

No.KKK/EN/LA/Forest/Hazaribag/307B/Part-II/992

Date: 24.06.2023

Principal Chief Conservator of Forest
-cum-
Executive Director
Wasteland Development Board
Jharkhand, Ranchi

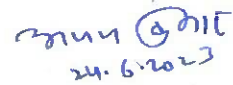
विषय:- झारखंड के हजारीबाग जिले में ईस्टर्न डेडीकेटेड फ्रेट कॉरिडोर के पक्ष में कोडरमा रेलवे
Detour के लिए 203.803 हेक्टेयर वन भूमि का डायवर्जन के सम्बंध में।

- संदर्भ: 1. ब. प्र. प./हजारीबाग पश्चिमी प्रमंडल का पत्राक स: 1342 दिनांक 11.03.2023
2. ब. प्र. प./बन्यप्राणी प्रमंडल पत्राक स: 495 दिनांक 11.03.2023
3. ब. प्र. प./हजारीबाग पश्चिमी प्रमंडल का पत्राक स: 506 दिनांक 14.03.2023

Vide letter under reference (i) to (iii) above, amount of Rs. 78,34,18,780/- (=40,94,83,440 +37,39,35,340)/- was demanded for Integrated Wildlife Action Plan comprising of mitigation and compensating measures. Accordingly, challan was downloaded from Parivesh portal on 20.06.2023. But, during download of challan, payment mode was inadvertently selected as NEFT instead of concern Union Bank of India.

As the proposal is already verified by nodal officer, it is requested to kindly re-upload the challan so that it can be downloaded and processed for early payment.

Encl: (i) Demand letters
(ii) Undertaking


24.6.2023

(अजय कुमार)

महाप्रबंधक/समन्वय
कोलकाता



Office of the Principal Chief Conservator of Forests,
Wildlife & Chief Wildlife Warden, Jharkhand.
Van Bhawan, Doranda, Ranchi-834002

Email : pccf-wildlife@gov.in, Phone No. 0651-2481744



Letter No-.....

Date.....

To,

Additional Chief Secretary,
Forest, Environment & Climate Change,
Government of Jharkhand, Ranchi.

Sub :- (i) Diversion of 203.803 ha of forest land for Koderma Railway Detour in favour of Eastern Dedicated Freight Corridor in Hazaribagh district of Jharkhand.

(ii) Endorsment of indicative plan based on rapid study of the proposed Koderma detour alignment in Koderma and Hazaribagh West Forest Divisions and Hazaribagh Wildlife Division.

Sir,

With reference to the above referred subject matter, it is to inform that Stage-I approval for diversion of 203.803 ha forest land for Koderma Detour in favour of DFCCIL in Hazaribagh district has been accorded vide MoEF&CC, Regional Office, Ranchi letter no. FP/JH/RAIL/18720/2016/3143 dated 15.05.2019 with some conditions and stipulations.

Condition No. 8 (b) : *"In this regard, an Integrated Wildlife Action Plan comprising of mitigation and compensating measures (besides the structural mitigation measures i.e. underpasses/ overpasses and other structures or installation in and along the railway track to be executed by DFCCIL at its own cost) with landscape approach for the entire forest area in Hazaribagh Wildlife Forest Division, Hazaribagh West Forest Division and Koderma Forest Division in the impact zone of the Koderma Dedicated Freight Railway Detour project shall be prepared and executed at the cost of the project proponent DFCCIL inclusive of NPV and CA components for this purpose. The project proponent shall get the plan prepared by Wildlife Institute of India and the same shall be approved by Chief Wildlife Warden, Jharkhand for execution by SFD, Jharkhand. In case of detailed planning being contingent on time-taking comprehensive impact assessment studies, an indicative/framework plan shall be drawn up based on rapid study/appraisal giving financial projections and endorsed by Chief Wildlife Warden, Jharkhand before issuance of working permission by State Government, Jharkhand for commencement of construction works."*

In this regard an indicative plan was submitted by Wildlife Institute of India vide its letter no. WII-EIA/IWAP-KODERMA-HWFD/DFCCIL Proj/2021_128 dated 04th May, 2022. The plan was reviewed and based on comments obtained from Divisional Forest Officer, Wildlife Division, Hazaribagh, CCF, Wildlife, Jharkhand, Ranchi and Divisional Forest Officer, Koderma, Wildlife Institute was requested to make necessary additions/amendments in the Indicative Plan.

The Wildlife Institute has submitted the Final Indicative Plan incorporating the comments and suggestions vide its letter no. WII-EIA/TWAP-KODERMA-HWFD/DFCCIL Proj/2021_128 dated 25.08.2022 (copy enclosed).

The Indicative Plan was reviewed and is hereby endorsed as per condition 8 (b) raised by MoEF&CC, Regional Office, Ranchi. The Project Proponent shall submit a final Integrated Wildlife Action Plan comprising of mitigation and compensating measures (besides the structural mitigation measures i.e. underpasses/overpasses and other structures or installation in and along the Railway track) with landscape approach for the entire forest area in Hazaribagh Wildlife Forest Division, Hazaribagh West Forest Division and Koderma Forest Division in the impact zone of the Koderma Dedicated Freight Railway Detour project in full compliance of condition 8 (b).

Encl:- As above

Yours sincerely,

Sd/-

Principal Chief Conservator of Forests,
Wildlife & Chief Wildlife Warden, Jharkhand

Memo No..... Dated.....

Copy forwarded to: Principal Chief Conservator of Forests-cum-Executive Director, Wasteland Development Board, Jharkhand, Ranchi/ Principal Chief Conservator of Forests, Jharkhand, Ranchi for information and necessary action.

Sd/-

Principal Chief Conservator of Forests,
Wildlife & Chief Wildlife Warden, Jharkhand

Memo No..1546... Dated..26/12/2022

Copy forwarded to: Director, WII, Dehradun [E-mail: wii@wli.gov.in] with reference to his letter no. WII-EIA/TWAP-KODERMA-HWFD/DFCCIL Proj/2021_128 dated 25.08.2022 for information and necessary action. It is requested to submit ten more copy of the said indicative plan.

Amant
26/12/22

Principal Chief Conservator of Forests,
Wildlife & Chief Wildlife Warden, Jharkhand



**कार्यालय – वन प्रमंडल पदाधिकारी,
हजारीबाग पश्चिमी वन प्रमंडल, वन भवन, हजारीबाग**
☎ 06546-222339, Email- dfo.hazaribaghwest@rediffmail.com & dfo-hazaribaghwest@gov.in

पत्रांक :- 1342

दिनांक :- 11/03/23

सेवा में,

General Manager (Coordination),
DFCCIL,
Project office, (Kolkata),
3rd floor, DCOS Building,
Central Park Depot of East-West Corridor,
Salt lake, Sector- I, Kolkata – 700064

विषय:- डेडीकेटेड फ्रेट कोरीडोर द्वारा दानकुनी पश्चिम बंगाल से सोननगर सेक्शन निर्माण पूर्वी डेडीकेटेड फ्रेट कोरीडोर के तहत कोडरमा Detour (PPP Mode) से हजारीबाग पश्चिमी वन प्रमंडल- 121.003 हे० वन भूमि अपयोजन प्रस्ताव के संबंध में।

प्रसंग:- आपका पत्रांक 237 दिनांक 06.02.2023 एवं क्षेत्रीय मुख्य वन संरक्षक, हजारीबाग का ज्ञापांक 262 दिनांक 01.02.2023 तथा प्रधान मुख्य वन संरक्षक, वन्यप्राणी एवं मुख्य वन्य प्राणी प्रतिपालक, झारखण्ड, रांची का ज्ञापांक 1546 दिनांक 26.12.2022 एवं 330 दिनांक 10.03.2023। (छाया प्रति संलग्न)

महाशय,

उपयुक्त विषयक पत्र के संबंध में सूचित करना है कि प्रधान मुख्य वन संरक्षक, वन्यप्राणी एवं मुख्य वन्य प्राणी प्रतिपालक, झारखण्ड, रांची का ज्ञापांक 1546 दिनांक 26.12.2022 (छाया प्रति संलग्न) द्वारा दिये गये निर्देश के आलोक में वन्यप्राणी प्रबंधन योजना (Integrated Wildlife Action Plan) हेतु राशि की मांग निम्नवत है :-

Indicative Integrated Wildlife Action Plan (हजारीबाग पश्चिमी वन प्रमंडल से संबंधित कार्यों की प्राक्कलित राशि 37,39,35,340.00 (सैंतीस करोड उनचालीस लाख पैंतीस हजार तीन सौ चालीस) रुपये मात्र झारखण्ड कैम्पा Account E- portal (<https://parivesh.nic.in>) पर online E- challan Generate कर जमा करते हुए तत्संबंधी प्रमाण-पत्र इस कार्यालय में उपलब्ध कराने की कृपा की जाय। यदि Final Integrated Wildlife Action Plan की प्राक्कलित राशि में कोई अन्तर आता है तो अतिरिक्त राशि को जमा कराना आपके लिए बाध्यकारी होगा। साथ ही भारत सरकार द्वारा स्टेज -I में लगाये गये शर्तों का कंडिकावार अनुपालन प्रतिवेदन 08 प्रतियों में अविलम्ब समर्पित करना सुनिश्चित किया जाय।

आपका विश्वासी

अनुलग्नक:- यथोक्त।

(Signature)
वन प्रमंडल पदाधिकारी
हजारीबाग पश्चिमी प्रमंडल



Office of the Principal Chief Conservator of Forests,
Wildlife & Chief Wildlife Warden, Jharkhand.
Van Bhawan, Doranda, Ranchi-834002

Email : pccf-wildlife@gov.in, Phone No. 0651-2481744



Letter No-330

Date..10/03/2023

To,
Additional Chief Secretary,
Forest, Environment & Climate Change,
Government of Jharkhand, Ranchi.

- Sub :- (i) Diversion of 203.803 ha of forest land for Koderma Railway Detour in favour of Eastern Dedicated Freight Corridor in Hazaribagh district of Jharkhand.
- (ii) Endorsment of indicative plan based on rapid study of the proposed Koderma detour alignment in Koderma and Hazaribagh West Forest Divisions and Hazaribagh Wildlife Division.
- (iii) Letter no 573 dated 01.03.2023 of Regional Chief Conservator of Forest, Hazaribagh.
- (iv) Letter no 1546 dated 20.12.2022 of this office.
- (v) Stage-I approval in diversion of 89.688 ha of forest land, vide letter no. FP/JH/RAIL/18085/2016/2582 dated 18.09.2018
- (vi) Stage-I approval in diversion of 89.688 ha vide letter no. FP/JH/RAIL/18085/2016/4424 dated 29.12.2020.

Sir,

With reference to the above mentioned subject, it is to inform that:-

- (a) State I approval for diversion of 89.688 ha of forest land for Koderma detour in favour of DFCCIL in Koderma have been accorded vide MoEF&CC, Regional office, Ranchi proposal no FP/JH/RAIL/18085/2016/2582 subject to special condition no 24.
- (b) Stage-II approval condition no 11.

A Final Indicative Plan was submitted by WII, Dehradun vide letter no WII-E/A-IWAP-Koderma-HWFD/DFCCIL/proj/2021-128 in compliance of Condition no 8(b) raised by MoEF&CC, Regional office, Ranchi vide letter no FP/JH/RAIL/18720 /2016/3143 dated 15.05.2019, which was reviewed & accordingly endorsed by letter no 1546 dated 20.12.2022 of this office

As, communicated by RCCF, Hazaribagh vide his letter no 573 dated 01.03.2023, the Final Indicative Plan so submitted by WII, Dehradun also fulfils the conditions imposed by MoEF&CC in Stage-I and Stage- II in the matter of diversion of 89.688 ha of forest land in Koderma Forest Division, Project no FP/JH/RAIL/18085/2016 and has requested that the same should be mentioned in the endorsement letter issued by this office.

It is therefore, requested to kindly note that:-

- (A) Final Indicative Plan so endorsed by this office vide letter no 1546 dated 20.12.2022 also complies condition no 24 of Special condition of Stage-I & Condition no 11 of Stage-II of project no FP/JH/RAIL/18085/2016 falling in Koderma Forest Division in addition to Condition no 8(b) of project no FP/JH/RAIL/18720/2016 falling in Hazaribagh West & Hazaribagh Wildlife division.

(B) The indicative plan so submitted mentions of financial projection (indicative) in Section II & III. It is to be noted that while calculating the 20% cost escalation 1st year financial projection should also be a part of it, as the actual implementation of the mitigation measures as mentioned in Section II of the Final indicative Plan will take place only after 1-2 years.

(C) The Project Proponent shall submit a final Integrated Wildlife Action Plan comprising of mitigation and compensating measures (besides the structural mitigation measures i.e. underpasses/overpasses and other structures or installation in and along the Railway track) with landscape approach for the entire forest area in Hazaribagh Wildlife Forest Division, Hazaribagh West Forest Division and Koderma Forest Division in the impact zone of the Koderma Dedicated Freight Railway Detour project in full compliance of condition.

Yours sincerely,

Sd/-

Principal Chief Conservator of Forests,
Wildlife & Chief Wildlife Warden, Jharkhand

Memo No..... Dated.....

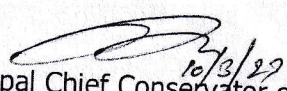
Copy forwarded to PCCF, Jharkhand/ Principal Chief Conservator of Forests-cum-Executive Director, Wetland Development Board, Jharkhand, Ranchi / APCCF, CAMPA, Jharkhand, Ranchi for information and necessary action.

Sd/-

Principal Chief Conservator of Forests,
Wildlife & Chief Wildlife Warden, Jharkhand

Memo No. 330 Dated. 10/03/2023

Copy forwarded to RCCF, Hazaribagh for information and necessary action.


Principal Chief Conservator of Forests,
Wildlife & Chief Wildlife Warden, Jharkhand



कार्यालय-वन प्रमण्डल पदाधिकारी, वन्यप्राणी प्रमण्डल, हजारीबाग

Email- dfo-wlhaz@gov.in, dfowildlifehazaribag@yahoo.in, Tel. No.-06546-223767 (O), 8987790209

शुद्धि पत्र

पत्रांक - 506 हजारीबाग, दिनांक - 14/03/2023

सेवा में,

महाप्रबंधक (ई.एल.)

डेडीकेटेड फ्रेड कॉरिडोर कॉरपोरेशन ऑफ इंडिया लि०,

3rd Floor, DCOS Building, E.W. Metro Central Park Depot,

Sector-1, Bidhannagar, Salt Lake, Kolkata, West Bengal-700064

विषय :-

डेडीकेटेड फ्रेड कोरीडोर द्वारा दानकुनी पश्चिम बंगाल से सोननगर सेक्शन निर्माण पूर्वी डेडीकेटेड के तहत कोडरमा Detour (PPP mode) से हजारीबाग तक (Detour Section) के निर्माण हेतु वन्यप्राणी प्रमण्डल, हजारीबाग के अन्तर्गत 82.80 हे० वनभूमि अपयोजन प्रस्ताव को भारत सरकार द्वारा प्रदत्त सैद्धांतिक सहमति (स्टेज-1) में लगायी गयी शर्तों का अनुपालन करने के संबंध में।

प्रसंग :-

इस कार्यालय का पत्रांक 495, दिनांक 11.03.2023

महाशय,

उपर्युक्त विषयक प्रासंगिक पत्र के संदर्भ में सूचित करना है कि वन (संरक्षण) अधिनियम, 1980 के तहत कुल 203.803 हे० वनभूमि अपयोजन के प्रस्ताव पर भारत सरकार के पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, क्षेत्रीय कार्यालय, रांची का पत्रांक FP/JH/Rail/18720/2016/3143, दिनांक 15.04.2019 द्वारा 19 शर्तों के साथ सैद्धांतिक सहमति प्रदान की गई है प्रदत्त स्वीकृति में भारत सरकार द्वारा लगाये गये शर्त सं०- 8b जो निम्नरूपेण उद्धृत है:-

(8b) In this regard, an Integrated Wildlife Action Plan comprising of mitigation and compensating measures (besides the structural mitigation measures i.e underpasses/..... Jharkhand for commencement of construction works.

के संदर्भ में आपके द्वारा समर्पित **Draft** Indicative Plan के आधार पर अनुमोदित राशि-3509.81 लाख रु० (पैतीस करोड नौ लाख ईक्कासी हजार) रुपये मात्र का मांग-पत्र समर्पित किया गया था। परन्तु आपके द्वारा प्रासंगिक पत्र 5181, दिनांक 14.12.2022 के द्वारा समर्पित Indicative Plan के Section-III में वर्णित बजट शीर्ष "Indicative Financial Projections for Intergated Wildlife Action Plan" में निहित वन विभाग के द्वारा कार्यान्वित किये जाने वाले कार्य हेतु अनुमोदित राशि - 4094.8344 लाख रुपया (चालीस करोड चौरानब्बे लाख तिरासी हजार चार सौ चालीस रुपया) मात्र को Jharkhand CAMPA, Account E-portal पर Online चालान के माध्यम से समर्पित करना सुनिश्चित करेंगे। पूर्व के मांग-पत्र को यथासंशोधित समझा जाय। प्रासंगिक पत्र के शेष निदेश यथावत् रहेंगे।

अतः आप Online चालान के माध्यम से Jharkhand CAMPA, Account E-portal के खाता में जमा करने संबंधी प्रमाण-पत्र इस कार्यालय को उपलब्ध कराना सुनिश्चित करेंगे, ताकि अग्रेतर कार्रवाई की जा सके।

विश्वासभाजन

(Signature)
14/03/2023

वन प्रमण्डल पदाधिकारी

वन्यप्राणी प्रमण्डल, हजारीबाग।

(Signature)
14/03/2023

SECTION II-1: PROPOSED INDICATIVE BUDGET FOR INTERVENTION IN HAZARIBAGH WEST FOREST DIVISION

Sl. no.	Name of the activity	Year wise Financial Targets (INR, in lakhs)										TOTAL
		1st Year	2nd Year	3rd Year	4th Year	5th Year	6th Year	7th Year	8th Year	9th Year	10th Year	
A	HABITAT MANAGEMENT											
I	Habitat enrichment											
	Habitat enrichment in degraded/ alien invasive weeds infested areas in and around IIZ by plantation of native fodder/ fruit bearing trees (no exotic/ foreign species to be planted since they have little ecological value), removal of alien invasive weeds and soil & moisture conservation (SMC) activities to improve habitat and forage base for wild life; exact locations and extents for each activity will be specified in the Final Integrated Wildlife Action Plan (IWAP) in consultation with individual DFOs and according to findings from WII's ongoing field surveys											
1	Plantation (Block/ Linear/ Bamboo/ Gabion/ RDF), including SMC work in open forests, empty lands or in areas where <i>Lantana camara</i> is removed, both on forest and non-forest land (preferably in animal corridors) in and around the IIZ; plantation activity includes removal of exotic/ invasive weeds like <i>Parthenium hysterophorus</i> , <i>Hyptis suaveolens</i> , <i>Chromolaena odorata</i> etc., however since removal of <i>Lantana camara</i> is a specialised activity, appropriate budget is provisioned separately for the same											
	Plantation : 1000 ha (approx.)	124.22 816	174.32 016	198.36 432	219.40 296	116.21 344	71.130 64	52.095 68	31.057 04	10.018 4	5.0092	1001.84
2	<i>Lantana camara</i> removal in heavily infested areas following best practices, removal must be followed by plantation and/ or other habitat restoration activity through appropriate budgetary provisions to avoid Lantana regrowth : 500 ha											
	1 st Year : 250 ha	23.35	—	—	—	—	—	—	—	—	—	23.35
	2 nd Year : 250 ha	—	23.35	—	—	—	—	—	—	—	—	23.35
3	SMC works (without plantation) in moderately dense forests, e.g. gully plugging, small series of check dam of loose boulders, silt retention dam & earthen check dam within IIZ for improvement in water regime : 500 ha	14.975	14.975	14.975	14.975	14.975	14.975	14.975	14.975	14.975	14.975	149.75
4	Silvicultural Operations (including SMC works): 500 ha	53.72	62.98	65.99	42.58	37.95	36.45	34.72	7.86	3.23	1.73	347.21
5	Salt lick near water bodies in forest and along railway track	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00

II	Management of Water											
6	Desilting, Renovation & Maintenance of water storage structures in and around IIZ (INR 1L/ unit for total 25 structures over 10 years)	3.00	2.00	3.00	2.00	3.00	2.00	3.00	2.00	3.00	2.00	25.00
7	Creation of a series of 6 new waterholes/ check dams within 500 m on either side of proposed mitigation structures & their maintenance within IIZ to encourage wildlife use (total 30 structures for 5 underpasses/ bridges @ INR 6.50L each structure)	65.00	65.00	65.00	–	–	–	–	–	–	–	195.00
8	Creation and maintenance of new water storage structures in impact areas/ villages in and around IIZ (total 40 units @ INR 1L each in case of waterholes or 15 units @ INR 2.575L each for water storage structure around villages, both subject to areas for construction being available and their siting supported by field research)	8.00	8.00	8.00	8.00	8.00	–	–	–	–	–	40.00
9	Creation and maintenance of check dams in project impact areas/ villages in and around IIZ (20 units @ INR 6.50L each structure)	26.00	26.00	26.00	26.00	26.00	–	–	–	–	–	130.00
III	Management of Shelter											
10	Forest fire prevention and mitigation											
a	Deployment of 20 fire-watchers/ fire-fighters in identified fire-prone zones in and around IIZ through JFMCs for four (04) months (February-May) in the fire season @ INR 9105.38/ person/ month (INR 9105.38 x 4 x 20 = 7.2843 L)	7.2843	7.2843	7.2843	7.2843	7.2843	7.2843	7.2843	7.2843	7.2843	7.2843	72.843
b	Purchase of modern fire-fighting and safety equipment such as heat-resistant goggles, fire-resistant gloves, chest guards, all-weather boots, headlights, water bottles, first aid kits, anti-fire blowers etc. for above appointed fire-watchers/ fire-fighters and for forest guards; separate budgetary provision such as <i>sattu</i> , <i>gur</i> (jaggery) and glucose etc. as added allowance for each personnel is also included	10.00	10.00	1.00	1.00	1.00	5.00	1.00	1.00	1.00	5.00	36.00

c	Accident insurance and/ or hospitalisation/ medical expenses for appointed fire-watchers in case of injury on duty (@ INR 2.5 K/ person/ annum and/ or need-based from total allocated budget)	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00
B	RESEARCH AND WILDLIFE MONITORING											
	The Research & Wildlife Monitoring Cell (including the Divisional GIS & Remote Sensing Cell) will hire personnel and undertake important activities such as Asian Waterfowl Count (AWC)/ wetland biodiversity surveys, regular assessment of animal and vegetation diversity, distribution & densities, forest-based livelihood and resource-dependence of local population, human-wildlife conflict, specific research on threatened flora and fauna, impact of railway line on distribution/ movement/ mortality of wild animals and on floristics in and around the IIZ, and regularly assess the efficacy of structural and non-structural mitigation measures, among other research and monitoring activities in consultation with the DFO, CCF (Wildlife), RCCF (Hazaribagh), IWAP Monitoring & Evaluation Committee											
11	Research Biologist @ consolidated INR 30K/ month (01 no.)	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	36.00
12	Research Interns @ consolidated stipend INR 15K/ month/ intern (02 nos.)	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	36.00
13	Divisional GIS and Remote Sensing Cell to study changes in vegetation, impact on water bodies and other conservation-related issues as part of the research and monitoring team's work											
a	RS & GIS Software licenses (purchase/ renewal), purchasing toposheets/ maps, desktop PC/ laptop, laser colour printer and related accessories	7.00	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	13.75
b	GIS expert @ consolidated INR 30K/ month (01 no.)	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	36.00
c	Computer operator @ consolidated INR 15K/ month (01 no.)	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	18.00
14	A set of equipment for research, monitoring, evaluation and patrolling purposes (2 hand-held cameras, 6 camera traps, 1 unmanned aerial vehicle, 2 pairs of binoculars/ night vision, 2 hand-held GPS units, 2 bearing compass and 2 range finder & smart sticks etc.)	6.00	–	–	–	–	1.50	–	–	–	–	7.50
C	WILDLIFE CONSERVATION ACTIVITY											
15	Quick Response Teams & Elephant trackers (including their welfare)											

a	QRT (Quick Response Team) for fire-fighting, man-animal conflict etc. with monthly remuneration of INR 9105.38 for 14 personnel (@ INR 9105.38 x 12 months x 14 personnel = 15.29703 L)	15.29703	15.29703	15.29703	15.29703	15.29703	15.29703	15.29703	15.29703	15.29703	15.29703	152.970384
b	Elephant-trackers (15 nos.) to follow and update year-round movement of five herds/ individual(s) of elephants with detailed record-keeping (avg. 3 persons/ herd) for 12 months/ year @ INR 9105.38/ person/ month (INR 9105.38 x 12 months x 15 personnel = 16.38968 L)	16.38968	16.38968	16.38968	16.38968	16.38968	16.38968	16.38968	16.38968	16.38968	16.38968	163.89684
c	Accident insurance and/ or hospitalisation/ medical expenses for appointed QRT members & elephant trackers in case of injury on duty (@ INR 5K/ person/ annum and/ or need-based from total allocated budget)	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	14.50
16	Rescue Centre for Hospitalisation/ Treatment of injured Wildlife + maintenance/ medical expenses	10.00	2.00	1.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	21.00
17	Veterinary Doctor @ consolidated INR 60K/ month (01 no.)	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20	72.00
18	Hazaribagh Provisional Vulture Safe Zone Activities (HpVSZ) for Vulture Conservation in and around IIZ, since these areas are within HpVSZ (MoEFCC 2020 – Action Plan for Vulture Conservation in India)	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	20.00
19	Purchase of handling/ rescue equipment like snake hook, snake bag, nets, different size cages etc. to combat man-animal conflict	2.00	–	–	–	2.00	–	–	–	2.00	–	6.00
D	ECO/ COMMUNITY DEVELOPMENT/ CAPACITY BUILDING											
20	Entry point work in project impact villages in and around IIZ as per identified requirement/ infrastructure gap (e.g. drinking water facilities, deep tube well with overhead tank, <i>chabutra</i> , community road repairing etc.)	12.00	12.00	12.00	12.00	12.00	10.00	10.00	10.00	10.00	10.00	110.00

21	Training for skill development programme and financial support/ follow up on income generating schemes, e.g. tailoring, repairing of mobile, pump set, apiary, piggery, duckery, mushroom cultivation etc. as per requirement by domain experts/ practitioners in project impact villages in and around IIZ; for this purpose, poor families and those with highest dependencies on forest resources must be identified to help wean away from forest resource use	10.0 0	10.0 0	10.0 0	10.0 0	10.0 0	8.00	8.00	6.00	6.00	6.00	84.00
22	Veterinary health care camps	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	20.00
23	Human health care camps	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	20.00
24	LPG connection/ refilling and/ or provision of improved and eco-friendly stoves/ <i>chullahs</i> in identified poor households with high forest resource dependence within IIZ (100 households, 1 cylinder/ 2 months @ INR 1000/ cylinder + improved stove cost)	10.0 0	10.0 0	8.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	70.00
E	WILDLIFE AWARENESS AND TRAINING PROGRAMME											
25	Bird watching/ nature walk/ distribution of life-size animal models, animal water bowls, wildlife books and other materials during awareness programmes on Wildlife Week, World Environment Day etc. in schools and colleges located in and around IIZ	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	10.00
26	Wildlife training (including in the use of equipment, basic animal/ vegetation survey protocols, in wildlife law/ policy etc.) and all-round awareness programmes by domain experts/ practitioners for forest staff/ JFMC/ Panchayat members, children, village level volunteers/ fire-fighting squad etc.	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	20.00
27	Capacity building of Forest Officers and Staff											
a	Exposure visits to Protected Areas within India to learn best practices of participative wildlife and forest management	1.00	–	1.00	–	1.00	–	1.00	–	1.00	–	5.00

b	Enrolment of one (01) forest officer of ACF rank and above into 10-month residential P.G. Diploma course in Advanced Wildlife Management conducted by WII, Dehradun	12.00	–	–	–	–	–	–	–	–	–	12.00
c	Enrolment of two (02) forest officers of RFO rank into 3-month residential Certificate course in Wildlife Management conducted by WII, Dehradun	–	8.00	–	–	–	–	–	–	–	–	8.00
28	Purchase of books and periodicals for library, office, book shelves etc.	–	0.50	–	0.25	–	0.25	–	0.25	–	0.25	1.50
29	Miscellaneous expenditure	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00
F	STRENGTHENING OF INFRASTRUCTURE FOR WILDLIFE CONSERVATION											
30	Maintenance of Community/ Training Hall at Barhi	–	–	1.50	1.50	1.50	2.50	1.50	1.50	1.50	1.50	13.00
31	Pilot set up of ANIDER in elephant-conflict prone areas in and around IIZ (10 units)	10.00	–	–	–	–	–	–	–	–	–	10.00
32	Maintenance & Running cost of Field Vehicles											
a	Maintenance & running/ fuel cost (including driver wages) of QRT field vehicle (1 no.)	2.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	29.00
b	Maintenance & running/ fuel cost (including driver wages) of field vehicle used for research & monitoring purposes, including evaluation of IWAP activities (1 no.)	2.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	29.00
c	Maintenance & running/ fuel cost of two-wheeler motorcycle (10 nos.) for patrolling and monitoring by forest staff	1.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	14.50
33	Construction of Watch Tower/ Tree Houses within the IIZ (4 units @ INR 10L each)	20.00	20.00	–	–	–	–	–	–	–	–	40.00
G	MISCELLANEOUS ACTIVITY											

34	Cost of mobile for frontline staff for better communication (fire watchers, QRT, elephant trackers etc.) (10 units @ INR 10K each, every fourth year)	1.00	–	–	–	1.00	–	–	–	1.00	–	3.00
35	Purchase of dragon torches, head lamps, better quality shoes, rain gear and patrolling kit, fire crackers etc. for frontline patrolling staff	5.00	5.00	0.50	0.50	0.50	5.00	5.00	0.50	0.50	0.50	23.00
H	IWAP MONITORING & EVALUATION											
36	Monitoring, Evaluation (including regular field visits by monitoring committee members with honorariums) and preparation of annual/ final report(s) overseeing implementation of the Integrated Wildlife Action Plan (all aspects) to be submitted to the CWLW, Jharkhand	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.50	11.50
SUB TOTAL		445.99 41824	534.09 61824	496.30 03424	490.17 89824	322.10 94624	244.77 66624	218.26 17024	162.11 30624	141.19 44224	135.43 52224	3190.4602 24
Cost Escalation @ 20% (Year 2 onwards)		NA	106.81 92365	99.260 06848	98.035 79648	64.421 89248	48.955 33248	43.652 34048	32.422 61248	28.238 88448	27.087 04448	548.89320 83
GRAND TOTAL (Sub Total + Cost Escalation)		445.99 41824	640.91 54189	595.56 04109	588.21 47789	386.53 13549	293.73 19949	261.91 40429	194.53 56749	169.43 33069	162.52 22669	3739.3534 32

NOTE: Activities & Financial outlay may be amended/ revised during final submission of IWAP based on findings from detailed biodiversity assessments and socio-eco surveys currently being undertaken by WII

SECTION II-3: PROPOSED INDICATIVE BUDGET FOR INTERVENTION IN HAZARIBAGH WILD LIFE DIVISION

Sl. No.	Name of the activity	Year wise Financial Targets (INR, in lakhs)										
		1 st Year	2 nd Year	3 rd Year	4 th Year	5 th Year	6 th Year	7 th Year	8 th Year	9 th Year	10 th Year	TOTAL
A	HABITAT MANAGEMENT											
I	Habitat Enrichment											
	Habitat enrichment in degraded/ alien invasive weeds infested areas in and around IIZ by plantation of native fodder/ fruit bearing trees (no exotic/ foreign species to be planted since they have little ecological value), removal of alien invasive weeds and soil & moisture conservation (SMC) activities to improve habitat and forage base for wild life; exact locations and extents for each activity will be specified in the Final Integrated Wildlife Action Plan (IWAP) in consultation with individual DFOs and according to findings from WII's ongoing field surveys											
1	Plantation (Block/ Linear/ Bamboo/ Gabion/ RDF), including SMC work in open forests, empty lands or in areas where <i>Lantana camara</i> is removed, both on forest and non-forest land (preferably in animal corridors) in and around the IIZ; plantation activity includes removal of exotic/ invasive weeds like <i>Parthenium hysterophorus</i> , <i>Hyptis suaveolens</i> , <i>Chromolaena odorata</i> etc., however since removal of <i>Lantana camara</i> is a specialised activity, appropriate budget is provisioned separately for the same											
	Plantation : 1250 ha (approx.)	155.28 52	217.90 02	247.95 54	274.25 37	145.26 68	88.913 3	65.119 6	38.821 3	12.523	6.2615	1252.30
2	<i>Lantana camara</i> removal in heavily infested areas following best practices, removal must be followed by plantation and/ or other habitat restoration activity through above budgetary provision to avoid Lantana regrowth : 1250 ha											
	1 st Year : 500 ha	46.70	—	—	—	—	—	—	—	—	—	46.70
	2 nd Year : 500 ha	—	46.70	—	—	—	—	—	—	—	—	46.70
	3 rd Year : 250 ha	—	—	23.35	—	—	—	—	—	—	—	23.35
3	Grassland Development and its maintenance within IIZ in and around Gautam Buddha and Koderma sanctuaries	25.00	5.00	5.00	5.00	5.00	25.00	5.00	5.00	5.00	5.00	90.00
4	SMC works (without plantation) in moderately dense forests, e.g. gully plugging, small series of check dam of loose boulders, silt retention dam & earthen check dam within IIZ for improvement in water regime : 500 ha	14.975	14.975	14.975	14.975	14.975	14.975	14.975	14.975	14.975	14.975	149.75
5	Salt lick near water bodies in forest	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00
II	Management of Water											

6	Desilting, Renovation & Maintenance of water storage structures in Gautam Buddha and Koderma sanctuaries (INR 1L/ unit for total 25 structures over 10 years)	3.00	2.00	3.00	2.00	3.00	2.00	3.00	2.00	3.00	2.00	25.00
7	Creation of a series of 6 new waterholes/ check dams within 500 m on either side of proposed mitigation structures & their maintenance within IIZ to encourage wildlife use (total 30 structures for 5 underpasses/ bridges @ INR 6.50L each structure)	65.00	65.00	65.00	–	–	–	–	–	–	–	195.00
8	Creation and maintenance of new water storage structures in impact areas/ villages in and around Gautam Buddha and Koderma sanctuaries (total 50 units @ INR 1L each in case of waterholes or 20 units @ INR 2.575L each for water storage structure around villages, both subject to areas for construction being available and their siting supported by field research)	10.00	10.00	10.00	10.00	10.00	–	–	–	–	–	50.00
9	Creation and maintenance of check dams in project impact areas/ villages in and around Gautam Buddha and Koderma sanctuaries (20 units @ INR 6.50L/ unit)	26.00	26.00	26.00	26.00	26.00	–	–	–	–	–	130.00
III	Management of Shelter											
10	Forest fire prevention and mitigation											
a	Deployment of 20 fire-watchers/ fire-fighters in identified fire-prone zones in and around Gautam Buddha and Koderma sanctuaries through EDCs for four (04) months (February-May) in the fire season @ INR 9105.38/ person/ month (INR 9105.38 x 4 x 20 = 7.2843 L)	7.2843	7.2843	7.2843	7.2843	7.2843	7.2843	7.2843	7.2843	7.2843	7.2843	72.84304
b	Purchase of modern fire-fighting and safety equipment such as heat-resistant goggles, fire-resistant gloves, chest guards, all-weather boots, headlights, water bottles, first aid kits, anti-fire blowers etc. for above appointed fire-watchers/ fire-fighters and for forest guards; separate budgetary provision such as <i>sattu</i> , <i>gur</i> (jaggery) and glucose etc. as added allowance for each personnel is also included	10.00	10.00	1.00	1.00	1.00	5.00	1.00	1.00	1.00	5.00	36.00

c	Accident insurance and/ or hospitalisation/ medical expenses for appointed fire-watchers in case of injury on duty (@ INR 2.5 K/ person/ annum and/ or need-based from total allocated budget)	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00
B	RESEARCH AND WILDLIFE MONITORING											
	The Research & Wildlife Monitoring Cell (including the Divisional GIS & Remote Sensing Cell) will hire personnel and undertake important activities such as Asian Waterfowl Count (AWC)/ wetland biodiversity surveys, regular assessment of animal and vegetation diversity, distribution & densities, forest-based livelihood and resource-dependence of local population, human-wildlife conflict, specific research on threatened flora and fauna, impact of railway line on distribution/ movement/ mortality of wild animals and on floristics of the impact zone (Gautam Buddha and Koderma sanctuaries), and regularly assess the efficacy of structural and non-structural mitigation measures, among other research and monitoring activities in consultation with the DFO, CCF (Wildlife), RCCF (Hazaribagh), IWAP Monitoring & Evaluation Committee											
11	Research Biologist @ consolidated INR 30K/ month (1 no.)	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	36.00
12	Sociologist/ Anthropologist/ Biologist @ consolidated INR 30K/ month (1 no.)	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	36.00
13	Research Interns @ consolidated stipend INR 15K/ month/ intern (2 nos.)	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	36.00
14	Divisional GIS and Remote Sensing Cell to study changes in vegetation, impact on water bodies and other conservation-related issues as part of the research and monitoring team's work											
a	RS & GIS Software licenses (purchase/ renewal), purchasing toposheets/ maps, desktop PC/ laptop, laser colour printer and related accessories	10.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	19.00
b	GIS expert @ consolidated INR 30K/ month (1 no.)	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	36.00
c	Computer operator @ consolidated INR 15K/ month (1 no.)	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	18.00
15	A set of equipment for research, monitoring, evaluation and patrolling purposes (5 hand-held cameras, 2 unmanned aerial vehicles, 10 camera traps, 5 pairs of binoculars/ night vision, 10 hand-held GPS units, 5 bearing compass and 5 range finder & smart sticks etc.)	10.00	—	—	—	—	2.5	—	—	—	—	12.50
C	WILDLIFE CONSERVATION ACTIVITY											
16	Quick Response Teams & Elephant trackers (including their welfare)											

a	QRT (Quick Response Team) for fire-fighting, man-animal conflict etc. with monthly remuneration of INR 9105.38 for 14 personnel (@ INR 9105.38 x 12 months x 14 personnel = 15.29703 L)	15.29703	15.29703	15.29703	15.29703	15.29703	15.29703	15.29703	15.29703	15.29703	15.29703	152.9703
b	Elephant-trackers (12) to follow and update year-round movement of four herds/ individual(s) of elephants with detailed record-keeping (avg. 3 persons/ herd) for 12 months/ year @ INR 9105.38/ person/ month (INR 9105.38 x 12 months x 12 personnel = 13.11174 L)	13.11174	13.11174	13.11174	13.11174	13.11174	13.11174	13.11174	13.11174	13.11174	13.11174	131.11747
c	Accident insurance and/ or hospitalisation/ medical expenses for appointed QRT members & elephant trackers in case of injury on duty (@ INR 5K/ person/ annum and/ or need-based from total allocated budget)	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	13.00
17	Rescue Centre for Hospitalisation/ Treatment of injured Wildlife + maintenance/ medical expenses	10.00	2.00	1.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	21.00
18	Veterinary Doctor @ consolidated INR 60K/ month (1 no.)	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20	72.00
19	Hazaribagh Provisional Vulture Safe Zone Activities (HpVSZ) for Vulture Conservation in and around Gautam Buddha and Koderma sanctuaries, since these areas are within HpVSZ (MoEFCC 2020 – Action Plan for Vulture Conservation in India)	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	20.00
20	Purchase of handling/ rescue equipment like snake hook, snake bag, nets, different size cages etc. to combat man-animal conflict	2.00	–	–	–	2.00	–	–	–	2.00	–	6.00
21	Site-specific elephant/ wildlife conflict mitigation measures in and around Gautam Buddha and Koderma sanctuaries to support EDCs/ victims of man-animal negative interactions	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	15.00
D	ECO/ COMMUNITY DEVELOPMENT/ CAPACITY BUILDING											
22	Entry point work in project impact villages in and around Gautam Buddha and Koderma sanctuaries as per requirement (e.g. drinking water facilities, deep tube well with overhead tank, <i>chabutra</i> , community road repairing etc.)	10.00	10.00	10.00	10.00	10.00	7.50	7.50	7.50	7.50	7.50	87.50

23	Training for skill development programme and financial support/ follow up on income generating schemes, e.g. tailoring, repairing of mobile, pump set, apiary, piggery, duckery, mushroom cultivation etc. as per requirement by domain experts/ practitioners in project impact villages in and around Gautam Buddha and Koderma sanctuaries; for this purpose, poor families and those with highest dependencies on forest resources must be identified to help wean away from forest resource use	15.00	15.00	15.00	15.00	15.00	10.00	10.00	8.00	8.00	8.00	119.00
24	Sports and IT equipment to schools in and around Gautam Buddha and Koderma sanctuaries to promote/ encourage modern and all-round education in schools; this should also include introducing a short environment module/ course facilitated by experts with field visits for children and young adults	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	15.00
25	Veterinary health care camps	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	20.00
26	Human health care camps	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	20.00
27	LPG connection/ refilling and/ or provision of improved and eco-friendly stoves/ chullahs in identified poor households with high forest resource dependence within IIZ (100 households, 1 cylinder/ 2 months @ INR 1000/ cylinder + improved stove cost)	10.00	10.00	8.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	70.00
E	WILDLIFE AWARENESS AND TRAINING PROGRAMME											
28	Bird watching/ nature walk/ distribution of life-size animal models, animal water bowls, wildlife books and other materials during awareness programmes on Wildlife Week, World Environment Day etc. in schools and colleges located in and around Gautam Buddha and Koderma sanctuaries	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	15.00
29	Wildlife training (including in the use of equipment, basic animal/ vegetation survey protocols, in wildlife law/ policy etc.) and all-round awareness programmes for forest staff/ EDC/ Panchayat members, children, village level volunteers/ fire-fighting squad etc.	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	25.00
30	Capacity building of Forest Officers and Staff											

a	Exposure visits to Protected Areas within India to learn best practices of participative wildlife and forest management	1.00	–	1.00	–	1.00	–	1.00	–	1.00	–	5.00
b	Enrolment of one (01) forest officer of ACF rank and above into 10-month residential P.G. Diploma course in Advanced Wildlife Management conducted by WII at Dehradun	12.00	–	–	–	–	–	–	–	–	–	12.00
c	Enrolment of two (02) forest officers of RFO rank into 3-month residential Certificate course in Wildlife Management conducted by WII at Dehradun	–	8.00	–	–	–	–	–	–	–	–	8.00
31	Purchase of books and periodicals for NIC library	1.00	0.25	0.25	0.25	0.25	0.25	0.25	1.00	0.25	0.25	4.00
32	Miscellaneous expenditure	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00
F	STRENGTHENING OF INFRASTRUCTURE FOR WILDLIFE CONSERVATION											
33	Management of "Nature Interpretation Centre" (NIC)											
a	Office Staff/ Manager for @ INR 20K/ month (1 no.)	–	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	21.60
b	Operator/ Helper/ Assistant @ INR 18K/ month (1 no.)	–	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	19.44
c	Security personnel for NIC @ INR 15K/ month/ person (2 nos.)	–	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	32.40
d	Cook @ INR 15K/ month (1 no.)	–	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	16.20
e	Cleaner @ INR 10K/ month (1 no.)	–	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	10.80
f	Other running cost for organising programmes & day to day activities as per requirement	–	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	9.00
34	Construction of Watch Tower/ Tree Houses within the IIZ (10 units @ INR 10L each)	40.00	40.00	20.00	–	–	–	–	–	–	–	100.00
35	Maintenance & Running cost of Field Vehicles											
a	Maintenance & running/ fuel cost (including driver wages) of QRT field vehicle (1 no.)	2.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	29.00

b	Maintenance & running/ fuel cost (including driver wages) of field vehicle used for research & monitoring purposes, including evaluation of IWAP activities (1 no.)	2.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	29.00
c	Maintenance & running/ fuel cost of two-wheeler motorcycle (15 nos.) for patrolling and monitoring by forest staff	1.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	24.00
G	MISCELLANEOUS ACTIVITY											
36	Cost of mobile for frontline staff for better communication (fire watchers, QRT, elephant trackers etc.) (15 units @ INR 10K each, every fourth year)	1.50	–	–	–	1.50	–	–	–	1.50	–	4.50
37	Purchase of dragon torches, head lamps, better quality shoes, rain gear and patrolling kit, fire crackers etc. for frontline patrolling staff	7.50	–	–	–	–	7.50	–	–	–	–	15.00
38	Documentary preparation/ Film making etc. of the proposed work and monitoring/ evaluation efforts	–	5.00	–	–	–	–	–	–	5.00	–	10.00
H	IWAP MONITORING & EVALUATION											
39	Monitoring, Evaluation (including regular field visits by monitoring committee members with honorariums) and preparation of annual/ final report(s) overseeing implementation of the Integrated Wildlife Action Plan (all aspects) to be submitted to the CWLW, Jharkhand	1.50	1.50	1.50	1.50	1.50	2.50	1.50	1.50	1.50	3.00	17.50
SUB TOTAL		502.85 33	585.87 83	549.58 35	528.53 18	340.04 49	270.69 14	212.89 77	183.34 94	166.80 11	155.53 96	3496.170 896
Cost Escalation @ 20% (Year 2 onwards)		NA	117.17 57	109.91 67	105.70 64	68.008 98	54.138 28	42.579 54	36.669 88	33.360 22	31.107 92	598.6635 213
GRAND TOTAL (Sub Total + Cost Escalation)		502.85 33	703.05 39	659.50 02	634.23 81	408.05 39	324.82 97	255.47 72	220.01 93	200.16 13	186.64 75	4094.834 417

NOTE: Activities & Financial outlay may be amended/ revised during final submission of IWAP based on findings from detailed biodiversity assessments and socio-eco surveys currently being undertaken by WII

SECTION III: SUMMARY OF FINANCIAL PROJECTIONS (INDICATIVE) FOR INTEGRATED WILDLIFE ACTION PLAN (IWAP) OF KODERMA DETOUR PROJECT, DFCCIL, JHARKHAND FOR HAZARIBAGH WEST FOREST DIVISION, KODERMA FOREST DIVISION AND HAZARIBAGH WILDLIFE DIVISION

Sl. No.	ACTIVITY	Proposed Budget for DFO, Hazaribagh West Division (INR in lakh)	Proposed Budget for DFO, Koderma Forest Division (INR in lakh)	Proposed Budget for DFO, Hazaribagh Wildlife Division (INR in lakh)	TOTAL (INR in lakh)
1	2	3	4	5	6
A	HABITAT MANAGEMENT				
	I. Habitat Enrichment	1550.503	1436.78	1613.80	4601.083
	II. Management of Water	390.00	390.00	400.00	1180.00
	III. Management of Shelter	113.843	113.843	113.843	341.529
B	RESEARCH & WILDLIFE MONITORING	147.25	149.75	193.50	490.50
C	WILDLIFE CONSERVATION ACTIVITY	450.367	362.529	431.088	1243.984
D	ECO/ COMMUNITY DEVELOPMENT/ CAPACITY BUILDING	304.00	254.00	331.50	889.50
E	WILDLIFE AWARENESS AND TRAINING PROGRAMME	61.50	60.00	74.00	195.50
F	STRENGTHENING OF INFRASTRUCTURE FOR WILDLIFE CONSERVATION	135.50	133.00	291.44	559.94
G	MISCELLANEOUS ACTIVITY	26.00	61.00	29.50	116.50
H	IWAP MONITORING & EVALUATION	11.50	11.50	17.50	40.50
Sub-total		3190.4602	2972.4021	3496.1709	9569.033
Cost Escalation @ 20%		548.8932	506.5865	598.6635	1654.143
GRAND TOTAL (Sub-total + Cost Escalation)		3739.3534	3478.9886	4094.8344	11313.176

Total Proposed Budget: INR 11,313.176 lakh

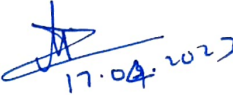
UNDERTAKING

Name of the project: - Diversion of 203.803 Ha. of forest land for construction of Dedicated Freight Corridor in Hazaribag district of Jharkhand

District: - Hazaribagh

Division: Hazaribagh West Division (121.003 ha) & Hazaribagh Wildlife Division (82.8 ha).

We hereby give undertaking that DFCCIL will pay the differential amount (if any) due to finalization of Integrated Wildlife Action Plan.


(Ajay Kumar)

General Manager/Co-ordination
Dedicated Freight Corridor Corporation of India Limited
DCOS Building, 3rd Floor, Central Park Depot of
East-West Corridor, Salt Lake, Sector-I Kolkata-700064

महाप्रबंधक / समन्वय
GENERAL MANAGER / Co-ordination
डेडीकेटेड फ्रेट कोरिडोर कॉर्पोरेशन ऑफ इंडिया लि.
Dedicated Freight Corridor Corporation of India Limited
भारत सरकार (रेल मंत्रालय) का उपक्रम
A Govt. of India (Ministry of Railways) Enterprise
कोलकाता / KOLKATA