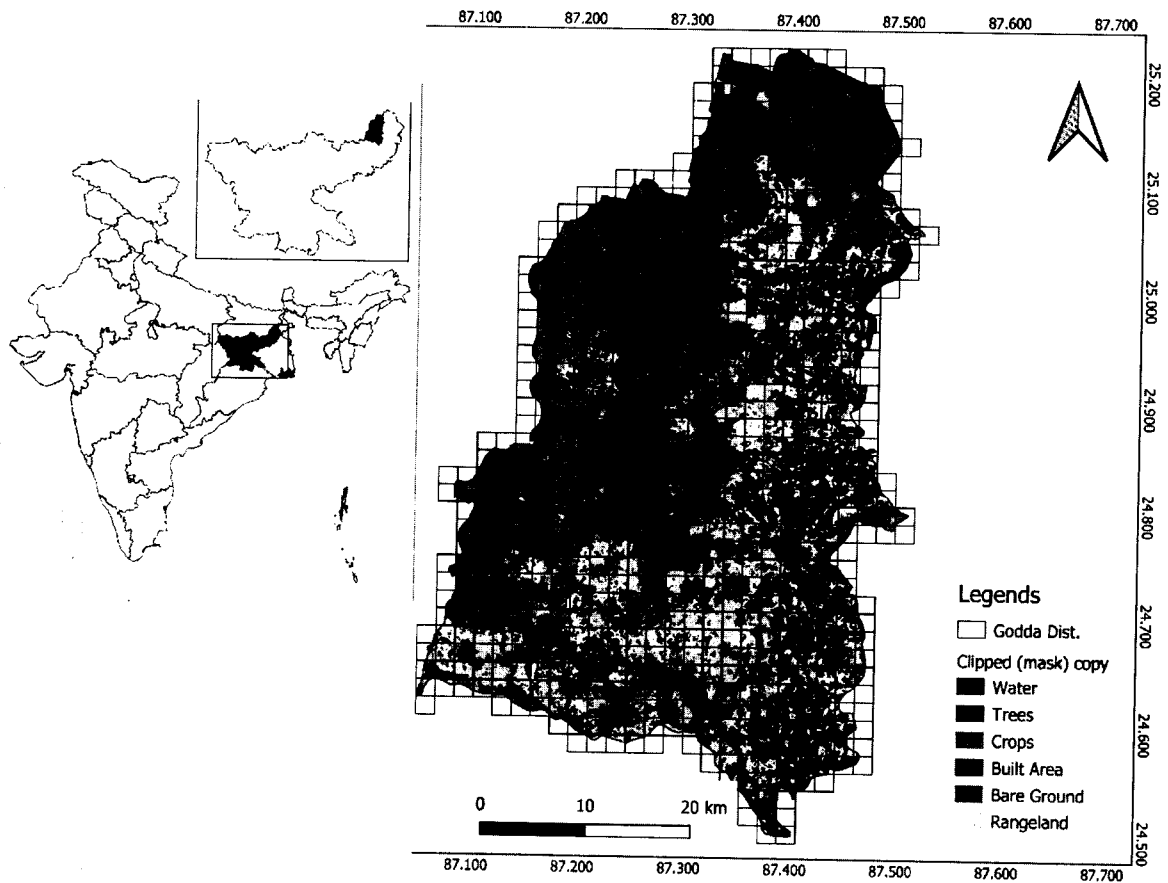


Figure. 1. Map showing location of Study area and division of study area in 4km² grids.

The study is divided into three parts, the first six months is planned to generate baseline data on the prevailing situation of HSC, the second part involves intervention in terms of massive awareness and provisioning for scientific snake rescue and relocation and the third part involves understanding the ecology, biology and behaviour of snakes species in the landscape to develop a standard

operating procedure for mitigation of HSC.

A. Baseline data collection (6 months)

1. Hospital survey to understand the conflict

- Five years of data including patients' information to understand the spatiotemporal pattern of snakebite incidents and correlate with the cause of snakebite.
- Semi-structured questionnaire survey to understand the knowledge of health workers in snakebite management and the health-seeking behaviour of the snakebite victims as observed by health workers.

2. Questionnaires survey to understand people's perception, knowledge and attitudes about snakes and snakebites.

- People's perceptions and attitudes are one of the main factors which influence the snake-human conflict. Baseline data will be collected through a semi-structured questionnaire survey across different communities, rural to urban gradients peoples, schools and college students, which will help understand the misconception, fear and negativity about snakes and snakebites. This information will help to design audience-based awareness programmes and quantify the change in people's perceptions towards snakes and snakebites.

3. Finding out traditional healers (to prepare a database) and blind beliefs regarding snakes in the study area.

- Misconceptions/blind beliefs are the important factors which play an important role in snakebite mortality. People from rural areas and tribal communities sometimes prefer traditional healers rather than seeking medical help, which is not only deleterious for the snakebite victim but it may lead to serious consequences in minimizing the chance of survival due to late arrival in the hospital to avail proper medical treatment.
- A database of traditional healers will be prepared during the baseline data collection phase to motivate them (the traditional healers) to guide the snakebite victims to the hospitals.

4. Diversity and abundance of various snake species in the study area.

- The study involves Simple Random Sampling (SRS), Stratified Random Sampling (StRS) and Opportunistic Sampling (OS), which gives the best results,

particularly in snake diversity studies. The entire study area covering the Godda district will be divided into 2km × 2 km grids, covering a total of approximately 500 grids.

- Different sampling techniques will be used (e.g. VES, random sampling, road cruising and FGD in systematic grid-based surveys) to understand the diversity and richness of snakes in different habitat types in the Godda district. Surveys will be carried out during day and night time for species having diurnal and nocturnal activities.
- During field surveys, snakes will be sampled by active search methods. Data on microhabitats, relative abundance and other climatic information will be obtained for analysis. Although surveying snakes are often faced sampling issues, care will be taken to use pre-available information from the local community (secondary sources), which will be filtered and then will be used for analysis.
- Combining the ecological factors with the hospital survey data it is possible to understand the magnitude of snake-human conflict in this area.
- Information on biology, natural history and traditional knowledge associated with snakes in the study area will be collected.
- A database of DNA barcodes of the snake species will be prepared to understand the genetic diversity of the snake species of the study area and

5. Capacity building through snake rescue training among local rescuers and local forest staff.

- Snakes around the world are persecuted due to misconception, fear and negative attitudes. Conservation of snakes is difficult without massive awareness among local communities along with provision/immediate solutions such as snake rescue.
- The project aims at building the capacity of a set of snake rescue volunteers who will be trained to rescue and relocate distressed snakes with sound scientific knowledge about snakes. The training module will be consisting of two parts: theoretical training focusing on snake identification, biology and ecology of snakes, and first aid; and practical training for safe rescue and relocation of snakes.

B. Activation of snake rescue networks and awareness campaigns

1. Training and capacity building of snake rescuers

Small groups of frontline staff of the forest department and interested local volunteers will be trained in snake rescue and rehabilitation.

2. Awareness through wall painting, ICT materials, leaflets, and awareness in schools and colleges through rescuers.

- Awareness programmes will be conducted by targeting different age groups indifferent communities, schools and colleges. Audience-specific awareness materials will be designed in local languages containing information on local snake species (identification, local names and venomous or non-venomous) and snakebite-related information (how to avoid snakebite, what to do and don't do after snakebite, etc.).
- Additionally, wall paintings and banners at schools, colleges, health centres, and public places will be displayed. During, awareness campaigns phone numbers of the certified rescuers will be made available to the public to seek help during emergencies.

3. Training for the health workers.

Training will be provided to the health workers from general hospitals, multi and super-spatiality hospitals regarding the preliminary treatment of snakebite e.g. patient assessment, general management (antibiotics & fluid), management of pain, handling tourniquets, management of swelling, criteria for administration of AVS, signs of recovery, repeat doses of AVS, management of different toxicity, management of adverse reactions to ASV.

4. Full-fledged activation of the Snake rescue programmes.

After the collection of questionnaire survey data, the potential areas of snake-human conflict and activate rescue programs in those conflict-prone areas. After completion of each rescue operation location, time, habitat type and situation of the snake will be recorded.

5. Training local veterinarians on the treatment of injured snakes and development of a training protocol.

We will train both govt. veterinarians on the treatment of injured snakes, operation methods to remove anthropogenic debris materials from snakes and other treatments

regarding diseases.

C. Study on biology and behaviour of snakes

Most snakebite research and management is already focused on venom—its properties, effects, and antivenoms. The remainder mostly focuses on the analysis of incidence and individual risk factors. Snakebite incidences at least partly depend on the biology of the snakes, which is poorly explored around the world. Other aspects of snake biology, including behaviour, spatial ecology and activity patterns, distribution, and population demography, which can contribute to snakebite mitigation and prevention, remain understudied. The present study will be focusing on how demographic, spatial, and behavioural studies can improve our understanding of snakebite incidents and may provide evidences for prevention strategies, and maximise the impacts of both existing and new snakebite management techniques.

1. Implantation of PIT Telemetry and Capture-Mark-Recapture study in potentially dangerous snakes rescued during the study period (Poulation dynamics, density, home range, growth, and behaviour).

In India, there is a paucity of information on ecological knowledge about the medically important species of snakes. This study is planned to implement PIT, Telemetry and Capture-Mark-Recapture methods to determine the impact of short and long-distance translocation, poulation dynamics, density, home range, growth, and behaviour of snakes, specifically the medically important species. The Capture-Mark-Recapture study will be targeted for snakes of all age group and PIT and the Telemetry study will be focused only for the adult snakes.

2. Understanding habitat suitability, home range, space use, spatio-temporal activity pattern and thermal ecology of potentially dangerous snakes through Radio telemetry study.

Ecological information on Indian venomous snakes is poorly documented or absent. It is a well known fact that in India the “Big Four” venomous snakes such as *Najanaja*, *Bunguruscaeruleus*, *Daboiarusselii* and *Echiscarinatus* are largely responsible for snakebite deaths. Published reports from Jharkhand suggest presence of multiple medically important beyond the “Big Four”.

To mitigate snake-human conflict, the translocation of snake is globally attempted in an uncontrolled fashion with little to no conservation value. Existence of literature suggest there are two types of translocation performed: long and short-distance. Based on the welfare of the animals involved and difficulty of achieving success with long-distance translocations, on the other hand, short-distance translocations are most favourable. In most of the cases the long-distance translocated snakes show high mortality rate and travelled greater distances. In India, The translocated *Ophiophagus hannah* moved a lot more, ate less frequently and did not reproduce. Very few studies have been focused on the ecology of medically important snakes in India. Till now only two studies have been conducted in India, (i) to understand the spatial ecology and diet selection of King cobra *Ophiophagus hannah* and (ii) behavioural ecology and natural history of Russell's viper *Daboia russelii*. But in both the cases the sample size was very low and study was completed in a short period of time.

This study is planned to understand the habitat suitability, home range, space use, spatio-temporal activity pattern and thermal ecology of potentially dangerous snakes through Radio telemetry study for at least 2 years. Additionally, it is planned to implant very high frequency (VHF) thermo sensitive-transmitter in 40 to 50 individuals of venomous snakes (*Daboia russelii* and *Bungarus caeruleus*) and tracking them with an RX-1000 telemetry receiver with a two-element Yagi antenna. Individuals will be tracked using a Garmin handheld GPS receiver. Following areas will be investigated during the study period.

- A. Impacts of long-distance translocation in snakes' on their survival, movements, reproduction, and brumation: Case study in *Bungarus caeruleus*, and *Daboia russelii*.
- B. Home range, habitat use, activity, and spatiotemporal movement patterns of *Bungarus caeruleus*, and *Daboia russelii*: Implication for snakebite incident.
- C. Role of prey abundance and anthropogenic disturbance on spatial ecology of *Bungarus caeruleus*, and *Daboia russelii*.

B. EXPECTED OUTCOMES

- **An initiative to zero down snakebite death in the Godda district of Jharkhand through awareness, policy intervention and increased awareness about snakes.**
- **Public awareness:** The study involves one of the most common health hazards and will be dealing with various mitigation measures to reduce snakebite mortality. It is expected to help hundreds and thousands of people in the landscape to have a better understanding about the potentially dangerous snakes.
- **Better understanding of the taxonomy of snakes in the study area.** This study will throw light on cryptic species and genetically distinct meta-population if any. The taxonomy of medically important species will be evaluated to have more clarity in applied research. The study will also provide noble insights into evolutionary history, biogeography and conservation planning.
- **Publications and outreach activities.** During the survey outreach materials will be developed concerning snakes and mitigation measures to reach out to maximum possible public in the study area. The outreach materials will be developed in local language with graphical representations for easy understanding. Further, communication of findings will be published in peer-reviewed journals for international visibility.
- Documenting and updating knowledge about snakes, snakebite and possible remedial measures to reduce unnatural deaths.
- Collection of baseline data about necessity and preparedness for monovalent and polyvalent anti snake venom by involving integrative approach.

C. PROGRAMME BUDGET

a) MANPOWER (in lakh)

Positions	No.	Duration	1 st year		2 nd year		3 rd year		Grand Total
			Emoluments	Total	Emoluments	Total	Emoluments	Total	
Project Scientist	1	36	N.A. (Declaration: This project is designed for the project scientist enrolled as a PhD scholar at the Zoological Survey of India and the project scientist will be drawing his fellowship from University Grants Commission to carry out the study)						
Project Assistant	1	36	0.15 X 12 months X 01 PAs	1.8	0.15 X 12 months X 01 PAs	1.8	0.15 X 12 months X 01 PAs	1.8	5.4
Total			1.8		1.8		1.8		5.4

Note. A total of 10 Snake Rescue Volunteers (part-time service) from the forest department may be trained for this activity or 10 volunteers may be hired for the entire project period for which an additional cost of 36 lakhs may be incurred for 36 months @ Rs10000 per month per rescuer.

b) TRAVEL and establishment of Base camp (in lakh)

TA & DA	1 st year	2 nd year	3 rd year	Total
Travel of P.I. & scientific staff of ZSI	0.5	0.5	0.5	1.5
Travel by project staff including SRVs for snake rescue and study research	3.0	3.0	3.0	9.0
Establishment of Base camp at Godda during the entire project period (36 months)	1.2	1.2	1.2	3.6
Total	4.7	4.7	4.7	14.1

c) EQUIPMENT AND SUPPLIES (in lakh)

Sl. No	Generic name of the equipment	Estimated cost/item	Total
1.	PIT tags and tag reader	3.0	3
2.	VHF Radio transmitter (60 units), receiver (02 units) and antennae (03 units), headphones (2 units) including taxes	13	13
3.	GPS (01 unit)		0.2
4.	Data logger		0.8
5.	Digital camera (02 units)	0.5	1.0
6.	Digital SLR camera with 70-200mm f/2.8L lens and accessories	3.0	3.0
7.	Snake-catching kit (20 units)	0.3	6
8.	Field Laptop and accessories for field use (1 unit)	1.0	1.0
9.	Projector (02 units), screen and accessories	1.0	1.0
			29

d) CONSUMABLES AND OUTSOURCE CHARGES (in lakh)

Sl. No.	Particulars	1 st year	2 nd year	3 rd year	Total
1	For DNA sequencing of nearly 100 samples including consumables such as chemicals, Kits and glassware for DNA isolation	1.0	1.0	1.0	3.0

e) WORKSHOPS, PUBLICATION, CONTINGENCY AND MISCELLANEOUS CHARGES (in lakh)

Sl. No.	Particulars	1 st year	2 nd year	3 rd year	Total
1	Workshops and training to the SRVs and other line departments (at least 20 events)	4.0	4.0	4.0	12.0
2	Publication of outreach materials (Wall paintings, booklets, posters, stickers etc.) to reach out to the general public	1.0	1.0	1.5	3.5
3	Article processing charges for publication of scientific findings in reputed journals	0	0	1.5	1.5
4	Medical Insurance for all the temporary staff (premium amount to be paid each year for the entire project duration)	1.0	1.0	1.0	3.0
5	Contingency and other unforeseen expenditure	3.0	3.0	3.0	9.0
Total		9.0	9.0	11.0	29.0

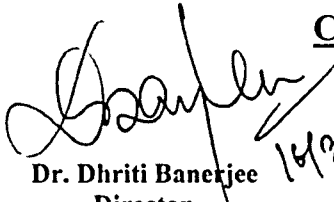
BUDGET BREAKDOWN (in lakh)

Sl. No.	Budget heads	Year			Total
		I	II	III	
a)	Manpower	1.8	1.8	1.8	5.4
b)	Travel and establishment of base camp	4.7	4.7	4.70	14.10
c)	Equipment and supplies	29.0	0	0	29.00
d)	Consumables	1.00	1.00	1.00	3.00
e)	Workshops, Publication, Contingency and Miscellaneous Charges	9.00	9.00	11.00	29.00
Total					80.50
Overhead charges for the institution (10% of the total budget)		8.05	0	0	8.05
Grand total expenditure		53.55	16.50	18.50	88.55

TERMS OF REFERENCE FOR UNDERTAKING THE PROGRAMME BY ZSI

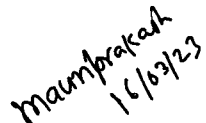
While, the Zoological Survey of India, Kolkata will carry out the above proposal, for field visits by the scientists and project personnel, the permission for snake rescue, capture and implementation of PIT tags and radio transmitters and collection of tissue samples and voucher specimens etc. are to be facilitated/ accorded by the DFO, Godda Forest Division. For accommodation of the associated staff of the Zoological Survey of India, Forest Rest Houses and other Government accommodations may be facilitated by the DFO, Godda Division during the survey period.

Coordinators


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 Director

Zoological Survey of India, Kolkata
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JHARKHAND CAMPA
Monitoring work done by the Monitoring and Evaluation wing of the State Forest Department
Summary of Monitoring Report

Scheme	Name of Forest Division	Inspection Site	Unit/Area (ha)
1	2	3	4
Year 2016-17			
Soil Conservation & Afforestation scheme (NPV)	Hazaribagh East	Mokamo	50 ha
		Mayapur	40 ha
		Nagarkeswari/Dumriyatnr	50 ha
		Mandramo	50 ha
Compensatory Afforestation	Hazaribagh West	Talsavar	100 ha
Year 2017-18			
Construction of Forest Guard Quarter	Chatra North	Hauaag	1 unit
Construction of Forest Guard Quarter		Kunda	1 unit
Rehabilitation of degraded forests	Gumla	Surajpur P.F	25 ha
Silvicultural Operation	Chatra South	Lohra	50 ha
Year 2018-19			
Construction of Forest Guard Quarter	Hazaribagh SF	Bamnvey	1 Unit
Permanent Nursery		Charwa Dam	02 ha
Soil Conservation & Afforestation scheme		Kanchanpur, Garke, Govindpur	40 ha
Soil Conservation & Afforestation scheme		Dumardih	45 ha
Construction of Forest Guard Quarter	Koderma SF	Tetaryadih, Domchanch	1 unit
Linear Plantation	Chatra North	Maithan Gaya Transmission Line Construction of	17.827 km
Silvicultural Operation	Ranchi	Itavani	50 ha
Checkdam		Nagri P.F	1 unit
Silvicultural Operation		Nagri P.F	20 ha
Silvicultural Operation	Gumla	Tusgaon P.F	60 ha
Wild Life Management, habitat Improvement	Ranchi	Urgutu P.F	31 ha
Checkdam	Ranchi SF	Setahuru	1 unit
Checkdam		Setahuru	1 unit
Checkdam		Permanent Nursery	1 ha
Checkdam		Permanent Nursery	1 ha
Checkdam	Jamshedpur	Khokhra PF	1 unit
Checkdam		Bonta PF	1 unit
Guardwall Construction		Chimti PF	200 km
Silvicultural Operation		Ango	50 ha
Natural regeneration & Soil Conservation Scheme		Pandu	77 ha
		Bundu	92 ha

Scheme	Name of Forest Division	Inspection Site	Unit/Area (ha)	
1	2	3	4	
Compensatory Afforestation	Jamshedpur	Gosaibeliya	12.48 ha	
		Talsavar	28.30 ha	
Construction of Forest Guard Quarter		Barkagaon	1 unit	
		Plandu	1 unit	
		Kodve	1 unit	
Check Dam		Chandol	1 unit	
		Patrakla	1 unit	
		Jorakath	1 unit	
Compensatory Afforestation		Chatra South	Pokla -1	25.50 ha
			Pokla -2	25.50 ha
	Kadamdiri		72 ha	
	Dhangada		50 ha	
	Daridag		49.36 ha	
	Karo		46.45 ha	
	Silvicultural Operation		Gonda	50 ha
Raham		50 ha		
Year 2019-20				
Maintenance of Forest Roads	PTR, South	Betta Park Road No. 1-5,	264 km	
Construction of Causeway/Culvert		Chamrhi Nala, Morvai, West Chipadohar	8 unit	
Weed eradication work		Kusum Dhalaan,	500 ha	
Checkdam	Koderma SF	Tetariyadih P.F	1 unit	
Checkdam		Badki Karaunjiya P.F	1 unit	
Compensatory Afforestation	Hazaribagh West	Devchanda	65 ha	
Checkdam		Pabai	1 unit	
Checkdam	Simdega	Ramjari (Bano-49)	1 unit	
Bambo gabion plantation		Odaga to Dumarmunda	5 km	
Bambo gabion plantation		Dumarmunda to Girda	5 km	
Bambo gabion plantation		Girda to Hurda	5 km	
Bambo gabion plantation		Hurda to Ghat Bazar	5 km	
Silviculture Operation		Kevangutu	30 ha	
Silvicultural Operation	Khunti	Garke (karra-114)	48 ha	
Silvicultural Operation		Katamkuku (Karra-158)	2 ha	
Hi-Tech and Permanent Nursery	Palamu Region	Mangra P.F	1 ha	
		Mirchaiya P.F	1 ha	
		Sevati P.F	1 ha	
		Selari P.F	1 ha	
		Uldanda P.F	1 ha	
		Chaplsi P.F	1 ha	
		Bariyatu P.F	1 ha	

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Scheme 1	Name of Forest Division 2	Inspection Site 3	Unit/Area (ha) 4
Silvicultural Operation	Koderma	Chilsodih	60 ha
Linear Plantation		Koderma-Giridih Plantation along the railway line	5 km
Silvicultural Operation (Conditional Compliance)		Araiya	30 ha
Silvicultural Operation (NPV)		Parasbad	40 ha
		Dhaab	40 ha
		Laxmipur	25 ha
Checkdam	Chatra North	Naitarr	25 ha
Construction of Forest Guard Quarter		Nawdiha	1 unit
Checkdam		Kunda	1 unit
Checkdam	Ranchi SF	Kanti	1 unit
Checkdam		Darla	1 unit
Silvicultural Operation	Latehar	Bariyatu PF	40 ha
Guardwall Construction	Jamshedpur	Khokhra PF	88 mtr
Checkdam		Bandhdih PF	1 unit
Silvicultural Operation		Bonta PF	50 ha
Checkdam		Dhobni PF	1 unit
Construction of Hazzat		Jamshedpur	Musabani
Construction of Hazzat	Chakuliya		50 ha
Construction of Hazzat	Ghatsila		1No
Construction of Barrack	Saranda	Sasangda	50 ha
Construction of Barrack		Karambadh	1No
Construction of Barrack		Thalkobad	1No
Checkdam		Hatgamhariya	1 unit
Construction of Forest Guard Quarter	Kolhan	Kumardungi	1 unit
Silvicultural operation		Delgapada PF	50 ha
Silvicultural operation	Saraikela	Mogodih PF	50 ha
Checkdam		Kasidih PF	1 unit
Construction of Forest Guard Quarter		Sinni	1 unit
Compensatory Afforestation		Sahebgunj PF	5.96 ha
Year 2020-21			
Checkdam	Jamshedpur	Beladiah PF	1 unit
Forest Road		Koyra RF & Chimti PF	18 km
Construction of Guardwall		Koyra RF	300 meter
Miscellaneous Reports			
Soil Conservation & Afforestation scheme	Latehar SF	Dih	40 ha
Soil Conservation & Afforestation scheme		Latehar Range Campus	01 ha
Soil Conservation & Afforestation scheme		Bari	50 ha
Soil Conservation & Afforestation scheme		Jadiyog	50 ha
RDF		Polpol	30 ha
RDF		Pokhraha	50 ha
Construction of Forest Guard Quarter		Daltonganj, Chainpur Range Campus	1 unit
Checkdam		Tilaiya Garha (Tetabar)	1 unit
Compensatory Afforestation		Rud	50 ha
Compensatory Afforestation		Salaiya	50 ha

Scheme	Name of Forest Division	Inspection Site	Unit/Area (ha)
1	2	3	4
Compensatory Afforestation	Latehar SF	Nawada	50 ha
Construction of Forest Guard Quarter		Balumath Range Campus	01 ha
Checkdam		Karla Garha	01 ha
RDF		Guruvey	50 ha
Hi-Tech Nursery	Koderma SF	Tetaryadih, Domchanch	02 ha
Soil Conservation & Afforestation scheme		Sardhawataar P.F	30 ha
Silvicultural Operation		Saharjam P.F	40 ha
Construction of Forest Guard Quarter	Gumla	Basiya Forest Complex	1 ha
Checkdam		Okaba P.F	1 unit
Checkdam	Ranchi	Devaki P.F Nala	1 unit
Soil Conservation & Afforestation		Piparbanda/ Bargaibanda P.F	29 ha
Checkdam		Gagari P.F	1 unit
Construction of 4 Forest Guard Quarter		Ormanjhi Forest Complex	1 ha
Checkdam		Forest Lotwa P.F	1 unit
Checkdam		Khokhra PF	1 unit
Checkdam		Khokhra PF	1 unit
Checkdam	Koyra PF	1 unit	
Checkdam	Khokhra PF	1 unit	
Checkdam	Khokhra PF	1 unit	
Checkdam	Khokhra PF	1 unit	
Checkdam	Bonta PF	1 unit	
Checkdam	Beladih PF	1 unit	
Checkdam	Dhobni PF	1 unit	
Checkdam	Hazaribagh West	Nawadih/Parvi	58 ha
Compensatory Afforestation		Jagedih	100 ha
		Tazpur	100 ha
		Virinda/Domapahari	116.16 ha
		chepi	5 ha
		Amnari	30 ha
		Amjhar	50 ha
		Gadokhar	30 ha
		Lodhi	50 ha
		Masratu	29 ha
		Pasai	20 ha
		Kusambha	50 ha
		Hathgarha	50 ha
		Murlikatiya	50 ha
		Gangtiyahi	50 ha
		Bariyath	100 ha
		Sikri	53.02 ha
		Jugra	50 ha
		Talsavar	100 ha
		Sikri	117.28 ha
	Bonga	30 ha	
	Bangaowa	58.22 ha	

Summary of Third Party Evaluation report

Site wise progress status

Region	Circle	Division	Range	Site	Area (in ha.) /Nos.	Total Sample Plots/Structu res (in ha/km/no.)	Year	Type of work	
1	2	3	4	5	6	7	8	9	
Ranchi	Ranchi	Ranchi	Mandar	Baske	25	10	2016-17	Block Plantation	
			Mandar	Chamranga	156	23	2017-18	Block Plantation	
			Mandar	Katandiri	60	6	2017-18	Block Plantation	
			Mahilong	Nawagarh	58	9	2017-18	Block Plantation	
			Mahilong	Losera	40	16	2017-18	Block Plantation	
Bokaro	Bokaro	Ramgarh	Gola	Govindpur	20	6	2017-18	Block Plantation	
			Ramgarh	Chamron	12	4	2017-18	Block Plantation	
			Ramgarh	Bhuchungdih	20	5	2018-19	Block Plantation	
			Ramgarh	Kander		1	2018-19	Check dam	
			Patratu	Armadag	50	15	2017-18	Block Plantation	
			Patratu	Palani		1	2018-19	Check dam	
			Patratu	Joda talab Pochra East side	700	229	2016-17	Linear Plantation (Gabion)	
			Patratu	Joda talab pochra West side to Ghutua pool	2050	670	2016-17	Linear Plantation (Gabion)	
			Patratu	Balkudra over bridge to JSPL Gate	2000	654	2016-17	Linear Plantation (Gabion)	
			Patratu	Uchringa check post to Uchringa Katwa Kocho	1250	409	2016-17	Linear Plantation (Gabion)	
			Patratu	Talatand Betimore to Talatand pool	2000	654	2016-17	Linear Plantation (Gabion)	
			Mandu	Fusari	15	5	2017-18	Block Plantation	
			Mandu	Padrangi	80	24	2017-18	Block Plantation	
			Mandu	Govindpur		1	2018-19	Check dam	
			Kuju	Tongi	45	13	2017-18	Block Plantation	
			Dhanbad	Dhanbad	Dumka-Sahibganj Road	2.56	0.256 km	2016-17	Linear Plantation
				Dhanbad	Angolkata	9.98	4	2017-18	Block Plantation
		Tondi		Purni satuatand, Paharpur	20	5	2016-17	Block Plantation	
		Tondi		Banskhajodi	15	3	2016-17	Block Plantation	
		Tondi		Dumka-Sahibganj Road	12	1.2 km	2016-17	Linear Plantation	
		Tondi		Bhagudih	2.9	1	2017-18	Block Plantation	
		Tondi		Tondi Pahar	50	11	2017-18	RDF	
		Tondi		Thethatand	25	7	2018-19	Block Plantation	
		Tondi		Rajnagar	50	10	2018-19	Silviculture	
		Tondi		Dalugodah	1	1	2018-19	Check dam	
		Tondi		Tondi Forest Guard Quarter	1	1	2018-19	Forest Guard Quarter	
		Topchanchi		Chitarpur	40	8	2016-17	Block Plantation	
		Topchanchi		Tetuliya, Mahuda	19.13	4	2017-18	RDF	
		Topchanchi		Gendanwadi, Chalmundari	25	10	2017-18	Block Plantation	
		Topchanchi		Sadhubaad/Chutiara	8.25	3	2018-19	Block Plantation	
		Topchanchi	Khanudih	1	1	2018-19	Check dam		
		Bokaro	Chas	Rahargora	30	3	2016-17	Block Plantation	
Chas	Kumhari		50	5	2017-18	Block Plantation			

Region	Circle	Division	Range	Site	Area (in ha.) /Nos.	Total Sample Plots/Structu res (in ha/km/no.)	Year	Type of work
1	2	3	4	5	6	7	8	9
			Chas	Chargoi	13	4	2017-18	Block Plantation
			Chas	Mohanpur + Shakhakuri	50	8	2018-19	Block Plantation
			Chas	Chas PN				Permanent Nursery
			Bokaro	Chepro	30	5	2018-19	Block Plantation
			Bokaro	Gunjardih	50	5	2017-18	Block Plantation
			Bokaro	Gormari	50	12	2016-17	Block Plantation
			Bokaro	Bari	50	12	2016-17	Block Plantation
			Bokaro	Bhavani	50	7	2017-18	RDF
			Bokaro	Kharpito PN				Permanent Nursery
			Bokaro	Narra				Check dam
			Petarwar	Chipudi and Jhirki	40	8	2017-18	Block Plantation
			Petarwar	Durgapur	50	8	2018-19	Block Plantation
			Petarwar	Raghubyar & Khurd Chando	30	4	2017-18	RDF
			Petarwar	Bhulanketko	30	3	2016-17	Block Plantation
			Petarwar	Tarbalidig PN				Permanent Nursery
Hazaribag	Hazaribag	Hazaribag (W)	Hazaribag Aff.	Katkamsandi	50	15	2016-17	Block Plantation
			Hazaribag Aff.	Katkamsandi	4.00 km	0.40 km		Linear Plantation
			Hazaribag	Pabra	33	10	2016-17	Block Plantation
			Hazaribag	Lodhi	50	10	2017-18	Block plantation
			Hazaribag Aff.	Kedarut	75	10	2017-18	Block Plantation
			Hazaribag	Parheria	30	8	2018-19	Block Plantation
			Hazaribag Aff.	Nachanwe		1	2018-19	Check dam
			Barhi Aff.	Aradiri	45	14	2016-17	Block Plantation
			Barhi Aff.	Gangpacho	50	15	2016-17	Block Plantation
			Barhi Aff.	Dapok	50	20	2016-17	Block Plantation
			Hazaribag	Kushumbha	50	8	2017-18	Block Plantation
			Hazaribag	Masratu	29.22	4	2017-18	Block Plantation
			Hazaribag	Pasai	20	4	2017-18	Block Plantation
			Hazaribag Aff.	Saraiya	25	3	2017-18	Block Plantation
			Barhi Aff.	Gangtiyahi	50	10	2017-18	Block Plantation
			Barhi Aff.	Bariyatha	100	12	2017-18	Block Plantation
			Barkagaon	Bengwari	50	15	2016-17	Block Plantation
			Barkagaon	Pagar	35.24	11	2016-17	Block Plantation
			Barkagaon	Talashwar	100	19	2017-18	Block Plantation
			Barkagaon	Jugra	50	10	2017-18	Block Plantation
			Barkagaon	Pakribarwadih	50	5	2018-19	Silviculture
			Barkagaon	Suiwadaha		1	2018-19	Check dam
			Barkagaon	Mahudi (PCA)	73	7	2016-17	Block Plantation
			Hazaribag	Padma	50	5	2017-18	Silviculture
			Hazaribag	Harhad	50	5	2018-19	Silviculture

1. Analysis

The present analysis is based on data collected from three Forest Regions of Jharkhand (Bokaro, Hazaribag and Ranchi) during the ongoing field survey under the third party evaluation of CAMPA activities. Since the data collection phase is still underway, this report is restricted to 5 sites where data collection and analysis has been completed. The aim of the report is to provide an overview of the different activities undertaken as a part of this evaluation and the preliminary findings thereof.

1.1. Plantation sites

3.1.1. Block plantation

i. Site Details

Five block plantation sites from Bokaro, Hazaribag and Ranchi Forest Regions are included in the analysis. Site wise details are as follows:

Site name	Forest Region	Forest Division	Year of plantation	Area	Planted
Losera	Ranchi	Ranchi	2016	40	40000
Dapok	Hazaribag	Hazaribag (W)	2017	50	83300
Barai	Bokaro	Bokaro	2016	50	83300
Sadobad-Chutiyaro	Bokaro	Dhanbad	2018	25	41851
Chamrom	Bokaro	Ramgarh	2016	12	20039

ii. Key Findings from selected sites

Primary species	<ul style="list-style-type: none"> Bokaro Region- Sagwan, Chakundi & Shisham; other species found are Gamhar, Acacia, Karanch, Laxmi Taru 			
	<ul style="list-style-type: none"> Ranchi Region- Sagwan; other species found are Chakundi, Sidha, Karanch, Amaltas, Churchu, Amaltas 			
	<ul style="list-style-type: none"> Hazaribag Region- Acacia; other species found are Sagwan Chakundi, Shisam 			
Growth of plants	Site name	Forest Region	Avg. height (inch)	Avg. collar girth (inch)
The average height and collar girth of plants in selected sites was observed to be good.	Losera	Ranchi	160.02	11.06
	Dapok	Hazaribag	194.59	14.9
	Barai	Bokaro	173.97	9.28
	Sadobad-Chutiyaro	Bokaro	154.07	9.61
	Chamrom	Bokaro	129.65	7.82
Natural to Planted percentage Good balance of natural and planted plants in selected sites	Site name	Forest Region	Planted %	
	Losera	Ranchi	80.94	
	Dapok	Hazaribag	99.07	
	Barai	Bokaro	88.42	
	Sadobad-Chutiyaro	Bokaro	97.58	
	Chamrom	Bokaro	100	
Survival Rate	Site name	Forest Region	Avg. survival rate (%)	
Survival rate between 'moderate' to 'good' in selected sites	Losera	Ranchi	75	
	Dapok	Hazaribag	66.29	
	Barai	Bokaro	69.37	
	Sadobad-Chutiyaro	Bokaro	72.28	
	Chamrom	Bokaro	65.57	

Table below provides plot-wise details on different parameters (total plants, average height and growth, survival rate) for the five sites

Region-wise details of sites included in the analysis

Plot No.	Total plants	Natural	Planted	Avg. Height (Inch)	Avg. Collar girth (Inch)	Major Species (Local name)	Latitude	Longitude
0	114	21	93	252.68	13.35	Sagwan, Chakundi	23° 24' 20.8038"	85° 49' 40.9722"
1	116	20	96	116.08	8.59	Sagwan, Chakundi	23° 24' 34.6386"	85° 49' 42.981"
2	110	31	79	198.53	16.38	Sidha, Karanch	23° 24' 27.6474"	85° 49' 24.4554"
3	55	0	55	161.64	13.46	Sagwan	23° 24' 24.9222"	85° 49' 48.8706"
4	78	25	53	42.06	3.17	Sagwan, Karanch	23° 24' 27.2874"	85° 49' 29.7222"
5	97	0	97	227.05	16.38	Amaltas, Churchu	23° 24' 28.2996"	85° 49' 20.8086"
6	161	62	99	78	4.65	Sagwan, Karanch	23° 24' 27.2262"	82° 51' 0.1794"
7	75	11	64	262.91	15.78	Sagwan, Churchu	23° 24' 26.5746"	85° 49' 33.3984"
8	90	15	75	178.34	12.33	Sagwan	23° 24' 26.1468"	85° 49' 33.351"
9	73	25	48	105.92	7.69	Sagwan, Chakundi	23° 24' 25.869"	85° 49' 31.908"
10	58	19	39	76.85	4.49	Sagwan, Sidha	23° 24' 25.7178"	85° 49' 31.8828"
11	84	0	84	172.23	11.39	Amaltas, Sidha	23° 24' 30.456"	85° 49' 22.08"
12	93	22	71	75.67	4.81	Sagwan, Chakundi	23° 24' 28.152"	85° 49' 31.98"
13	88	6	82	260.73	22.37	Sidha, Churchu	23° 24' 30.2754"	85° 49' 25.8954"
14	98	8	90	191.64	11.09	Sagwan, Chakundi	23° 24' 24.5664"	85° 49' 41.736"
Forest Region: Hazaribag						Site: Dapok		
Plot No.	Total plants	Natural	Planted	Avg. Height (inch)	Avg. Collar girth (inch)	Major Species (Local name)	Latitude	Longitude
0	108	0	108	102.31	8.51	Sagwan, Acacia	24° 15' 27.324"	85° 35' 22.524"
1	139	0	139	164.78	16.06	Acacia, Sagwan	24° 15' 34.416"	85° 35' 30.48"
2	67	1	66	205	14.33	Acacia, Sagwan	24° 15' 29.952"	85° 35' 15.108"
3	90	2	88	208.41	20.29	Acacia, Chakundi	24° 15' 16.2"	85° 35' 38.832"
4	102	3	99	227.04	14.19	Acacia, Sagwan	24° 15' 31.068"	85° 35' 22.0194"
5	146	0	146	186.54	12.28	Acacia	24° 15' 30.1314"	85° 35' 41.712"
6	119	0	119	201.3	13.32	Acacia, Sagwan	24° 15' 31.716"	85° 35' 41.424"
7	93	0	93	205.04	13.75	Acacia, Shisam	24° 15' 23.832"	85° 35' 37.68"
8	108	5	103	192.86	16.26	Acacia, Chakundi	24° 15' 30.96"	85° 35' 48.696"
9	106	0	106	185.61	12.25	Acacia, Sagwan	24° 15' 25.7034"	85° 35' 32.8194"
10	136	0	136	228.01	14.01	Acacia, Sagwan	24° 15' 16.848"	85° 35' 33.3954"
11	151	0	151	197.05	12.49	Acacia, Sagwan	24° 16' 11.6394"	85° 35' 37.6434"
12	87	1	86	187.33	11.95	Acacia, Sagwan	24° 15' 20.844"	85° 35' 23.7474"
13	70	1	69	178.91	15.97	Acacia, Chakundi	24° 15' 15.5874"	85° 35' 38.6154"
14	107	2	105	196.71	17.03	Acacia, Sagwan	24° 15' 16.128"	85° 35' 45.2034"
15	76	0	76	181.12	18.84	Acacia	24° 15' 27.7554"	85° 35' 50.9634"
16	123	4	119	219.71	14.52	Acacia, Sagwan	24° 15' 36.9354"	85° 35' 38.3994"
17	123	0	123	231.22	19.37	Acacia, Sagwan	24° 15' 32.4714"	85° 35' 33.864"
18	88	0	88	206.35	13.34	Acacia, Sagwan	24° 15' 29.052"	85° 35' 38.004"
19	121	0	121	186.4	19.32	Acacia, Sagwan	24° 15' 33.8754"	85° 35' 30.8754"
Forest Region: Bokaro						Site: Sadobad-Chutiyaro		
Plot No.	Total plants	Natural	Planted	Avg. Height (inch)	Avg. Collar girth (inch)	Major Species (Local name)	Latitude	Longitude
0	160	3	157	68.23	4.05	Sagwan, Chakundi, Karanch	23°53' 15.864"N	86°21'51.012"E
1	144	2	142	148.46	10.65	Sagwan, Chakundi, Shisam	23°52' 44.112"N	86°22'6.384"E
2	68	4	64	245.51	14.12	Sagwan, Chakundi, Laxmi taru	23°53' 32.46"N	86°21'49.824"

Forest Region: Bokaro						Site: Chamron		
Plot No.	Total plants	Natural	Planted	Avg. Height (inch)	Avg. Collar girth (inch)	Major Species (Local name)	Latitude	Longitude
0	85	0	85	109.38	6.21	Chakundi, Gamhar, Shisam	23°32' 36.348"N	85°37'39.9"E
1	101	0	101	41.39	3.52	Sagwan, Shisam	23°32' 40.164"N	85°37'41.196"E
2	144	1	143	264.06	15.67	Acacia	23°32' 48.336"N	85°37'40.08"E
3	109	0	109	103.76	5.86	Chakundi	23°32' 38.688"N	85°37'45.624"E
Forest Region: Bokaro						Site: Barai		
Plot No.	Total plants	Natural	Planted	Avg. Height (inch)	Avg. Collar girth (inch)	Major Species (Local name)	Latitude	Longitude
0	104	32	72	137.11	8.06	Sagwan	23°51' 5.868"N	85°58'56.208"E
1	115	6	109	81.43	5.18	Sagwan	23°51' 10.728"N	85°58'44.148"E
2	141	19	122	355.45	14.39	Sagwan	23°50' 54.744"N	85°58'47.388"E
3	139	16	123	136.8	9.35	Sagwan	23°50' 59.064"N	85°58'47.64"E
4	163	15	148	162.67	8.37	Sagwan	23°50' 59.172"N	85°58'33.42"E
5	134	14	120	174.81	9.82	Sagwan	23°50' 57.264"N	85°58'29.676"E
6	119	4	115	169.53	9.8	Sagwan	23°50' 52.908"N	85°58'29.568"E

ii. Key findings from selected sites

Primary species	Site name	Forest Region	Primary species	
Gulmohar	Talatad	Ranchi	Mahugani, Chatni, Kadam	
	Uchringa	Hazaribag	Kadam, Sagwan	
Other species Mahugani, Chatni, Kadam, Sagwan, Sidha, Shisam, Gamahar Amaltas	Balkudra overbridge to JSPL gate	Bokaro	Sidha, Gulmohar, Shisam	
	Joda talab Pochra East side	Bokaro	Mahugani, Gulmohar	
	Joda talab Pochra West side	Bokaro	Gamahar, Gulmohar, Amaltas	
Growth of Plants	Site name	Forest Region	Avg. height (inch)	Avg. collar girth (inch)
The average height and collar girth of the plants in the sample sites are 248.5 inch and 16.58 inch respectively	Talatad	Ranchi	292.86	14.14
	Uchringa	Hazaribag	268.4	15.32
	Balkudra overbridge to JSPL gate	Bokaro	237.76	17.14
	Joda talab Pochra East side	Bokaro	247.92	21.28
	Joda talab Pochra West side	Bokaro	195.56	15
Grazing	The selected sites had 'minor' to 'no evidence' of grazing' and 'no evidence' of fire incidence.			
Fire incidence	The selected sites had 'no evidence' of fire incidence.			

3.1.3 Assisted Natural Regeneration (ANR)

i. Site details

The analysis includes two ANR sites namely Padma and Pakribarwadih from Hazaribag Region. Sites details are below:

Site name	Forest Region	Forest Division	Year	Area (ha.)
Padma	Hazaribag	Hazaribag (W)	2018	50
Pakribarwadih	Hazaribag	Hazaribag (W)	2019	50

ii. Key findings from selected sites

Grazing	Except for a few plots, no major evidence of grazing was found in the sample sites
Density	The density of the sample sites ranged between 'Medium' to 'Perfect'.
Coppice	70% of the sample plots had Coppice between '2 to 4 shoots'
Incidence of fire	No incidence of fire was recorded in the sample sites

1.2 Non-plantation sites

3.2.1. Permanent Nursery

i. Site details

A total of three permanent nurseries from the three Forest Regions are evaluated till now. Site wise details are below:

Site name	Forest Region	Forest Division	Latitude	Longitude
Chas	Bokaro	Bokaro	23°36'441"	86°10'243"
Kharpito	Bokaro	Bokaro	23° 52' 23.556"	86° 1' 47.8194"
Tarbalidig	Bokaro	Bokaro	23°32'00.85"	85°56'10.23"

ii. Key findings from selected sites

Common species grown in the nurseries	Local name	Botanical name
	Karanj	Millettia pinnata
	Mahogany	Swietenia
	Jamun	Syzygium cumini
	Amaltas	Cassia fistula
	Neem	Azadirachta indica
	Amrud	Psidium guajava
	Kachnar	Bauhinia variegata
	Kadam	Neolamarckia cadamba
Water supply	The nurseries have access to consistent water supply, mostly supplied from a deep boring and wells located within the premises.	
Amenities for workers	The workers are provided with basic amenities of drinking water and first aid kit.	
Material used for nursery growing	Farmyard and manure and soil are primarily used to prepare the media in the nurseries. A combination of D.A.P and vermicompost fertilizers are used.	
Equipments & protective wear	The nurseries have the necessary tools and equipments such as spade, basket, shovel, gloves etc.	
Reproductive material	Type: Nurseries use both seedling nursery and cutting based (clonal)	
	Source of seed: Seeds are obtained both locally as well as procured from seed supply dealers.	
Planting material quality	Size: The size of the planting material produced were of an average height of 30 cm.	
	Disease: The planting material were disease free	
	Health: The planting material were visibly green, indicating good health.	

3.2.2. Soil Moisture Conservation (Check dams)

i. Site details

Three check dams from the three Regions are included in the analysis. Site wise details are as follows:

Site name	Forest Region	Forest Division	Year	Latitude	Longitude	Length (inch)	Breadth (inch)	Height (inch)
Dalugora	Bokaro	Dhanbad	2018	24° 0' 52.956"	86° 21' 33.0834"	215	30	60
Suiwadaha	Hazaribag	Hazaribag (W)	2018	23° 52' 6.204"	85° 8' 12.3"	1440	264	125
Palani	Bokaro	Ramgarh	2018	23° 36' 45.972"	85° 15' 4.4994"	336	36	67

ii. Key Findings from selected sites

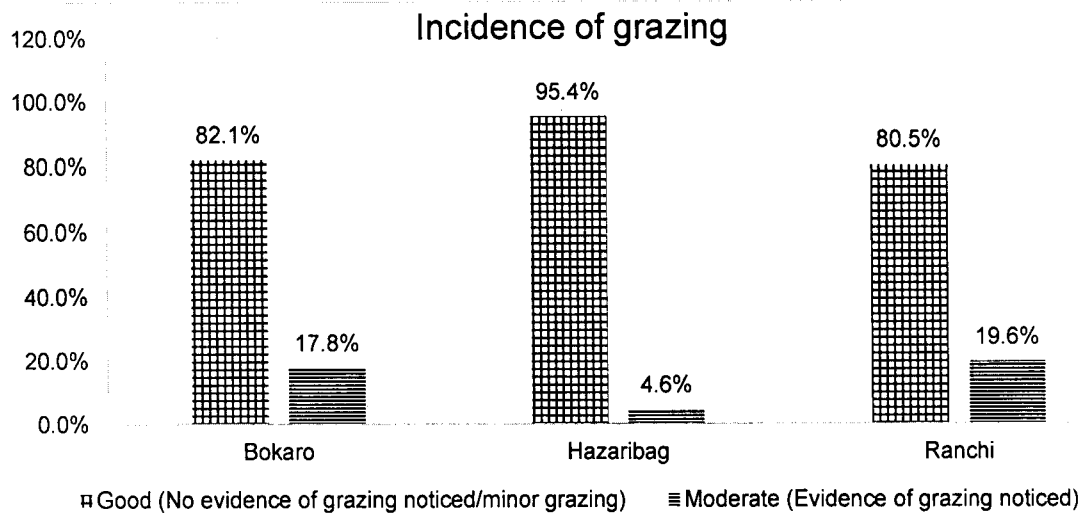
Site	Effect on controlling soil erosion	Relevance of structure	Structural Stability	Terrain	Suitability of location
Dalugora	Perfect- no erosion	Perfect	Stable	Gentle slope	Appropriate
Suiwadaha	Perfect- no erosion	Perfect	Needs minor repairs	Gentle slope	Appropriate
Palani	Moderate- Minor erosion	Moderate	Stable	Steep slope	Moderate

2. Observations from the regions

The following section represents a few general findings from all sites surveyed in the three Regions:

Incidence of grazing

Grazing was found to be low all the three regions (illustrated in Graph 3). However, evidence of cutting was observed in few of the sites visited in the three regions.

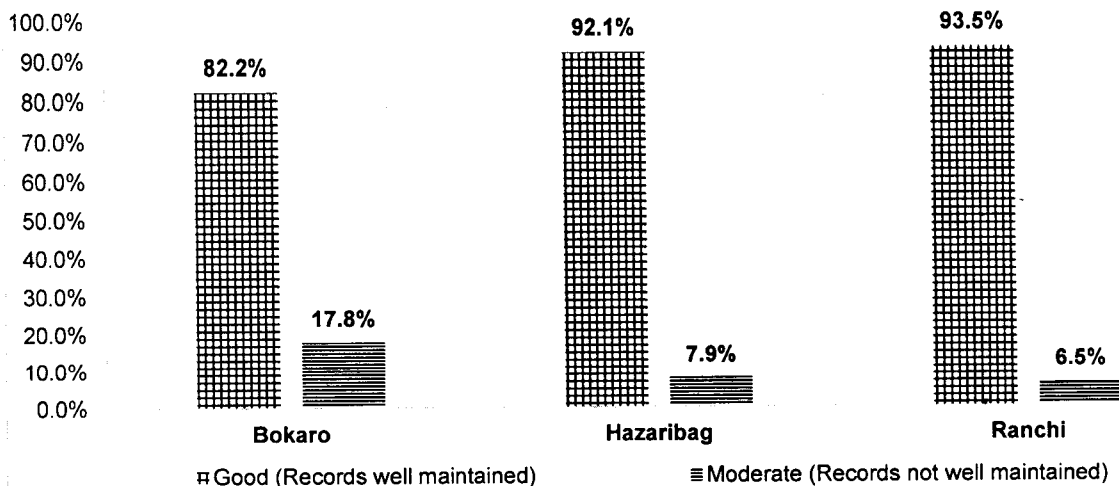


Incidence of grazing

Maintenance of records

The documents and records of sites in all three regions were observed to be well maintained and regularly updated. In Bokaro, well maintained records are available for 82.2% of the sites, for Hazaribag it is 92.1% and for Ranchi it is 93.5% (illustrated in Graph 4). However, some of the documents were incomplete at the time of field survey, where the Divisional Forest Officers have been requested to share completed documents in due time.

Maintenance of records (Plantation Journal, Plantation Map, Display Board)



Note on CAMPA Third Party Evaluation

1. Rationale for CAMPA third party evaluation

Forests are an important repository of terrestrial biodiversity and are responsible for the provision of important ecosystem services for human well-being, such as wood and non-wood forest products, water regulation, carbon sequestration, soil protection or recreation. In India, forests have been an integral part of the socio-economic and cultural life of its people. One in five people in India depend directly on forests for subsistence and livelihoods. Almost 50 percent of the food requirements of forest dwellers are provided by forests.

However, land-use change, including agricultural intensification and urbanisation, over-exploitation, pollution, climate change, and incoming species that compete with native flora and fauna, are causing great stress on forest ecosystems. More than 40 percent of India's forests are degraded, and this impacts the flow of forest goods and services that are critical for inclusive economic growth. Destroying forests has devastating consequences for tribal communities, poor people as they often rely directly on forest ecosystem goods and services. So, there is a need to improve the management of forests and other landscapes to strengthen their ecological health and, improve the livelihoods of forest-dependent population. Afforestation and several other forestry related works are important for restoring ecosystems and ecological processes, strengthening the watershed and hydrology, enriching wildlife habitats, sequestering carbon and supporting livelihoods.

Recognizing the need to balance economic development with environmental conservation to ensure sustainable use of natural resources, Government of India initiated several programmes to take up large scale plantations in all the states. Afforestation and several other forestry related works are being carried out by Jharkhand CAMPA under compensatory afforestation and other schemes through the assistance of Ministry of Environment, Forest & Climate Change, Government of India in 59 Forest Divisions distributed in all 24 Districts of Jharkhand.

These plantation projects are subject to several risks such as persistent droughts, ground fires, grazing by cattle, damage by wildlife, competition from invasive weeds, poor soil quality etc. There is a pressing need to evaluate these plantations on three aspects namely area coverage, survival percentage and growth parameters by using qualitative and quantitative approaches involving all the stakeholders.

2. Objectives of the evaluation

The main objective of the assignment is to evaluate the CAMPA works undertaken as per Annual Plan of Operations (APO) of 2016-17, 2017-18 and 2018-19.

Forestry works as per approved Compensatory Afforestation Projects and Forest, Wildlife and Biodiversity Conservation works funded under the Net Present Value Scheme (Non-Compensatory Afforestation Works) during 2016-17, 2017-18 and 2018-19 in the state of Jharkhand will be studied and evaluated. These works are spread over 59 Forest Divisions distributed in all 24 Districts of Jharkhand. This study will include:

- Evaluation of interventions implemented in accordance with approved Compensatory Afforestation Projects. These are project specific interventions and all projects implemented during the period of study will be evaluated.
- Evaluation of Non-Compensatory Afforestation works implemented for Protection and Conservation of

Forests and Wildlife Conservation which are funded under the 'Net Present Value' Scheme. Works approved in the Annual Work Plans will be studied.

3. Methodology

The approach adopted for evaluating the CAMPA works undertaken as per Annual Plan of Operations (APO) of 2016-17, 2017-18 and 2018-19 is based on five key pillars:



The work includes desk research, data collection through field inspections, conducting focused group discussions and stake holder consultations, analysis of data collected, analysis of impacts with reference to sustainable development goals and stated objectives of CAMPA.

Desk Research

After initial field visits, to understand the nature of terrain, vegetation and works, desk research was undertaken to review previous research findings to gain a broad understanding of the field. Focus is laid upon performance of plantations, effect of silvicultural interventions on natural regeneration and forest improvement, effect of soil and moisture conservation works, efforts for improving forest protection and biodiversity conservation, addressing anthropogenic pressure grazing pressure or illicit cutting) and forest fires, PA management, research activities and infrastructure development works.

Data Collection

The collection of all the required data/information from various sources was undertaken with the required official letters and contact with focal person(s) wherever required. This process has captured and stored internal and external data - both qualitative and quantitative data that are needed to make the final evaluation report.

Division wise achievements for the years under study was obtained from Jharkhand Forest Department using questionnaires. These also include relevant criteria and indicators for physical as well as impact study. Detailed work plan and deployment of human resources etc., was developed considering the Division wise distribution of work spots in consultation with the Jharkhand Forest Department. GPS Coordinates for all sample plots and all structures and stretches studied were recorded and are made available in the report. All relevant record and documents maintained were also be verified.

Data Analysis

Data analysis is done based on collected primary and secondary data. This process has helped to summarize the data and interpret their meaning in a way that provides clear answers to questions that initiated the study.

Stakeholder Consultation

Stakeholder consultations at various stages of the engagement are pivotal to ensure appreciation of each other's objectives and interests, consensus on decisions and stakeholders' buy-in to achieve the intended goals. These consultations are conducted through telephonic or in person in-depth interview format or a focus group discussion or workshop based on the availability of key representatives from government institutions, non-governmental organizations, academic institutions and the private for gathering valuable inputs to strengthen stocktaking reports. A collaborative approach leading to the development of

a long-term relationship with the contracting authority and the project beneficiary will determine the success of the project.

Analysis of impacts

Impacts of interventions are studied with reference to their contribution in sustainable management of forest resources, rejuvenation of degraded forests, addressing issues of biodiversity conservation, influence of biotic and abiotic factors. Based on the inputs obtained through desk research and stakeholder consultations, extensive analysis shall be undertaken to prepare the deliverables.

4. Budget

As per the payment schedule in the RFP, budgetary allocation for PwC India for conducting the third party evaluation is as follows:

Table 1: Budgetary allocation for PwC India

Deliverable	Payment Schedule	Amount (in Rs.)
Inception Report	15%	8,85,000.00
Quarterly Progress Report (1 st quarter)	5%	2,95,000.00
Biannual Progress Report (2 nd quarter)	5%	2,95,000.00
Quarterly Progress Report (3 rd quarter)	5%	2,95,000.00
Draft report	50%	29,50,000.00
Final report	20%	11,80,000.00
Total	100%	59,00,000.00

5. Progress till date

PwC India started data collection for third-party evaluation of CAMPA, Jharkhand on 30th January 2021. However, field visits were deferred between 22nd April- 13th July 2021 due to COVID-19 lockdown imposed at State level and restrictions on inter district travel.

Field visits have recommenced from 14th July 2021 and it is currently underway in Palamu and Dumka Regions. As of 19th July 2021, data collection is complete in a total of 13 forest divisions and 50 forest ranges.

Tables 1 & 2 summarize the progress made till date and work plan for next two months.

Table 1: Details of progress achieved (till 19th July 2021)

Particulars	Achievement in numbers
Total Divisions covered till date	13
Total Ranges covered till date	50
Total Sites (plantation & non plantation) completed till date	160
• Block Plantation	112
• RDF/Silviculture	22
• Soil Conservation & Moisture Structure	15
• Linear plantation	6
• Permanent Nursery	5

Table 2: Division wise status of field survey

Progress of field Survey	Division	Region
Completed work	Bokaro	Bokaro
	Dhanbad	Bokaro
	Ramgarh	Bokaro
	Giridih (West)	Bokaro
	Giridih (East)	Bokaro
	Chatra (North)	Hazaribag
	Chatra (South)	Hazaribag
	Hazaribag (East)	Hazaribag
	Hazaribag (West)	Hazaribag
	Koderma	Hazaribag
	Ranchi	Ranchi
	Garwah (North)	Palamu
	Garwah (South)	Palamu
	Ongoing (July 2021)	Dumka
Jamtara		Dumka
Godda		Dumka
Latehar		Palamu
Medinagar		Palamu
Planned work (Aug-Sept 2021)		Pakur
	Sahibganj	Dumka
	Deoghar	Dumka
	Jamshedpur	Jamshedpur
	Saraikela	Jamshedpur
	Chaibasa	Jamshedpur
	Kolhan	Jamshedpur
	Porahat	Jamshedpur
	Saranda	Jamshedpur
	Khunti	Ranchi
	Gumla	Ranchi
	Lohardaga	Ranchi
	Simdega	Ranchi

F.No. 4-51/2019-NA
Ministry of Environment Forest and Climate Change
(National CAMPA)

Indira Paryavaran Bhawan
Aliganj, Jorbagh Road,
New Delhi- 110003
Date : 15th October 2019

Notification

Under the provision of sub-clause (3) of clause 9 of the Compensatory Afforestation Fund Act, 2016, the Central Government hereby appoints the following experts in the 'Monitoring Group' of National Authority for the period of two years with immediate effect.

- 1) Shri Arun Kumar Bansal, Retired IFS;
2) Shri A.K. Srivastava, Retired IFS,;
3) Dr. Ajay Singh Rajawat, Scientist Eng./G Group Director
Space Application Centre (SAC), ISRO, Ahmadabad (Gujarat)

2. The terms of appointments of experts shall be in accordance with CAF Act, 2016 and CAF Rules, 2018.

This is issued with the approval of the competent authority.

(Brijendra Swaroop)
Dy. Chief Executive Officer
National CAMPA

- To
1. Shri Arun Kumar Bansal, Retired IFS
304, New Green Wood, CGHS, GH-06
Sector-52, Gurugram (Haryana)
2. Shri A.K. Srivastava, Retired IFS,
B4/107, 1st Floor, Safadarjung Enclave,
New Delhi
3. Dr. Ajay Singh Rajawat,
Scientist/Eng. G & Group Director
Space Application Centre, ISRO, P.O. Jodhpur Tekra
Ahmadabad (Gujarat)

बृजेन्द्र स्वरोप/BRUENDRA SWAROOP
उप मुख्य कार्यकारी
Dy. Chief Executive Officer
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
M/o Environment, Forest and Climate Change
भारत सरकार, नई दिल्ली
Govt. of India, New Delhi

Copy to:

- 1 PS to Hon'ble Minister for Environment, Forest and Climate Change,
Government of India, New Delhi

Division wise Status of Polygon uploaded on e-Greenwatch & Remarks given by FSI

Region	Sl. No.	Division	March, 2023
			Total Polygon Uploaded
1	2	3	4
Bokaro	1	Bokaro	301
	2	Dhanbad	193
	3	Ramgarh	181
	4	Giridih (E)	144
	5	Giridih (W)	194
		Total	1013
Dumka	6	Dumka	656
	7	Godda	187
	8	Sahibganj	134
	9	Pakur	182
	10	Deoghar	74
		Total	1386
Hazaribag	12	Hazaribag (E)	264
	13	Hazaribag(W)	181
	14	Koderma	387
	15	Chatra (N)	398
	16	Chatra (S)	165
		Total	1395
Palamau	17	Medininagar	84
	18	Latehar	144
	19	Garhwa (N)	79
	20	Garhwa (S)	218
		Total	525
Ranchi	21	Ranchi	261
	22	Khunti	171
	23	Gumla	264
	24	Lohardaga	208
	25	Simdega	259
		Total	1163
Jamshedpur	26	Jamshedpur	342
	27	Saraikela	234
	28	Chaibasa	394
	29	Kolhan	336
	30	Porahat	170
		Total	407
PTR	32	PTR (North)	222
	33	PTR (South)	506
		Total	728
CCF Wildlife	34	H'bag Wildlife	394
	35	Ranchi Wildlife	112
	36	Ele. Proj. JSR	241
		Total	747
Dumka Extension Forestry	37	Deoghar SF	66
	38	Dumka SF	62
		Total	128
Hazaribag Extension Forestry	39	Hazaribag SF	71
	40	Koderma SF	92
	41	Latehar SF	58
	42	Garhwa SF	84
		Total	305
Ranchi Extension Forestry	43	Ranchi SF	54
	44	Simdega SF	94
	45	Adityapur SF	61
	46	Chaibasa SF	48
		Total	257
Research Wing	47	CF, State Silviculturist	4
	48	Pl. Res. & Eval, Ranchi	10
		Total	14
Grand Total			9544

Strategy and Action Plan for Conservation of Corridors (SAPCC) in Jharkhand State

Introduction

The need to protect wildlife corridors is increasingly gaining traction globally, as habitat fragmentation becomes one of the biggest challenges to biodiversity conservation. However, despite the immediate and growing threats of climate change and other anthropogenic pressures on natural habitats, a wildlife corridor has yet to be formalised as a legal tool for ecological conservation in India or, indeed, elsewhere in the world. The difficulty stems from the very nature of a corridor, which may be completely different in function and form depending upon the species that is used to typify it.

Habitat loss and fragmentation has been the single most prominent reason for the loss of biodiversity for the last hundred years (Laurance et al., 1998)ⁱ. Fragmentation leads to decrease in size of habitats and increases isolation between patches. This eventually leads to isolation of populations, which increases their extinction risk via stochastic events (Horskins, 2005ⁱⁱ; Radchuk et al., 2019ⁱⁱⁱ). Development activities like roads, railways, industries, oil exploration, mining, settlements, agriculture and plantations often cut through the natural habitats. This leads to loss of habitat connectivity and isolation for populations (Beier & Noss, 1998^{iv}; MacDonald, 2003^v), especially for long ranging species (Nandy et al., 2007^{vi}; Thatte et al., 2018^{vii}; Zeller et al., 2018^{viii}).

The wildlife corridors, wild animal dispersal areas, conservation landscapes and strategic planning for long term conservation of the conservation/wilderness landscapes, especially long ranging large carnivores like tigers and elephants - flagship species, are extremely important components to be delved upon. The benefits of corridors are listed below (Caro et al., 2009^{ix}; A. Joshi et al., 2013^x; MacDonald, 2003; Yumnam et al., 2014^{xi}):

Corridors/ connectivity's are extremely useful in a landscape on following counts-

1. Allow recolonization following extinction in patches.
2. Increase of immigration to habitat isolates.
3. Supplements local population growth.
4. Provide gene flow and increase genetic heterogeneity.
5. Assistance to movement and migration of wide-ranging individuals through disturbed landscape.
6. Species can range shift as a response to climate change and natural disaster (Long-term).
7. Enhance overall metapopulation survival.
8. Provision for habitat heterogeneity.
9. Facilitation of continuity of natural ecological processes in developed landscape.
10. Provision of ecosystem services such as water quality, pollination, etc.
11. Stability of hydrological cycles.
12. Decreases man-animal conflicts.

Tiger Dispersal Areas

Tigers are global icons, personifying wild, natural areas. They are also apex species that play a significant role in structuring the ecosystems they live in. Dispersal from natal areas is an important part of tiger life history. It influences tiger ecology, behavior, demographics, and genetics. Dispersal plays an important role in population recovery. Dispersal shapes tiger population dynamics and demographics. Dispersal also helps to maintain genetic variability. A recent genetic assessment of tigers in India has shown there has been a loss of genetic variability because of relatively recent habitat fragmentation and loss of connectivity (Mondol et al. 2013)^{xiii}. Studies have shown that removal of apex species like the tiger can lead to cascading negative impacts including degradation of ecosystem structure and function, which can also affect the natural capital and ecosystem services that are critical for survival of humans. Dispersal from one population to another is crucial for meta-population stability and survival. Long-distance dispersal events have been widely documented in male tigers (*Panthera tigris*), but similar events in female tigers are less known (Sarkar et al 2021)^{xiii}

Habitat for tigers and many carnivores is fragmented and degraded to an extent that the existing land base supporting discrete tiger populations is often inadequate to maintain viable populations (Simchareon et al 2022)^{xiv}. Intra-specific competition for territories in isolated reserves, combined with hard-edged reserve boundaries can create a human-tiger and tiger-tiger conflict situation, affecting population recovery. Tiger habitats in India are fragmented and highly mosaic, often interspersed with human-dominated landscapes. Therefore, the movement or dispersal of tigers is important to establish new territory and for survival. Most tiger dispersals recorded worldwide have been traversed by males in response to competition for mates or resources or both whereas females tend to stay in their area of birth. 'Stepping stones' are small good-quality patches of habitat that can provide temporary refuge for resting and foraging during dispersal, explains Sarkar. They can greatly improve the chances of successful long-distance dispersal events (Jain, 2021)^{xv}

The case with elephant is no different, since they also need corridors that allow elephants to move between secure habitats without being disturbed by humans. To secure a future for wild elephants it is essential that we ensure their uninterrupted movement between key habitats.

Conservation Landscapes

Conservation landscapes are defined as "a mosaic of habitat types managed at spatial scales necessary to capture and sustain viable ecological patterns and processes of conservation targets." In case of tigers, the landscape elements include large undisturbed/inviolate core areas that are able to support viable populations of breeding tigers and their prey populations. Buffer zones around the core areas are effective in ameliorating external threats and disturbances. Habitat corridors that connect the core areas, facilitate dispersal of sub-adults from natal areas to maintain metapopulation structure and genetic exchange (Wikarmamaya & Shreshta, 2014)^{xvi}.

The core components of a Tiger Conservation Landscape are:

1. The 'core refugia' usually the protected areas where tigers are established and serve as source populations. These have a recognized legal status. These areas are usually considered as inviolate areas and may be called as 'NO- GO areas'
2. Buffer areas which surround the protected areas and some of the corridors. Buffer zones create a soft edge and shield that prevents disturbance directly to core areas and conflict in the human use areas outside the protected areas. These buffer zones are legally designated and have a specific land-use policy. These mostly consists of managed forest areas/ territorial forest divisions.
3. Corridors are habitat linkages that connect core areas and facilitate tiger dispersal. These need not be completely forested, but may be a matrix of natural forests, sustainably used semi-natural lands (e.g., community forests, forest plantations, revenue forest lands with sizeable vegetation cover- e.g. Territorial Forest Divisions), or even some forms of agriculture that provide temporary suitable cover for dispersing tigers and are not regularly harvested (e.g., sugar cane fields or other cash crops fields)
4. Stepping-stone refugia are the patches of habitat whereby the dispersing tigers can take refuge while moving over long distances but are too small to support a breeding tiger population. These may be forest reserves isolated island type vegetated protected forest areas or other intact habitats. These are required to be included as key components of a tiger landscape and integrated into land use plans.
5. The Landscape matrix: These are all such lands outside the conservation areas mentioned above, but fall within the landscape boundary. These are generally human dominated, varying in intensity of land uses, from large settlements to rural village areas. (Wikarmamaya & Shreshta, 2014).

Strategic Planning is an important step in case of design, development and long-term conservation of corridors so that a future perspective may be planned in a systematic manner with a foresight into the future development vis a vis conservation, in a conservation landscape. It serves as a template and a management tool to plan long term wildlife conservation through effective and efficient conservation of corridors of different kinds and types. Strategic Planning is expected to serve as an important tool in planning 'Conservation Oriented Development' and developing alignments with other landscape level conservation initiatives (SPCC, 2021)^{xvii}

Landscapes and Corridors

Ecological connectivity provides the capacity for the movements of organisms, for gene flow, and for range shifts (Beier et.al. 2011^{xviii}; Keeley et.al. 2018^{xix}), and thereby is a key factor in the long-term viability of populations, particularly for animal species (Cushman et.al. 2009)^{xx}. In human-dominated landscapes, loss and altered configuration of habitats have substantially modified and decreased connectivity (Rudnick et.al.,2012)^{xxi}, and the resulting isolation limits the ability of populations to respond adequately to perturbations. Measures to address declines in ecological connectivity have received increasing attention as researchers attempt to predict the response of species to climate change and other disturbances (Keeley et.al. 2018^{xxii}, Worboys et.al.,2010^{xxiii}, Sawyer 2011^{xxiv}). There is broad recognition that the maintenance and

restoration of connectivity at landscape scales is crucial for biodiversity conservation (Bennett 2003^{xxv}, Theobald et.al., 2012^{xxvi}).

Connectivity is the degree to which the landscape facilitates or impedes the movement of organisms among patches (Rothley 2005)^{xxvii}. Corridors provide structural connectivity and are consistent with the functional connectivity needs of animals that can take advantage of linear spaces to move among disparate habitat patches. Wildlife corridors are key landscape elements that serve to provide and increase connectivity between habitat patches, especially in urban areas where the permeability of the surrounding matrix is relatively low (Bellows and Mitchell 2000^{xxviii}; Haddad and Tewksbury, 2005^{xxix}; Lidicker Jr and Koenig 1996^{xxx}). They often follow stream corridors but may also consist of upland connections, greenways, windbreaks, wooded streets, field margins or hedgerows (Bernier-Leduc et.al.,2009^{xxxi}; Best 1983^{xxxii}; Hilty et. al.,2006^{xxxiii}). Corridors are not necessarily continuous and are best defined by functionality; for example, a well-placed linear sequence of “stepping stones” or a traversable matrix may provide effective connectivity for some species (Hilty et. al.,2006). Corridors can also encompass complete home ranges to some animals, particularly edge-dwellers and species with small home ranges such as small mammals (Rosenberg 1997)^{xxxiv}. Thus, corridors serve as both movement pathways and as habitat for some animals. There is a general scientific consensus that connections between habitat fragments are crucial for survival of many species and populations, and that well designed corridors can play a major role in maintaining ecosystem functions (Bartos Smith et.al., 2010^{xxxv}; Beier et.al., 2009^{xxxvi}; Hatch et.al., 2007^{xxxvii}; Lidicker Jr and Koenig 1996; Merriam 1991^{xxxviii}; Gibbons 2003^{xxxix}; Woolbright 2001^{xl}). Corridors provide the opportunity for many species to traverse through habitat that is not suitable for permanent residency to locate better habitat, find a mate, disperse from natal areas, escape predation or other dangers, and access habitats needed seasonally or at different life history stages (Beier 1995^{xli}; Bennett and Mulongoy 2009^{xlii}; Gibbons 2003; Lidicker Jr and Koenig 1996).

Protected Areas and Managed Forest Interface

The Protected Areas and the Managed Forests (territorial) Areas are under different management regimes., thus the wildlife corridors, which usually occupy the latter need, special attention and management focus. The focus in Protected Areas is on wildlife management and is governed by Management Plans or Tiger Conservation Plan in case of a Tiger Reserve. In Managed Forests the focus tends to be on forest management and is managed through the Working Plans which are formulated for each territorial division. The Protected areas have disturbance regimes to a very lesser extent as compared to the Managed Forests areas which are subjected to multiple uses. Both the areas are managed with different objectives therefore wildlife corridors which emerges from Protected Areas and passes through managed forests, need a unique and a specialized management. Indicative Corridors Plans are prepared for Tiger reserves as an integral part of the Tiger Conservation Plan however there are corridors more than those connecting Tiger Reserves and they are equally important and need to be addressed

just as those emerging from Tiger Reserves. Thus, there is an emerging need for Wildlife Corridor Plans for all potential corridors. In general, there are many constraints in the management of the Wildlife Corridors for long ranging animals like Tiger and Elephants and the species namely Leopard, Sloth Bear and Gaur which may be occupying these corridors.

The management constraints related to wildlife corridors:

1. Multiple control and management regimes in the corridors.
2. Various kinds and gradients of disturbance regimes.
3. Developmental activities of all sorts namely infrastructure development, mining, clearance and deviation of forest land for developmental projects.
4. Biotic pressure from the adjacent human and livestock populations.
5. Execution and implementation of various projects and schemes of various Government and line agencies.
6. Fragmentation of habitats leading to physical disconnects of habitats.
7. Frequent forest fires and other activities leading to degradation of wild habitats.
8. Usually there may not be an alignment of various projects of various line agencies operating in crucial wildlife corridors which is essential for successful implementation of all Government projects and schemes to become conducive to management of wildlife corridors.
9. There is lack of coordination and networking between various panchayat level committees like eco-development committees, JFM Committees and various other committees formed by various resource departments.
10. Management of Wildlife Corridors, which occupy the managed forest areas, entails a lot of expenditure. The funds allocated for the implementation of the Working Plans in these territorial divisions are seldom enough to accommodate the additional activity of management of wildlife corridors.
11. There is a general trend amongst the developmental agencies to avoid protected areas while planning developmental projects whereby Forest and Wildlife Clearances are required under the Forest Conservation Act, 1980 and Wildlife Protection Act, 1972 since the provisions are very stringent. Thus, there is always a probability that the managed forests may be chosen as alternative sites for developmental activities leading to more and more areas getting diverted for non-forestry purposes, thus leading to fragmentation. This poses another big challenge to protection, management and long term conservation of wildlife corridors passing through managed forests.

One of the most fundamental principles of conservation is that there should be a system of natural linkages across the landscape, interspersed with large core natural areas to provide an inter-connected web of natural habitats. Thus, it can be seen that management and maintenance of wildlife corridors is an extremely challenging task. At the same time maintenance of these connectivity's is extremely important from the point of view of protection, management and long term conservation of all protected areas and wildlife in general.

Problems in Corridor Management

Some of the typical problems the field managers are expected to encounter when they are involved with the task of protection, management, development, amelioration, restoration, development, conservation, monitoring and evaluation of wildlife or conservation corridors are as follows:

1. There are no specific Corridor Management Plans except for the Indicative Corridor and Adjoining Areas Plan prepared for the Tiger Reserves as a part of the Tiger Conservation Plan. These plans elaborate an overview of the corridors between the concerned tiger reserves and the adjacent protected areas. There is a need for a Detailed Project Report for each corridor at least at the Forest Division Level with various sets of Thematic Plans followed by Treatment Maps for giving effect to Management interventions.
2. The corridors are identified on the maps but there is need to have them demarcated on the ground as well, for the understanding of the field staff.
3. The intervening corridors between the protected areas, even though identified are usually poorly managed and usually become a 'No Man's land' from the forest management perspective, leave aside wildlife –oriented management.
4. Multiple jurisdictions with diverse land use are one of the biggest challenges in management of wildlife / conservation corridors.
5. Wildlife, conservation and all other types of corridors are subjected to very heavy biotic pressure which is exerted through the diverse land use interspersed all over the surroundings of the corridor.
6. The corridors are adversely affected due to lack of forest protection activities and the probability of these areas getting subjected to heavy encroachments cannot be denied.
7. Due to various reasons unified control of wildlife/ conservation corridors is extremely difficult, therefore they remain mostly unmanaged.
8. It should be very well understood that an unmanaged poorly maintained corridor is more detrimental than there being no corridor at all. The mere presence of the corridor is not enough for wildlife conservation.
9. There is lack of coordination, comprehension, integration and convergence for conservation in management of corridors which is extremely important to be addressed.
10. 'Conservation Oriented Development' is usually 'out of focus' in case of corridors.
11. There is no 'Comprehensive and Integrated 'Strategy and Action Plan' in place to get a holistic analytical view of the landscapes in question.
12. Absence of a 'Strategy and an Action Plan for Corridors' is a huge lacuna. If there is a 'Strategic and Action Plan' then only – Site-Specific and Problem-Specific- 'Implementation Plan' and 'Monitoring Protocol's for conservation of corridors can be prepared.

The Need

It is extremely essential that CAMPA, Jharkhand proposes and develops a 'Strategic and Action Plan for Conservation of Corridors' for the existing WII and identify, demarcate and map all the potential corridors within and adjacent to the periphery of the state boundary of Jharkhand and even those which fall in heavily human dominated landscapes. Thereafter there is an emergent need to prioritize these corridors using a set criterion in order to prioritize management action to ensure long term conservation of these corridors.

It may be noted that there will never be enough resources with forest department or the Governments in general to conserve all the corridors which will be identified. However, if a 'Strategy and an Action Plan' is in place, it will be possible to judiciously use the available resources optimally and precisely where they are required. This will help save Government resources and get the best possible results for the expenditure incurred and or investments done. A Strategy and Action Plan is a tool to ensure long term conservation of wildlife corridors and thereby the protected areas and the habitat blocks (territorial forests) they connect. Apart from this the conservation of the managed forests/ territorial forests will get and additional boost as a spin- off effect due to site specific and theme-based management and conservation of corridors.

The current context

Jharkhand-General

Jharkhand ("The land of forest") is a state in eastern India, created on 15 November 2000, from what was previously the southern half of Bihar. The state shares its border with the states of Bihar to the north, Uttar Pradesh to the northwest, Chhattisgarh to the west, Odisha to the south and West Bengal to the east. It has an area of 79,714 km² (30,778 sq mi). It is the 15th largest state by area, and the 14th largest by population. The State of Jharkhand has a unique relation with forests since ancient times. The word 'Jharkhand' connotes area of land covered with forests. Therefore, literally as well as symbolically, Jharkhand is associated with forests. The state is endowed with abundant mineral wealth, flora and fauna. Many rivers like Damodar, Brahmani, Kharkai and the Subarnarekha, flow gently adding to the natural charm of Jharkhand. Over thirty two indigenous communities exist harmoniously in Jharkhand such as Santhal, Munda, Oraon, Ho, Paharia, Chero, Birjea, Asura etc. These communities have several colourful nature friendly festivals like Sarhul, Karma etc. in which tribals worships and protect trees. The State of Jharkhand lies between Latitude 22° 00' N to 24° 37' N and Longitude 83° 15' E to 87° 01' East.

Forest Cover in Jharkhand

According to ISFR-2021 the State has a geographical area of 79,716 sq.km which constitutes 2.42% of the country's area. The total recorded forest area (RFA) of the state 23,721 sq.km which is nearly 29.76% of the geographical area of the state. Of the total recorded forest area, Reserved Forest constitute 18.58%, Protected Forests 81.28% and Unclassed Forests 0.14 %

(ISFR-2021). It is indeed a moment of happiness for Jharkhand State that the total recorded forest area has been increased by 109.73 sq.km over the last two years.

Map 1: Forest Cover Map of Jharkhand (ISFR, 2021)

Forest Types in Jharkhand

The area under different forest types of Jharkhand as per Champion & Seth classification (1968), according to the Atlas Forest Types of India 2020 are presented in the following table-

Sl. No.	Forest Type	Area	% of the total mapped area*
1.	3C/C2e (II) Moist peninsular low level sal	566.05	2.33
2.	3C/C2e (III) Moist peninsular valley sal	64.47	0.27
3.	5B/C1c Dry peninsular sal forest	12,969.73	53.37
4.	5B/C2 Northern dry mixed deciduous forest	8,283.65	34.09
5.	5/D51 Dry deciduous scrub	815.38	3.36
6.	5/E2 <i>Boswellia</i> forest	11.06	0.05
7.	5/E5 <i>Butea</i> forest	1.03	0.00
8.	5/E9 Dry bamboo brakes	131.84	0.54
	Sub Total	22,843.21	94.01
9.	TOF/Plantation	1,456.25	5.99
	Total (Forest Cover & Scrub)	24,299.46	100.00

Table 1: Percentage area under different forest types of in Jharkhand

Biodiversity in Jharkhand

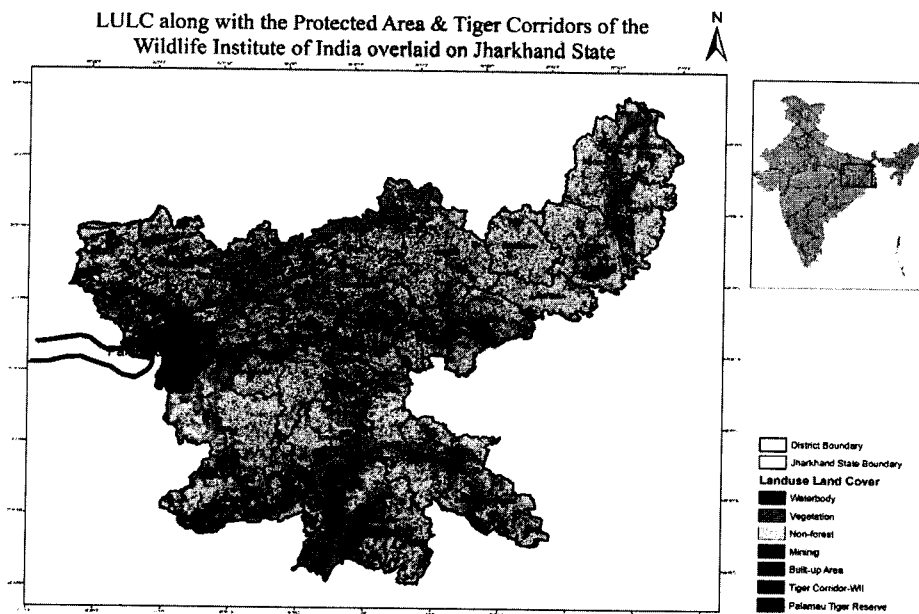
Jharkhand is very rich in biodiversity and is the part of the Chhotanagpur Plateau Province of the Deccan Peninsula Biogeographic Zone. There are three forest types viz., Tropical Moist Deciduous, Tropical Dry Deciduous, and Subtropical Broadleaved Hill Forests, Sal (*Shorea robusta*) being the major forest tree species. The Chhotanagpur Plateau is very rich in forest resources. The state is very rich in wildlife resources too.

One National Park and eleven Wildlife Sanctuaries are there, devoted to in situ conservation of wildlife. They cover 0.21 million hectares, i.e., 2.63% of the state's total geographical area and 9% of the recorded forest area. In addition, there is one Biological Park, at Chakla (Ormanjhi), one Deer Park at Kalamati and one Crocodile Breeding Centre at Muta, all in Ranchi District, devoted to ex situ conservation of wildlife as well as for serving as centres for sensitizing people for conservation of wildlife resources of the state and the country at large. The state is implementing two national research-cum-conservation projects viz., the Project Tiger since 1973-74 for in situ conservation of the Indian Tiger and the Project Elephant since 1991-92 for conservation of viable populations of wild Asiatic Elephants and their habitats. Under these conservation projects, special management units of the Palamau Tiger Reserve and the Singhbhum Elephant Reserve have been created.

Protected Areas in Jharkhand

Sl. No.	Name	District	Legal Staus	Date of Notification	Area (in sq. km.)	Name of the Division	Principal Animals
1	Betla National Park	Palamu	N.P	10.9.86	231.67	Project Tiger Daltonganj	Tiger, Gaur, Deer, Elephant
2	Palamu Sanctuary	Palamu	S	17.7.76	794.33	Project Tiger,Daltonganj	Elephant, Gaur Sambhar
3	Hazaribagh Sanctuary	Hazaribagh	S	24.5.76	186.25	Hazaribagh, W.L. Division	Panther, Wild Boar, Hyena
4	Mahuadanr Wolf Sanctuary	Palamu	S	23.6.76	63.25	Buffer Area PTR	Wolf, Spotted Deer, Wild Boar
5	Dalma Sanctuary	Singhbhum East & Saraikela Kharsawan	S	23.6.76	193.22	Wild Life Division Ranchi	Elephant, Mouse Deer, Barking Deer, Wild Boar
6	Topchanchi Sanctuary	Dhanbad	S	3.5.78	8.75	Hazaribag W.L.Div.	Panther, Langoor, Barking Deer, Wild Boar
7	Lawalong Sanctuary	Chatra	S	7.8.78	207.00	Hazaribag W.L.Div.	Panther, Wild Boar, Langoor, Sambhar, Nilgai, Spotted Deer, heyna, Barking Deer
8	Koderma Sanctuary	Koderma	S	25.1.85	177.95	Hazaribag W.L.Div.	Sambhar, Leopard, Barking Deer, Blue Bull
9	Parasnath Sanctuary	Giridih	S	2.8.81	49.33	Hazaribag W.L.Div.	Sambhar, Leopard, Barking Deer, Blue Bull
10	Palkot Sanctuary	Gumla	S	22.8.90	183.18	Ranchi W.L.Div.	Leopard, sloth Bear, Deer
11	Gautam Budha Sanctuary	Hazaribagh	S	1971	100.00	Hazaribag W.L.Div.	Sambhar, Leopard, Blue Bull
12	Udhwa Lake Bird Sanctuary	Sahebganj	S	1991	5.65	Hazaribag W.L.Div.	Migratory Birds

Table 2 Protected Areas in Jharkhand State (<https://forest.jharkhand.gov.in/>)



Map 2- Land-use Land-Cover along the Palamou Tiger Reserve and the Tige Corridor of the Wildlife Institute of India overlaid on the districts of Jharkhand State.

Overview - Strategy and Action Plan for Conservation of Corridors

Vision 2050

Establishment of Jharkhand Ecological Corridor Network for Nature Conservation and Human Well Being. (JECNNC) by 2050

(Synchronous with the Post 2020 Global Biodiversity Framework-COP-15 CBD)

Goal 2022-2050:

1. Conservation of the potential Ecological Corridors to maintain the connectivities between protected areas for long term conservation.
2. Ensuring ecosystem and human wellbeing to ensure harmony amongst both.

(Synchronous and in alignment with Goals of the Post 2020 Global Biodiversity Framework COP15 CBD and in alignment with the National Wildlife Action Plan: 2017-2031)

Mission 2030:

Urgent action across society to put biodiversity on a path to recovery through actions (immediate, mid-term and long-term) for conservation of corridors and efficient and effective management of Human -Wildlife Conflict.

Proposed Components of the Strategic Plan

For the convenience of execution of the project of preparation of the Strategic Plan the following components are envisaged

Scope-A: Identification of various potential wildlife/ habitat corridors in territorial or the managed forests apart from the ones identified by WII.

Scope-B: Preparation of 'Strategic Plan' for effective functioning of all such corridors including those identified by WII.

Project Objectives-

1. Identification, Categorization and Prioritization of various potential wildlife/ biodiversity/ Ecological corridors in territorial forests apart from the ones identified by WII. (Types viz. i. Environmental/ Wildlife/ Natural Habitat Corridor, ii. Regenerated Corridors, iii. Remnant Habitat Corridors, iv. Planted / Introduced Habitat, disturbance Habitat Corridors, vi. Regional Corridors, vii. Watershed Corridors and viii. Stepping Stones (Mosaic of disjunctive suitable habitat patches)/
2. Development of a 'Strategy and Action Plan for Conservation of Corridor (SAPCC)' in Jharkhand for effective functioning of all such corridors including those identified by WII.
3. Development of a phase-wise timebound Implementation Framework for the SAPCC

Methodology Overview

Spatial Database Generation

The methodology overview for Spatial Database Generation for Strategic Plan, Analysis and its Outcome is as presented in the Fig. 1 below-

Methodology for Spatial Database Generation for the Strategic Plan, Prioritization of Corridors and Segments within the Corridors

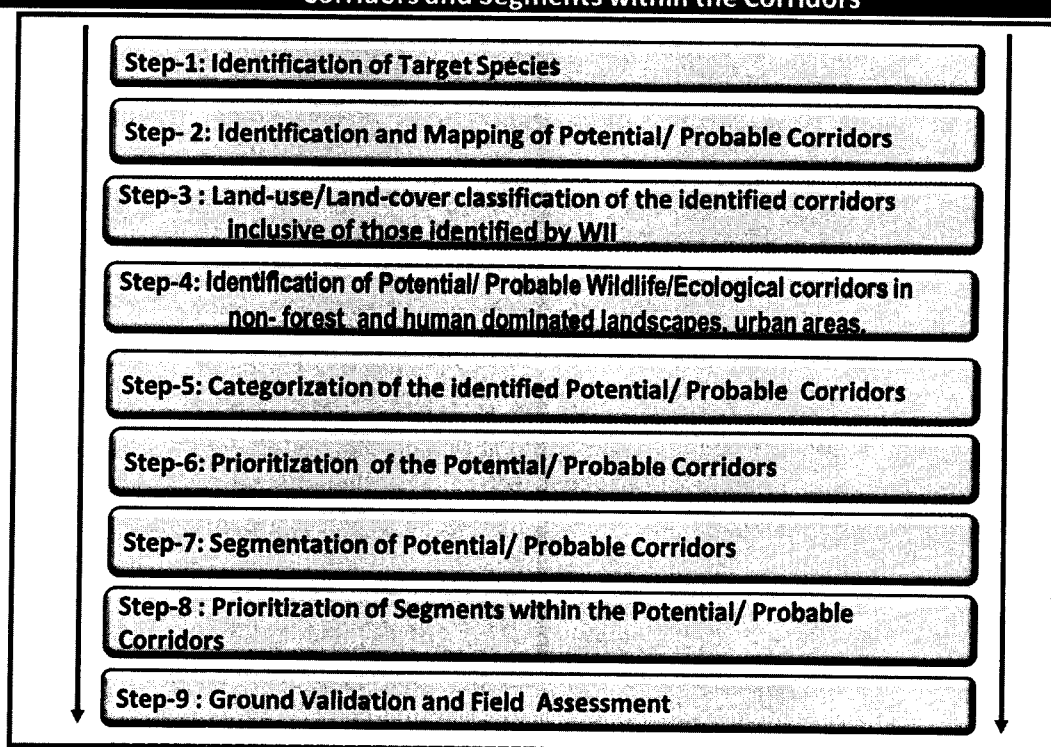


Figure 1- Methodology Overview for Spatial Database Generation for Strategic Plan, Prioritisation of Corridors and Segments within Corridors

Target Species

The target species includes two long ranging species – the tiger and the elephant which are known to exclusively use corridors for dispersal and corridor dwelling mammals *viz.* prey species of the tigers and leopards which includes chital, sambar, wild pig and barking deer which may occupy the corridors as well as disperse to adjoining habitats. The other associated wildlife species which will be considered are leopard and sloth bear.

Overview of Follow-up Planning

The overview of ‘Follow-up Planning for Implementation of the Strategic and Action Plan’ which will also be an integral part of the Strategic Plan, is expected to be as depicted in the Fig. 2 below. In brief and ‘At a Glance’ it elaborates upon various sub-components/ deliverables of the SAPCC which will lead to various ‘Planning and Implementation Protocols’ to thereafter support the forest department in implementation of the SAPCC.

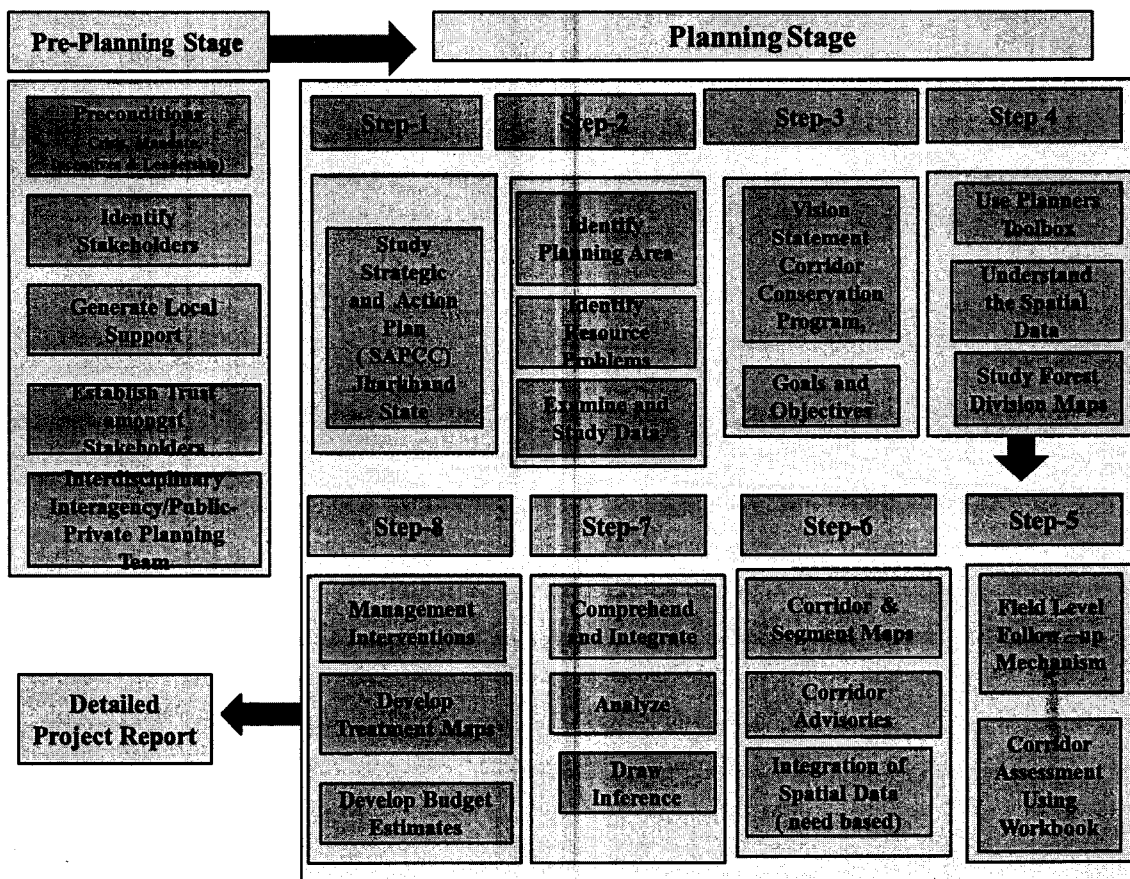


Figure 2: The overview of 'Follow-up Planning for Implementation of the Strategic and Action Plan'

Project Outcome: Strategy and Action Plan for Conservation of Corridors (SAPCC) for Jharkhand State.

Prospective Benefits:

1. Ensuring long term conservation of forests and wildlife through establishment of linkages and Networking of all the Protected Areas, Conservation Reserves, Community Reserves, Eco-sensitive Zones of Protected Areas, Critical Wildlife Habitats, Habitat Blocks and Remnant Forests or any other formal or informal conservation or management category prevailing.
2. Open Spaces Conservation for augmentation of assisted Biodiversity Conservation to promote long-term conservation of protected areas.
3. Promoting wetland conservation and their interlinking through connectivities.
4. Facilitation of phase-wise Planning and Implementation using the SAPCC.
5. Strategy and Action Plan as a ready reckoner for optimization of Government resources and time through incorporation of time as the 4th Dimension as an Integral Conservation Planning component.
6. Emerging opportunities for Climate Change Adaptations of the Ecosystems and the local communities.

7. Potential for extending opportunities for Carbon Credit Investments from the polluters within the corridors and in the private lands surrounding or adjacent to the corridors which in turn will ensure long term conservation of corridors.
8. Ensuring eco-restoration of landscapes in and around the corridors for environmental and human wellbeing.

Conclusion

The Strategic Plan which comprises Scope-A and Scope B is expected to find its utility with all levels of functionaries in the Forest Department and the Allied Line Departments. It is expected to address conservation issues across a spectrum of activities related to Protection, Management, Restoration, Amelioration, Development, Conservation and Monitoring, of not only wildlife corridors, but also issues pertaining to forest, wildlife and allied resources management, specifically and in general. Alongside it is expected to enhance capacity and competency of functionaries of the forest department at various level related to Planning, Management and successful Implementation of activities related to forest and wildlife conservation. The project will be completed in one year. The concerns which may be addressed with added edge to decision making may be as follows:

1. Policy Issues related to Conservation,
2. State Level Perspective Plans for Conservation,
3. Landscape Level Planning,
4. Associated and Allied issues related to Development of Working Plans, Management Plans for Protected Areas and Tiger Conservation Plans.
5. Instituting a Cost-Effective Planning and Management Framework

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Details of activities under 'NPV' and 'Interest' components
Details of NPV activities under CAF Rules, 2018

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)	CAF Rule
1	2	3	4	5	6
Under CAF Rule 5(2), (3)					
NPV : Completion & Maintenance Works [under CAF Rule 5(2)]					
1	Maintenance (II & III Year of operation) for Miscellaneous interventions using LiDAR Technology	ha.	540.000	193.78255	5(2)g
2	Completion work (II year work) for Afforestation works in the Ganga basin (Forest land)	no.	2	327.000	5(2)b
3	Completion work (II year work) for RDF/ Bamboo block plantations (Non-Forest land) in wildlife corridor	ha.	1,469.500	640.335	5(2)j
4	Completion work (II year work) for SMC block plantations (Forest land)	ha.	1,850.000	622.988	5(2)b
5	Completion work (II year work) for RDF Block Plantation (Forest land)	ha.	1,850.000	729.975	5(2)b
6	Completion work (II year work) for MFP Host Tree Plantation block plantations (Forest Land)	ha.	2,050.000	2,002.205	5(2)b
7	Maintenance I (III Year of operation) for RDF Block Plantation (Forest land)	ha.	2,575.000	461.988	5(2)b
8	Completion work (II year work) for Natural Regeneration, Silviculture operation & SMC works	ha.	12,950.000	1,470.473	5(2)c
9	Maintenance I (III Year of operation) for Natural Regeneration, Silviculture operation & SMC works	ha.	9,040.000	296.964	5(2)c
10	Maintenance II (IV Year of operation) for Natural Regeneration, Silviculture operation & SMC works	ha.	6,022.000	197.823	5(2)c
11	Maintenance and Strengthening Work of Permanent & Hi-tech Nurseries	ha.	123.500	1,783.959	5(3)a
Total				8,727.491	
(b) New Works: The physical and financial targets of various new activities area as follows:					
Proposal under [CAF Rule 5(2)]					
CAF Rule 5(2)a					
(I) Assisted natural regeneration					
Total			5,525.000	3,963.809	5(2)a
CAF Rule 5(2)b					
(II) Afforestation works in the Ganga basin with CAMPA on forest land					
Total			2	1,100.000	5(2)b
Total				1,100.000	
(III) NPV : Artificial Regeneration Advance Work (1st Year work)					
1	Advance work (1st Year work) for RDF/MFP block plantations (Forest Land)	ha.	4,100.000	3,792.224	5(2)b
2	Advance work for Bamboo Plantation (Forest Land)	ha.	4,200.000	4,054.375	
3	Advance work for Sisal Plantation (Forest Land)	ha.	100.000	158.367	
Total			8,400.000	8,004.966	
CAF Rule 5(2)c					
(IV) NPV : Silvicultural operations					
1	Advance Work (1st Year works) Silviculture operation	ha.	5,525.000	3,963.809	5(2)c
Total			5,525.000	3,963.809	
CAF Rule 5(2)d					
(V) NPV : Protection of Forests and Plantations activities					
1	Consolidation of Forest Boundary Pillar with digitization/DGPS of Forest boundary	no.	8,570	471.350	5(2)d
2	Integrated work for forest and wild life protection	no.	36	720.000	
Total			8,606	1,191.350	
CAF Rule 5(2)e					
(VI) NPV : Pest and disease control in forest activities					
1	Pest and disease control in forest	no.	2	10.000	5(2)e
Total				10.000	
CAF Rule 5(2)f					
(VII) NPV : Forest fire prevention and control operations activities					
1	Forest fire prevention and control operations	no.	36	481.550	5(2)f
Total			36	481.550	
CAF Rule 5(2)g					
(VIII) NPV : Soil Moisture Conservation					
1	Construction of Check dam	no.	565	4,756.000	5(2)g
2	Renovation of Traditional Water Sources	no.	615	492.000	
3	Treatment of some important Nala on the concept of Watershed and CAT	no.	31	775.000	
Total			1,211	6,023.000	
CAF Rule 5(2)g					
(IX) NPV : Miscellaneous interventions using LiDAR Technology					
1	Advance work (1st Year work) for Miscellaneous interventions using LiDAR Technology	no.	1 Div.	500.000	5(2)g
Total				500.000	
CAF Rule 5(2)h					
(X) NPV : Voluntary relocation of villages from protected areas					
1	Voluntary relocation of villages from protected areas	no.	1	800.000	5(2)h
Total				800.000	

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)	CAF Rule
1	2	3	4	5	6
	CAF Rule 5(2)i				
(XI)	NPV : Wildlife Habitat improvement and related activities				
1	Wildlife Habitat improvement Activities (Completion & Maintenance Works)	ha.	6,468.000	983.265	5(2)i
2	Wildlife Habitat improvement Activities (Advance Works)	ha.	5,098.000	5,894.488	
	Total			6,877.753	
	CAF Rule 5(2)j				
(XII)	NPV : Plantations on non-forest land falling in wildlife corridors				
1	Advance work (1st year work) for RDF block plantations on non-forest land falling in wildlife corridors	ha.	2,300.000	1,848.542	5(2)j
	Total			1,848.542	
	CAF Rule 5(2)k				
(XIII)	NPV : Continuing Scheme of Creation of Rescue Centre				
1	Continuing Scheme of Creation of Rescue Centre	no.	1	500.000	5(2)k
	Total		1	500.000	
	CAF Rule 5(2)l				
(XIV)	NPV: Supply of Forest Produce Saving devices				
1	Distribution of Solar Lamp	no.	3,500	140.000	5(2)l
	Total		3,500	140.000	
	CAF Rule 5(3)a				
	New Proposal under CAF Rule 5(3)				
(XV)	NPV : Establishment, up-gradation and maintenance of modern nurseries and other planting stock production facilities for production of quality planting materials;				
1	Establishment of Nurseries	no.	155	1,550.000	5(3)a
1	Establishment of Hi-Tech Nurseries	no.	4	64.133	
2	Establishment of Sisal Nurseries	no.	1	17.669	
3	Establishment of Tissue culture Lab. for planting Stock	no.	1	49.000	
	Total			1,680.802	
	CAF Rule 5(3)b				
(XVI)	NPV : Promoting conservation, sustainable use and documentation of biological diversity				
1	Promoting conservation, sustainable use and documentation of biological diversity through Study on ethnoforestry	no.	1	20.000	5(3)b
	Total			20.000	
	CAF Rule 5(3)c				
(XVII)	NPV : Purchase and maintenance of equipment or devices used for communication and				
1	Purchase of Dragon Torch	no.	1,205	102.425	5(3)c
2	Maint. of Dragon Torch	no.	161	1.610	
3	Maint. of Old Solar Street Light	no.	20	2.000	
4	Purchase of Fire fighting equipment and related to man animal conflict	no.	46	230.000	
5	Const. of VHF Tower	no.	5	125.000	
	Total			461.035	
	CAF Rule 5(3)d				
(XVIII)	NPV : Up gradation and maintenance of forest roads and watch towers				
1	Forest Road Repair	k.m.	2,595.914	865.942	5(3)d
2	Maint. Of Old Watch Tower	no.	54	13.500	
3	Const. of Watch Tower	no.	26	195.000	
4	Const. of Check post	no.	3	30.000	
	Total			1,104.442	
	CAF Rule 5(3)e				
(XIX)	NPV : Construction of residential and Official Buildings in forests for frontline staffs				
1	Const. of R.O.F Quarter Cum Office/R.F.O. Office/R.F.O. Residence	no.	18	810.000	5(3)e
2	Const. of Forest Guard Quarter	no.	20	990.000	
3	Const. of Camp Office R.F.O/Inspection Hut	no.	10	156.000	
	Total			1,956.000	
	CAF Rule 5(3)g				
(XX)	NPV : Survey and mapping of forest areas for forest fire control, compensatory				
1	Survey and mapping of forest areas through LiDAR technology	no.	12	2,938.200	5(3)g
	Total			2,938.200	

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)	CAF Rule
1	2	3	4	5	6
	CAF Rule 5(3)h				
(XXI)	NPV : Monitoring & Evaluation				
1	Independent evaluation of works under CAMPA	no.	54	56.000	5(3)h
2	e-Green watch Portal- Training updating and uploading of information and strengthening of respective offices	no.	54	44.000	
	Total			100.000	
	CAF Rule 5(3)i				
(XXII)	NPV : Publicity-cum-awareness programmes.				
1	Awareness Generation, Camps, Workshop, promoting voluntary activities/ study tours on	no.	50	275.000	5(3)i
	Total			275.000	
	CAF Rule 5(3)k				
(XXIII)	NPV : Forest certification and food safety training				
1	Forest certification and food safety training	no.	3	4.392	5(3)k
	Total			4.392	
	Total of NPV New work			43,944.648	
	Grand Total of NPV Work			52,672.140	
	NPV Activities under Rule 5(2): 80.40%			42348.311	
	NPV Activities under Rule 5(3): 19.60%			10323.829	
	Grand Total of NPV activities			52672.140	

Details of activities under 'NPV' and 'Interest' components
Details of Utilization of Interest under CAF Rules, 2018

A	Conservation and development of forest and wildlife	Physical	Amount (Rs. In lakh)	CAF Rule
(i)	To offset incremental cost of CA, CAT Plan, Integrated Wildlife Management Plan, NPV activities etc. at increased wage rates	LS	797.774	6(a)(i), (ii), (iii)
(ii)	Personnel services			
	Disbursement of salary, allowances and wages of members and staff, both regular and contractual, of State Authority	LS	350.226	6(a)(iv)
	Sitting Fees and Allowances to non-official members	LS	2.000	6(a)(v)
	Sub-total (A)		1150.000	
B	Non-recurring and recurring expenditure of State Authority			
(i)	Administrative Expenses			
	Office Expenses	LS	8.000	6(b)(i)
	Electricity and Power	LS	5.000	6(b)(i)
	Purchase of stationary items	LS	8.000	6(b)(i)
	Purchase of office furniture and equipments	LS	8.000	6(b)(ii)
	Telephone/IT services and facilities	LS	2.000	6(b)(i)
	Works related to computer hardware/software	LS	5.000	6(b)(i)
	Hire, purchase and Maintenance of staff cars including POL	LS	25.000	6(b)(iii)
	Maintenance works	LS	5.000	6(b)(i)
	Machine, equipments and tools used for communication and information technology for purposes of forest and wildlife	LS	8.000	6(b)(i)
	Rent, Rates and Taxes	LS	15.000	6(b)(iv)
	Sub-total (B) (i)		89.000	
(ii)	Other Expenses			
	Professional services	LS	15.000	6(b)(v)
	Contingencies and miscellaneous	LS	5.000	6(b)(v)
	Audit of CAMPA accounts	LS	21.000	6(b)(v)
	Hospitality expenses	LS	5.000	6(b)(v)
	Expenditure on travel for trainings and other relevant expenses	LS	5.000	6(b)(v)
	Publications	LS	10.000	6(b)(v)
	Sub-total (B) (ii)		61.000	
	Sub-total (B)		150.000	
C	Study to improve wildlife, protection of forests and Bio-diversity			
	Study to improve wildlife, protection of forests and Bio-diversity	LS	200.000	6(b)(vi)
	Sub-total (C)		200.000	
	TOTAL (A) + (B) +(C)		1500.000	
	Activities under Rule 6(a): 76.67%			
	Activities under Rule 6(b): 23.33%			

Jharkhand CAMPA

Minimum 80% of activities towards afforestation/forest development and wildlife habitat improvement

NPV activities under CAF Rules, 2018**Activities proposed under Rule 5(2) of CAF Rules, 2018:**

Sl. No.	Rule No.	Activity	Amount (Rs. In lakh)
1	5(2)(a)	Assisted natural regeneration	3963.809
2	5(2)(b)	Artificial regeneration	13442.905
3	5(2)(c)	Silvicultural operations	5929.068
4	5(2)(d)	Protection of forests and plantations activities	1191.350
5	5(2)(e)	Pest and disease control in forest activities	10.000
6	5(2)(f)	Forest fire prevention and control operations activities	481.550
7	5(2)(g)	Soil Moisture Conservation	6023.000
8	5(2)(g)	Miscellaneous interventions using LiDAR Technology	500.000
9	5(2)(h)	Voluntary relocation of villages from protected areas	800.000
10	5(2)(i)	Wildlife habitat improvement and related activities	6877.753
11	5(2)(j)	Plantations on non-forest land falling in wildlife corridors	2488.877
12	5(2)(k)	Continuing Scheme of Creation of Rescue Centre	500.000
13	5(2)(l)	Supply of wood saving cooking appliances and other forest produce saving devices in forest fringe villages	140.000
		Total	42348.311

Activities proposed under Rule 5(3) of CAF Rules, 2018:

Sl. No.	Rule No.	Activity	Amount (Rs. In lakh)
1	5(3)(a)	Establishment, up-gradation and maintenance of modern nurseries and other planting stock production facilities for production of quality planting materials	3464.760
2	5(3)(b)	Promoting conservation, sustainable use and documentation of biological diversity including preservation of habitats, conservation of land and folk varieties and cultivars, domesticated stocks and breeds of animals and microorganisms and chronicling of knowledge relating to biological diversity.	20.000
3	5(3)(c)	Purchase and maintenance of equipment or devices used for communication and information technology for the purpose of protection of forest and wildlife	461.035
4	5(3)(d)	Construction, up-gradation and maintenance of inspection paths, forest roads in forest area etc.	1104.442
5	5(3)(e)	Construction of residential and official buildings in forests for front line staffs deployed for protection of forest and wildlife	1956.000
6	5(3)(g)	Survey and mapping of forest areas for forest fire control, compensatory afforestation works. Soil and moisture conservation, catchment area treatment and wildlife management for preparing annual plans	2938.200
7	5(3)(h)	Independent concurrent monitoring and evaluation and third party monitoring of various works	100.000
8	5(3)(i)	Publicity-cum-awareness programme and exhibition on the various schemes	275.000
9	5(3)(K)	forest certification and development of certification standards.	4.392
		Total	10323.829

Therefore, the manner of utilization of Net Present Value is as below:

Component	Corresponding CAF Rule, 2018	Percentage	Amount (Rs. In lakh)
NPV	Rule 5(2)	80.40 percent	42348.311
	Rule 5(3)	19.60 percent	10323.829
		Total	52672.140

Minimum 80% of activities towards afforestation/forest development and wildlife habitat improvement

Details of Utilization of Interest under CAF Rules, 2018

Activities proposed under Rule 6(a) of CAF Rules, 2018:

Sl. No.	Rule No.	Activity	Amount proposed (Rs. In lakh)
1	6(a)(i)(ii)(iii)	Offset incremental cost of CA, CAT, IWMP, NPV etc.	797.774
2	6(a)(iv)	Disbursement of salary and allowances of members and staff of State Authority	350.226
3	6(a)(v)	Disbursement of salary and allowances of members to be nominated members of State Authority	2.000
Total			1150.000

Activities proposed under Rule 6(b) of CAF Rules, 2018:

Sl. No.	Rule No.	Activity	Amount proposed (Rs. In lakh)
1	6(b)(i)(iii)(iii)(iv)	Management of office expenses, office equipment, hiring of staff cars, hiring of buildings etc.	145.000
2	6(b)(v)	Other contingencies for management of State Authority	5.000
3	6(b)(vi)	Study to improve wildlife, protection of forests and Bio-diversity	200.000
Total			350.000

Therefore, the manner of utilization of Interest is as below:

Component	Corresponding CAF Rule, 2018	Percentage	Amount (Rs. In lakh)
Utilization of Interest	Rule 6(a)	76.67 percent	1150.000
	Rule 6(b)	23.23 percent	350.000
Total			1500.000

Jharkhand CAMPA

Minimum 80% of activities towards afforestation/forest development and wildlife habitat improvement

(A) Activities related to development of forest & wildlife under APO 2023-24

Sl. No.	Budget Sub-Head	Activities	Outlay (Rs. in lakh)
1	2	3	4
(a)	02 - Compensatory Afforestation	Ongoing works : Completion & Maintenance of old plantations	5092.755
		New works : CA, PCA and compliance of additional conditions	7548.170
		Sub-Total	12640.925
(b)	03 : Catchment Area Treatment Plan	Plantation work in Catchment Area Treatment Plan	2698.091
		Sub-Total	2698.091
(c)	04 : Integrated Wildlife Management Plan	Plantation work in Integrated Wildlife Management Plan	7665.401
		Sub-Total	7665.401
(d)	05 : Net Present Value	Ongoing works : Completion & Maintenance of old plantations	8727.491
		Assisted natural regeneration	3963.809
		Afforestation works in the Ganga basin with CAMPA	1100.000
		Artificial Regeneration Advance Work (1st Year work)	8004.966
		Silviculture, Natural Regeneration & SMC, 1 st year work	3963.809
		Soil Moisture Conservation (Construction of Water harvesting structure)	6023.000
		Miscellaneous interventions using LiDAR Technology	500.000
		Wildlife habitat improvement and related activities	6877.753
		Plantations on non-forest land falling in wildlife corridors	1848.542
		Establishment, up-gradation and maintenance of modern nurseries and other planting stock production facilities for production of quality planting materials.	1680.802
		Sub-Total	42690.171
(e)	06 : Interest	Activities to be undertaken for conservation and development of forest and wildlife (To offset incremental cost of CA, CAT Plan, Integrated Wildlife Management Plan, NPV activities etc. at increased wage rates)	797.774
		Sub-Total	797.774
(e)	07 : Others	Stipulated Plantation and Other Conditional Compliance of Gol	1007.231
		Sub-Total	1007.231
		Total	67499.592
		Percentage	83.39%
(B) Activities for strengthening forest & wildlife infrastructure			
(a)	02 - Compensatory Afforestation	New works : non-plantation works in compliance of additional conditions of CA, PCA	1,000.000
		Sub-Total	1,000.000
(b)	03 : Catchment Area Treatment Plan	Non plantation work in Catchment Area Treatment Plan	299.788
		Sub-Total	299.788
(c)	04 : Integrated Wildlife Management Plan	Non plantation work in Integrated Wildlife Management Plan	851.711
		Sub-Total	851.711

Sl. No.	Budget Sub-Head	Activities	Outlay (Rs. in lakh)
1	2	3	4
(d)	05 : Net Present Value	Consolidation of Forest Boundary Pillar with dization and DGPS Survey	471.350
		Integrated work for forest and wild life protection	720.000
		Pest and disease control in forest activities	10.000
		Forest fire prevention and control operations	481.550
		Voluntary relocation of villages from protected areas	800.000
		Continuing Scheme of Creation of Rescue Centre	500.000
		Supply of Forest Produce Saving devices	140.000
		Promoting conservation, sustainable use and documentation of biological diversity including preservation of habitats, conservation of land and folk varieties and cultivars, domesticated stocks and breeds of animals and microorganisms and chronicling of knowledge relating to biological diversity.	20.000
		Purchase and maintenance of equipment or devices used for communication and information technology for the purpose of protection of forest and wildlife	461.035
		Construction, up-gradation and maintenance of inspection paths, forest roads in forest area, fire lines, watch towers, check posts and timber depots.	1104.442
		Construction of residential and Official Buildings in forests for frontline staffs.	1956.000
		Survey and mapping of forest areas for forest fire control, compensatory afforestation works. Soil and moisture conservation, catchment area treatment and wildlife management for preparing annual plans	2938.200
e-Green watch Portal – training, updating and uploading of information and strengthening of respective offices	44.000		
Awareness Generation, Promoting voluntary activities/ Study tours on conservation methods and best practices.	275.000		
		Forest certification and food safety training	4.392
		Sub-Total	9981.969
(e)	06 : Interest	Personnel services	352.226
		Non-recurring and recurring expenditure of State Authority	350.000
		Sub-Total	702.226
(e)	07 :Others	Stipulated Plantation and Other Conditional Compliance of Gol	608.877
		Sub-Total	608.877
		Total	13444.570
		Percentage	16.61%
		Grand Total of whole APO 2023-24	80944.163
(A) Activities related to development of forest & wildlife = 83.39%			
(B) Activities for strengthening forest & wildlife infrastructure = 16.61%			

Form-VI


ANNEXURE-43

Annual Budget proposal of State Authority for financial year 2023-24

Sl. No.	Description	Current Financial Year (Rs. in lakh)	Last Financial Year (Rs. in lakh)
1	2	3	4
1	a. Opening Balance of funds received from National Authority as on 1st April		415801.169
	b. Opening Balance of loans/grants ect. Received as on 1st April		
2	Estimated Annual receipt of State Authority		
	(a) Receipt of Fund by State Authorities from User agencies		
	(b) Receipt of accrual of interest on State Fund		
	(c) Receipt of Grants/loans/others of State Authority		
	(d) Any Other Income		
3	Total estimated funds available with State Authority (as on 1st April) (1+2)	355511.439	415801.169
4. (i)	Annual proposed expenditure of State Authority out of State Fund		
	Activities to be undertaken from interest (specify) under rule 6		
	Recurring Management Expenditure		
	i. Personnel services and benefits*	352.226	329.455
	ii. Administrative Expenses**	150.000	154.920
	iii. Other Administrative Expenses***	200.000	45.080
	iii. Any other expenditure	797.774	670.545
	Activities to be undertaken from Net Present value (specify) under rule 5		
	a. Non recurring management Expenditure like Creation of Capital Asset/	17085.770	12201.516
	b. Afforestation and other permissible activities	34986.369	35749.829
	c. Expenditure on Ongoing works	500.000	311.050
	d. Expenditure on New works		
	e. Monitoring and Evaluation Expenditure	100.000	100.000
4. (ii)	Compensatory Afforestation works	13640.925	17738.655
4. (iii)	Catchment Area Treatment works	2997.879	3013.202
4. (iv)	Wildlife Management works	8517.112	8962.822
4. (v)	Other (specify)	1616.108	200.000
4. (vi)	Total estimated expenditure out of grants/loans etc.		
5. (i)	Estimated Gross Total Expenditure {4(i)+4(ii)+4(iii)+4(iv)+4(v)+4(vi)}	80944.163	79477.074
(ii)	Estimated payments to National Authorities out of funds received from use agenc.		
6	Total closing balance with State Authority		
	a. Closing balance of funds received from National Authority		
	b. Closing balance out of receipt from User agencies		
	c. Closing balance of grants/loans etc.		

DECLARATION

The above Annual Plan of Operation 2023-24 has been adopted by the Jharkhand CAMPA State Authority.


Member-Secretary,
(APCCF-CEO, CAMPA Jharkhand)
State Authority Jharkhand CAMPA
Jharkhand, Ranchi.



**Department of Forest, Environment and Climate Change
Government of Jharkhand**

Van Bhawan, Doranda, Ranchi - 834002