

## कार्यालय : प्रधान मुख्य वन संरक्षक—सह—कार्यकारी निदेशक, बंजर भूमि विकास बोर्ड, झारखंड, राँची।

वन भवन, डोरण्डा, राँची, झारखंड, पिन-834002, Email: pccfednodal@gov.in पत्रांक :- 147 दिनांक :- 15/2/2024

सेवा में,

प्रधान सचिव, वन, पर्यावरण एवं जलवायु परिवर्तन विभाग, झारखण्ड सरकार, राँची।

विषय :-

सी०सी०एल० द्वारा चन्द्रगुप्त खुली खदान कोल परियोजना हेतु 699.38 हे० (चतरा दक्षिणी वन प्रमंडल अन्तर्गत— 400.96 हे० एवं हजारीबाग पश्चिमी वन प्रमंडल अन्तर्गत—298.42 हे०) वन भूमि अपयोजन प्रस्ताव (FP/JH/MIN/140599/2021) के संबंध में।

प्रसंग :-

- 1. भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, नई दिल्ली का पत्रांक 8-24/2023-FC दिनांक 22.09.2023
- 2. क्षेत्रीय मुख्य वन संरक्षक, हजारीबाग का पत्रांक 258 दिनांक 05.02.2024

महाशय,

उपर्युक्त विषयक संदर्भ में सूचित करना है कि भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, नई दिल्ली के प्रसंगिक पत्र—1 द्वारा सी०सी०एल० के चन्द्रगुप्त खुली खदान कोल परियोजना हेतु 699.38 हे० (चतरा दक्षिणी वन प्रमंडल अन्तर्गत 400.96 हे० एवं हजारीबाग पश्चिमी वन प्रमंडल अन्तर्गत 298.42 हे०) वनभूमि अपयोजन प्रस्ताव में पन्द्रह बिन्दुओं पर पृच्छा की गई है। उक्त पृच्छा का बिन्दुवार निराकरण प्रतिवेदन क्षेत्रीय मुख्य वन संरक्षक, हजारीबाग के पत्रांक 258 दिनांक 05.02.2024 (छायाप्रति संलग्न) द्वारा प्राप्त हुआ है।

क्षेत्रीय मुख्य वन संरक्षक, हजारीबाग के प्रतिवेदनानुसार निराकरण निम्नवत् प्रतिवेदित है :-

SI. No.	Queries raised by GoI	Compliance Status
1	2	. 3
(i)	As Schedule-I species have been reported in the area and DFO also mentioned the fragmentation of wildlife habitat, comments of PCCF (Wildlife) and CWLW Jharkhand on the likely impact of the project on the movement of wildlife in general and elephant in particular needs to be furnished by the State. Further, comments may also be furnished on the adequacy of mitigation measures like Site Specific Wildlife Management Plan or Comprehensive Integrated Wildlife Management proposed for the area.	also, being a good habitat of many wild animals, shall definitely bear some impact on wild animals inhabiting the area for which a Wildlife Management Plan shall be required. The Asian Elephant, the endangered one, through do not reside in the proposed area permanently, they visit these areas every year in search food and fodder and damage the crops, houses etc.,  In order to minimize the impact of the proposed mining operation on the environment, it is considered absolutely necessary to prepare a site-specific wildlife management plan and implement it at the expense of the user agency in order to accept the proposed proposal.  The comments on adequacy of mitigation measures shall be made after receipt of such mitigation plans prepared as compliance of in-principle approval.  In this regard, the user agency has submitted a certificate of Undertaking. (Enclosed as annexure-III)  Annexure-I, II & III
(ii)	The authorities in the State Forest Department have recommended	The plans as recommended by State Forest department along with their tentative cost, time required for preparation and duration of implementation is given as under

SI.	Queries raised by GoI	Compliance Status							
No.	preparation of various Plans and their	Plans	Tentative cost (In Rs)	Time required for Preparation	Duration of Implementation				
	implementation either before or concurrently with the mining	Wildlife Management Plan	35-45 Crore	One month after grant of In-principle approval	Over a period of 10 years of operation				
	operations. Detail of such plans, in tabular form indicating clearly against	Soil & Moisture Conservation Plan	25-35 Crore	One month after grant of In-principle approval	Over a period of 10 years of operation				
	them, their tentative cost, time required for preparation and duration	Top soil management	25-35 Crore	One month after grant of In-principle approval	Over a period of 10 years of operation				
(iii)	of implementation, etc. need to be furnished by the State.  In online Part-II, it has been reported that the proposed forest land is moderately vulnerable to erosion. Therefore, mitigation measures in this regard needs submission.	plans on actual con actual br 2. In this re Undertak	ce In-princ ost shall be eaking/ non egard, the u king. (Enclo	iple approval is granted deposited in CAN forestry use of the foliaser agency has submosed as annexure-III	nitted a certificate of				
(iv)	Cost benefit Ratio has been estimated as 1:81.92 which is exorbitantly high. The analysis may be revisited by the user agency by applying appropriate economic tools to accurately estimate the various parameters and detailed analysis thereof may be submitted to the Ministry.	Analysis in lig regard dated 00	ght of guid 5-01-2022.	elines issued by Mic Enclosed as annexure	e-V				
(v)	- u o c	Block boundar comes to be diversion proportion and the against the 2.5 The afforestate certificate, Kindemarcated states and Kindemarcated states	ary as Prop 2.9 Ha w posal. y afforestate een identific 9 Ha of safe ation schem ML file of 1 eparately in	ion plan over double of for 1400 Ha which ty zone.  e of entire 1400 Ha (who have the control of	orest all along the Coal he area of safety zone 38 Ha of forest land de degraded forest land also includes CA area along with suitability ich includes 5.8 Ha CA against 2.9 Ha safety re enclosed in the form VI.				
(v	i) From the purpose-wise b	reakup of forest	land, the fol	lowing may be ascert	ained:				
(a	An area of 0.14 ha ha been proposed for diversion of Nadi/nalla The status of feasibilit reports for said diversion along with comments of	meand been user a Diversion pr	der notch o submitted b gency in the oposal has	been recommended by	and straightening of the ded by IIT Roorkee has (The DPR enclosed be exure-VII)  y Chief Engineer (Water for issuance of NOC entry of Water Resource)				

Queries raised by GoI									
feasibility of said proposed diversion needs									
forest land has been proposed for infrastructure while only	submitted Form-A has been revised by the User Agency with a to reduce forest land for infrastructural components. The earlied proposed land-use is given below:								ith a view
proposed in non-forest land. The State Government may	S	Earlier Land	Forest	Non- Forest	Total	Forest	Non- Fores	Total Area	% Change in Forest
therefore assess the				Land	(in Ha)	Constants	Land	Ha)	Land
				_					(3-6)/3
infrastructural components and possibility to shift non-	2	Infrastruct ure (Field Workshop, Substation etc)	13.94	2.30	16.24	0.00	11.56	11.56	- 52 % - 100 %
to the non-forest land.	3	Road, bridge, culvert	4.38	14.20	18.58	4.38	14.20	18.58	0
		Total	27.62	22.02	49.64	8.83	29.17	38.00	-68 %
earmarked for safety zone. Rationalize for including green belt area in the project which could otherwise be excluded from the project and be managed by the Forest Department. Considered view of the State Government in this regard needs to be furnished	3)  It is depart by min violation in violation in violation.	condition mtrs shall the statuto public roa Regulation barriers is to enhanc footprint. S The User A maintain m land falling Also the U green belt a evident from timent to m ining activi ew of this,	of the I be develop be a 2017. develop e the Such gree Agency in a bove as part of a above anage to ties and it is present a specific and it is present a specifi	loped all ers against to As a best and plantation belts that it the property is that it the interestatutor oposed	roval, be a la along inst surficient be ma est prace maintain on covers also furmitted the continuity of the continuity of the continuity of the covering properties to maintain metals.	elt of very disparcels ctions a natain th	vidth ne lease tures li las peasure, Green I decreas wind area is did to divide they have for dust fficult of fore gainst see ese par	ot less area. The rive er Coathe area area area area. The rive er Coathe area area area area area area area ar	than 7.5 his apart r, nallah al Mines ea left as ch a view e carbon quired to ire forest bounded features.
	Department on the feasibility of said proposed diversion needs to be informed by the State.  An area of 13.94 ha of forest land has been proposed for infrastructure while only 2.3 ha only has been proposed in non-forest land. The State Government may therefore assess the legitimacy of site-specificity of various infrastructural components and possibility to shift non-site-specific components to the non-forest land.  A total forest land of 36.82 ha of forest land has been proposed for Green belt which is in addition to 2.9 ha of forest land earmarked for safety zone. Rationalize for including green belt area in the project which could otherwise be excluded from the project and be managed by the Forest Department. Considered view of the State Government in this regard	Department on the feasibility of said proposed diversion needs to be informed by the State.  An area of 13.94 ha of forest land has been proposed for infrastructure while only 2.3 ha only has been proposed in non-forest land. The State Government may therefore assess the legitimacy of site-specificity of various infrastructural components and possibility to shift non-site-specific components to the non-forest land.  A total forest land of 36.82 ha of forest land has been proposed for Green belt which is in addition to 2.9 ha of forest land earmarked for safety zone. Rationalize for including green belt area in the project which could otherwise be excluded from the project and be managed by the Forest Department. Considered view of the State Government in this regard needs to be furnished  Department on the forest land of 36.82 ha of forest land has been proposed for Green belt which is in addition to 2.9 ha of forest land earmarked for safety zone. Rationalize for including green belt area in the project which could otherwise be excluded from the project and be managed by the Forest Department. Considered view of the State Government in this regard needs to be furnished  4)  It is depart by many therefore a said to represent the said to represent the forest land and the said the	Department on the feasibility of said proposed diversion needs to be informed by the State.  An area of 13.94 ha of forest land has been proposed for infrastructure while only 2.3 ha only has been proposed in non-forest land. The State Government may therefore assess the legitimacy of site-specificity of various infrastructural components and possibility to shift non-site-specific components to the non-forest land.  A total forest land of 36.82 ha of forest land has been proposed for Green belt which is in addition to 2.9 ha of forest land earmarked for safety zone. Rationalize for including green belt area in the project which could otherwise be excluded from the project and be managed by the Forest Department. Considered view of the State Government in this regard needs to be furnished  Department has been but and of submitted Form to reduce forest proposed land-  Earlier Lane  S Component  S Component  I CHP  Infrastructure ure (Field  2 Workshop, Substation etc)  Road, 3 bridge, culvert  Total  The plan is enci  1) The locating is bounded all the form difficult by the statuto public road Regulation barriers is to enhance footprint. Secondition mitters have submitted Form to reduce forest proposed land-  2 The User condition mitters shall the form to be managed by the Forest Department. Considered view of the State Government in this regard needs to be furnished  A total forest land of 36.82 ha of forest land has been proposed for Green belt which is in addition to 2.9 ha of forest land has been proposed for Green belt which is in addition to 2.9 ha of forest land earmarked for safety zone. Rationalize for including green belt area in the project which could otherwise be excluded from the project and be managed by the Forest Department. Considered view of the State Government in this regard needs to be furnished	Department on the feasibility of said proposed diversion needs to be informed by the State.  An area of 13.94 ha of forest land has been proposed for infrastructure while only 2.3 ha only has been proposed in non-forest land. The State Government may therefore assess the legitimacy of site-specificity of various infrastructural components and possibility to shift non-site-specific components to the non-forest land.  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Considered view of the State Government in this regard needs to be furnished  Department has been enclosed by Mometric for submitted Form-A has been roto reduce forest land dor or infrastructural submitted Form-A has been roto reduce forest land for infrastructural to reduce forest land dor land-use is given belt as perticulated Form-A has been roto reduce forest land dor infrastructural with reduce for submitted Form-A has been roto reduce forest land for infrastructural land-use is given belt as perticulated Form-A has been roto reduce forest land for infrastructural with reduce forest land for infrastructural land-use is given belt as perticulation for infrastructural land land-use is given belt as part of unfrastructural land for infrastructural foreduce forest land for infrastructural foreduce forest land for infrastructural land land-use is given belt as perticulation for reduce forest land for infrastructural foreduce forest land for infrastructural foreduce forest land for infrastructural foreduce forest land for infrastructural for reduce forest land for infrastructural forest land for infrastructural forest land for infrastructural forest land for infrastructural for reduce forest land for infrastructu	Department on the feasibility of said proposed diversion needs to be informed by the State.  An area of 13.94 ha of forest land has been proposed for infrastructure while only 2.3 ha only has been proposed in non-forest land. The State Government may therefore assess the legitimacy of site-specificity of various infrastructural components and possibility to shift non-site-specific components to the non-forest land.  A total forest land of 36.82 ha of forest land darmarked for safety zone. Rationalize for including green belt area in the project which could otherwise be excluded from the project and be managed by the Forest Department. Considered view of the State Government in this regard needs to be furnished  Department has been enclosed by user for submitted Form-A has been revised be to reduce forest land for infrastructural submitted Form-A has been revised be to reduce forest land for infrastructure.  S Component Forest Land - Use for Infrastructure  Earlier Land-Use for Infrastructure  Earlier Land-Use for Infrastructure  S Component Forest Land - Forest Land workshop, Substation et Plants and possibility to shift non-site-specific components to the non-forest land of 36.82 ha of forest land has been proposed for Green belt which is in addition to 2.9 ha of forest land darmarked for safety zone. Rationalize for including green belt area in the project which could otherwise be excluded from the project and be managed by the Forest Department. Considered view of the State Government in this regard needs to be furnished  1) The location map of the project so be managed by the Forest Department condition of the EC approval, be mits shall be developed all along the statutory barriers against surfuction of the EC approval, be managed by the Forest Department to manage the plantation cover footprint. Such green belts also furnished the maintain mine boundary in continual falling within the project bour formation and statutory restricts and statutory restricts and statutory restricts and statutory restricts and	Department on the feasibility of said proposed diversion needs to be informed by the State.  An area of 13.94 ha of forest land has been proposed for infrastructure while only 2.3 ha only has been proposed in non-forest land. The State Government may therefore assess the legitimacy of site-specificity of various infrastructural components and possibility to shift non-site-specific components to the non-forest land.  A total forest land of 36.82 ha of forest land abeen proposed for Green belt which is in addition to 2.9 ha of forest land abeen proposed for Green belt which is in addition to 2.9 ha of forest land abramarked for safety zone. Rationalize for including green belt area in the project which could otherwise be excluded from the project and be managed by the Forest Department. Considered view of the State Government in this regard needs to be furnished  Department has been enclosed by user agency for MOEFCC, the land-use submitted Form-A has been revised by the U to reduce forest land for infrastructural comproposed land-use is given below:  Earlier Land-Use for Infrastructure  Revise forest land July 12 and Forest Land Land Land (Inand Land (Inand Land Land Land Land Land Land Land	Department on the feasibility of said proposed diversion needs to be informed by the State.  An area of 13.94 ha of forest land has been proposed for for infrastructure while only 2.3 ha only has been proposed in non-forest land. The State Government may therefore assess the legitimacy of site-specificity of various infrastructural components and possibility to shift non-site-specific components to the non-forest land.  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The State Government may therefore assess the legitimacy of site-specificity of various infrastructural components and possibility to shift non-site-specific components to the non-forest land.  A total forest land and seen proposed for received from the project and be managed by the Forest Department. Considered view of the State Government in this regard needs to be furnished  Department has been enclosed by user agency as Annexure for MOEFCC, the land-use proposed in the submitted Form-A has been revised by the User Agency we to reduce forest land for infrastructural components. The eight proposed land-use is given below:  Earlier Land-Use for Infrastructure  Earlier Land-Use for Infrastructure

SI.	Queries raised by GoI	Compliance Status
(d)	Details of area proposed for dumping of overburden is not available in the purposewise breakup. Comments in this regard may be provided by the State Government.	CHANDRAGUPT OCP  CONTRACT ALL LEACH OLD TOURS ARY PRICES  THOMPS ALL LEACH OLD TOURS ARY PRICES  THOMPS AND ALL LEACH OLD TOURS ARE PRICES  THE PRICES AND ALL LEACH OLD TOURS ARE PRICES  THE PRICES AND ALL LEACH OLD TOURS ARE PRICES  THE PRICES AND ALL LEACH OLD TOURS ARE PRICES  THE PRICES AND ALL LEACH OLD TOURS ARE PRICES  THE PRICES AND ALL LEACH OLD TOURS ARE PRICES  THE PRICES AND ALL LEACH OLD TOURS ARE PRICES  THE PRICES AND ALL LEACH OLD TOURS ARE PRICES  THE PRICES AND ALL LEACH OLD TOURS ARE PRICES  THE PRICES AND ALL LEACH OLD TOURS ARE PRICES  THE PRICES AND ALL LEACH OLD TOURS ARE PRICES  THE PRICES AND ALL LEACH OLD TOURS ARE PRICES  THE PRICES AR
		<ol> <li>The User Agency has submitted that,</li> <li>Chandragupta OCP mine has been planned in a sustainable manner and &gt;95% of OB will be dumped internally so as to minimize the land degradation to the minimum extent possible.</li> <li>Total volume of overburden expected to be generated in Chandragupta OCP is 995.34 Mn cum. Out of this, 946.96 Mn cum (=95%) is proposed as internal dump without affecting any external surface area other than the quarry itself.</li> <li>Only 48.38 Mn cum is proposed to be dumped externally in the nearest adjoining operational mine of Central Coalfields Limited i.e., Amrapali OCP.</li> <li>Integrated Dump plan of Amrapali OCP incorporating 48.38 Mn m³ of Chandragupt OCP is enclosed by User Agency as Annexure -X</li> <li>Copy of Dumping Strategy as per the approved PR of Chandragupt Project and Amrapali project has been enclosed by User Agency as Annexure-XI</li> </ol>
(vii)	Analysis of the area proposed for diversion and area proposed for CA area using DSS analysis revealed the following which needs clarification:	A total of 802.05 Ha has been earmarked for CA. The details of CA. The
(a)	Google imagery show the presence of Settlements, Roads and Agriculture land etc within the proposed forest land for diversion	DGPS &Topo Maps are enclosed as Annexure- XII.  The User Agency has submitted that the roads passing through the Forest area within the coal block will be shifted outside the Coal block boundary along with shifting of village habitat and encroacher at the time of commencement of mining operations.  Annexure- XII
(b	Tandwa Barrage has bee constructed after the year 2016 over the Garhi Nac	approximately 140 mtrs away from the project boundary. However, small part of stone pitched embankment is touching the South Western boundary of the project at an approximate distance of 2 mtrs only.  As per the approved Project Report of Chandragupt OCP:  As per the approved Project Report of Chandragupt OCP:

SI. No.	Queries raised by GoI	4-	X .	1974	Compliance S	Status			
		emi (Ba	bankment. irrage Loc	ation P	y edge will be lan is enclosed b Annexure -XIII)	y User .	1,50		
(c)	Google imagery shows the encroachment of Agriculture land, plantation activities and presence of settlement in CA patches.	Has pro obs	posed as C ervations r CA sites	that to A land nade by were	tal of 800.00 Ha in Chatra South I MoEF&CC, Go obysically verificated of 254.25 H	Forest D I vide le ed. Upo	Division. In etter dated 2 on verificat	light of to 22-09-202 tion of to	
(d)	An earthen pond created recently in the CA patch namely Mahuari and New Road has been constructed in the CA patch namely Village – Kendua.	fou enc land free 47.3 Cer	nd unfit roachment. I was four alternative BHa & Chatficate ha	for Constant of the fresh Constant Normalis been	A plantations bodies etc. Rest r CA plantations CA land to the turn th:209Ha) along made available.	due to 545.75. In this e of 256 with C. Hence,	presence Ha. of degrees regard er 5.30 Ha (Change A Scheme, a total of	of tree raded fore neumbran natra Sout Suitabili 802.05 I	
(e) Out of total 1400 ha (DSS Calculated) forest land proposed for CA, 31 ha of land is characterized with Moderately Dense Forest.		(545.25 Ha + 256.30 Ha) has been earmarked for CA. The details CA land with compensatory afforestation scheme, revised KML file DGPS & Topo Maps are enclosed as <b>Annexure-XIV</b> . <b>DFO Hazaribagh West</b> In this regarding A total of 600 ha. of degraded forest land we proposed as CA land under Hazaribagh West Forest Division ar							
		Chatra South Forest Division. In light of the observations made MoEF&CC, GoI vide letter dated 22.09.2023, the CA sites of physically verified. After verification it was found that 262.30 land was not suitable for CA plantation on account of various reas as mentioned in the table below. Afreshencumbrance free CA land 259.60 ha has been proposed in Hazaribagh West Forest Divi &Chatra South Forest Division. Thus a total of 597.70 (Prev proposed CA land 337.70 ha. under and proposed fresh CA							
		Fore ha. Map	est Division CA Schen	n) has been and sed as A	caribagh West For een proposed ag Suitability Certifunexure-XII w:-	ainst di	verted land	of 298.4	
	£:	6			Details of CA L		T		
		S. No	Name of the PF/RF	Range	Compartment No	Propose d Area	Remarks	After verification	
		1	Basaria	Barhi	132, 133, 134	(Ha)	Earthen	area (Ha) 10.00	
		2	Basaria	Barhi	17,22,23,25, 26,79	41.68	Dam present Mined out Area & Plantation work		
		3	Basaria	Barhi	170	5.00	Encroachme nt of Agriculture land in the		

4 Mungarmao 5 Chandgarh 6 Jatghagra

Barhi

Barhi

Barhi

100, 107, 110, 113 131, 133, 134, 139 80

19.91

64.70

CA patch namely

Encroachme nt of Agriculture land in the CA patch namely

20.00

64.88

6.00

100000	Queries raised by GoI	Compliance Status								
0.		7	Lach	ndih	Barhi	3.	34, 43, 45			16.75
		8	Ga		Barhi		50, 3081	16.75 26.00	Plantation	
			Ou				A POLICE OF THE PROPERTY OF TH		work carried	
								45.00	out in CA	
		9	Lo	hri	Chatra	32,	33, 34, 35	45.00	Encroachme nt of	v
							1		Agriculture	
									land in the	1/
								92	CA patch	
		10	Sindu	arikhu	Chatra	2P,	, 3P, 4P, 5P	29.65		29.65
		1-31-2-31		·d			- 15	50.00		49.99
		11		nta	Chatra	0.52	1P 870, 872, 873	50.00 95.24	Encroachme	49.55
		12	Deoc	handa	Barhi	853,	8/0, 8/2, 8/3	93.24	nt of	
							-		Agriculture	
	1			- 8					and	
					ĺ				plantation activities	
									visible	
		12		1 11	Barhi		18 & 19	23.25	Visible	23.00
		13		hudih	Barhi		155	5.00		5.00
		14	-	ghagra ghagra	Barhi	_	1289, 1345	16.00	Encroachme	11.00
		13	Jack	,ugi a	Danin		X.		nt of	
									Agriculture land in the	
									CA patch	
									namely	
		_	-	_						
		16	K	endua	Barh	i 2, 14	4, 26, 149, 190,	40.24		39.00
		10	1.	onduu			192			24.70
		17	K	endua	Barh	i 428	, 429, 432, 433	46.19	New Road	34.70
									has been constructed	
						4			in the CA	
									patch	100
		18	I To	rahiya	Bark	i	143, 194	34.12		34.00
		19	_	Gaira	Bark	77	3081	20.00		
		"							work carried	
					1			500.00	out recently	337.70
					_			1 600 m		
				5	То	tal	nosed Fresh C	600.00	)	337.70
			20 1	Damo		Pro	posed Fresh C			5.80
			20	Damo		ral Pro Chatra	1359 1585,1594,			5.80
			20	Damo		Pro	1359 1585,1594, 1611, 1472P,			
			20	Damo	loya	Pro	1359 1585,1594, 1611, 1472P, 1931P,			5.80
			21	Dal	loya hu	Pro Chatra Tandwa	1359 1585,1594, 1611, 1472P, 1931P, 1935P, 1936P	A Land		5.80
			21	Da'	loya hu auban	Pro Chatra Tandwa Barhi	1359 1585,1594, 1611, 1472P, 1931P, 1935P, 1936P 1019(P)			5.80
			21	Dal	loya hu auban	Pro Chatra Tandwa	1359 1585,1594, 1611, 1472P, 1931P, 1935P, 1936P 1019(P) 1(P), 421(P),	A Land		5.80 23.80 25.00
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			21	Da'	hu uban	Pro Chatra Tandwa Barhi Barhi	1359 1585,1594, 1611, 1472P, 1931P, 1935P, 1936P 1019(P) 1(P), 421(P), 592(P), 598(P) 750(P), 751(P),			5.80 23.80 25.00 50.00
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			21 22 23	Dal Madh Lok Badiy	hu uban	Pro Chatra Tandwa Barhi Barhi	1359 1585,1594, 1611, 1472P, 1931P, 1935P, 1936P 1019(P) 1(P), 421(P), 592(P), 598(P) 750(P), 751(P), 752(P) 62(P), 63(P),			5.80 23.80 25.00 50.00
			21 22 23 24 25	Dai Madh Lok Badiy	hu uban iiya ajwar	Pro Chatra Candwa Barhi Barhi Barhi	1359 1585,1594, 1611, 1472P, 1931P, 1935P, 1936P 1019(P) 1(P), 421(P), 592(P), 598(P) 750(P), 751(P), 752(P) 62(P), 63(P), 64(P), 65(P)			5.80 23.80 25.00 50.00 38.00
			21 22 23 24	Dai Madh Lok Badiy	hu uban iiya	Pro Chatra Candwa Barhi Barhi Barhi	1359 1585,1594, 1611, 1472P, 1931P, 1935P, 1936P 1019(P) 1(P), 421(P), 592(P), 598(P) 750(P), 751(P), 752(P) 62(P), 63(P), 64(P), 65(P)			5.80 23.80 25.00 50.00 38.00
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			21 22 23 24 25	Dai Madh Lok Badiy	hu uban iiya ajwar	Pro Chatra Candwa Barhi Barhi Barhi	1359 1585,1594, 1611, 1472P, 1931P, 1935P, 1936P 1019(P) 1(P), 421(P), 592(P), 598(P) 750(P), 751(P), 752(P) 62(P), 63(P), 64(P), 65(P) 409, 412, 413, 414,			5.80 23.80 25.00 50.00 38.00 49.00
			21 22 23 24 25	Dai Madh Lok Badiy	hu uban iiya ajwar	Pro Chatra Candwa Barhi Barhi Barhi	1359 1585,1594, 1611, 1472P, 1931P, 1935P, 1936P 1019(P) 1(P), 421(P), 592(P), 598(P) 750(P), 752(P) 62(P), 63(P), 64(P), 65(P) 409, 412, 413, 414, 415, 419,		Total	5.80 23.80 25.00 50.00 38.00 49.00
			21 22 23 24 25 26	Madh Lok Badiy Ba	hu uban iiya ajwar lori	Pro Chatra Candwa Barhi Barhi Barhi Barhi	1359 1585,1594, 1611, 1472P, 1931P, 1935P, 1936P 1019(P) 1(P), 421(P), 592(P), 598(P) 750(P), 752(P) 62(P), 63(P), 64(P), 65(P) 409, 412, 413, 414, 415, 419,			5.80 23.80 25.00 50.00 38.00 49.00
(vii	ii) Quantitative details o		21 22 23 24 25 26	Madh Lok Badiy Ba	hu uban iya ajwar lori kurha	Pro Chatra Candwa Barhi Barhi Barhi Barhi	1359 1585,1594, 1611, 1472P, 1931P, 1935P, 1936P 1019(P) 1(P), 421(P), 592(P), 598(P) 750(P), 752(P) 62(P), 63(P), 64(P), 65(P) 409, 412, 413, 414, 415, 419, 421, 423		Total Grand Tota	5.80 23.80 25.00 50.00 38.00 49.00 259.60
(vii	ii) Quantitative details o deaths of human and	f	21 22 23 24 25 26	Madh Lok Badiy Ba Siman	hu uban iya ajwar lori kurha	Pro Chatra  Candwa  Barhi  Barhi  Barhi  Barhi	1359 1585,1594, 1611, 1472P, 1931P, 1935P, 1936P 1019(P) 1(P), 421(P), 598(P) 750(P), 752(P) 62(P), 63(P), 64(P), 65(P) 409, 412, 413, 414, 415, 419, 421, 423		Total Grand Tota	5.80 23.80 25.00 50.00 38.00 68.00 49.00 259.60 11 597.30 in last f
(vii	deaths of human and	of f C	21 22 23 24 25 26 26	Madh Lok Badiy Ba Simal	hu uban iiya ajwar lori kurha detail 019-20	Pro Chatra  Candwa  Barhi  Barhi  Barhi  Barhi  sision s of deto 202	1359 1585,1594, 1611, 1472P, 1931P, 1935P, 1936P 1019(P) 1(P), 421(P), 592(P), 598(P) 750(P), 752(P) 62(P), 63(P), 64(P), 65(P) 409, 412, 413, 414, 415, 419, 421, 423 eaths of Hui 23-24 under		Total Grand Tota	5.80 23.80 25.00 50.00 38.00 68.00 49.00 259.60 11 597.30 in last the second se
(vii	deaths of human and elephants in last five year	f CQ	21 22 23 24 25 26 26	Madh Lok Badiy Ba Siman	hu uban iya lori kurha th Div detail	Pro Chatra  Candwa  Barhi  Barhi  Barhi  Barhi  sion s of do to 202	1359 1585,1594, 1611, 1472P, 1931P, 1935P, 1936P 1019(P) 1(P), 421(P), 592(P), 750(P), 751(P), 752(P) 62(P), 63(P), 64(P), 65(P) 409, 412, 413, 414, 415, 419, 421, 423 eaths of Hui 23-24 under		Total Grand Tota d Elephants South Forest	5.80 23.80 25.00 50.00 38.00 68.00 49.00 259.60 in last f
(vii	deaths of human and elephants in last five year may be furnished by the	ff C	21 22 23 24 25 26 26	Madh Lok Badiy Ba Simal	hu uban iya lori kurha th Div detail 19-20	Pro Chatra  Candwa  Barhi  Barhi  Barhi  Barhi  cision  s of deto 202  are-XV	1359 1585,1594, 1611, 1472P, 1931P, 1935P, 1936P 1019(P) 1(P), 421(P), 592(P), 598(P) 750(P), 751(P), 752(P) 62(P), 63(P), 64(P), 65(P) 409, 412, 413, 414, 415, 419, 421, 423 eaths of Hui 23-24 under V.	man an Chatra	Total Grand Total d Elephants South Forest	5.80 23.80 25.00 50.00 38.00 68.00 49.00 259.60 in last find Division
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(vii	deaths of human and elephants in last five year may be furnished by the	of f C Q at	21 22 23 24 25 26 Chatre quantiers it tache of Olephalanha	Madh Lok Badiy Ba Siman Siman Itative i.e., 20 ed as A Chatra	hu uban iya ajwar lori kurha detail 019-20 Annex a South orridors	Pro Chatra  Candwa  Barhi  Barhi  Barhi  Barhi  Barhi  cision  s of deto 202  are-Xi  a Division  controlled the controlled to the controlled	1359 1585,1594, 1611, 1472P, 1931P, 1935P, 1936P 1019(P) 1(P), 421(P), 598(P), 750(P), 752(P) 62(P), 63(P), 64(P), 65(P) 409, 412, 413, 414, 415, 419, 421, 423 eaths of Hue 23-24 under V.	man an Chatra mitted forest I corridor	Total Grand Tota d Elephants South Forest	5.80 23.80 25.00 50.00 38.00 68.00 49.00 259.60 in last for Division no Notification the basis proposed

SI. No.	Queries raised by GoI	Compliance Status
		does not fall on any of these proposed elephant corridors.  Hazaribagh West Division In this regard quantitative details of deaths of human and elephants in last five years i.e., 2019-20 to 2023-24 as attached under Hazaribagh West Forest Division. (Details enclosed as Annexure-XIII)  DFO Hazaribagh West Division has submitted that there is no notified elephant corridors in Hazaribagh West Forest Division. On the basis of elephant movements, five elephant corridors have been proposed in Hazaribagh West Forest Division. However, the proposed mining project does not have any of these proposed elephant corridors.
(ix)	External dump is being proposed in 86.16 ha of land in Amrapali OCP, which is not given in the proposal but included in Mining Plan. Therefore, compliance status of Amrapali OCP shall be submitted.	The User Agency has submitted that the external dump of Chandragupta OCP is proposed in an area of 89.16 Ha of land in Amrapali OCP. The approval of Project report enclosed in the form of CD of Amrapali OCP along with approved dumping strategy plan is attached as Annexure-XVI in Chatra South and Annexure-XIV in Hazaribagh West quick perusal.  The compliance status of already diverted forest proposal of 531.64 Ha in respect of Amrapali OCP is enclosed Compliance report of Amrapali by User Agency as Annexure-XVII in Chatra South and Annexure XV in Hazaribagh West folder.
(x)	In case Amrapali OCP is not of the UA then an NOC from the UA of Amrapali OCP shall be submitted.	The User Agency has submitted that both Amrapali OCP and Chandragupta OCP are the projects of Central Coalfields Limited under the administrative control of 'Amrapali & Chandragupt Area'. As such, no NOC is required for Chandragupta OCP from Amrapali OCP.
(xi)	Amrapali OCP boundary is in the west side of the Barki River, the impact of having mining on both the sides of river will require deep understanding of the impact of hydrology of the river, so comments of the State shall be submitted in this regard.	<ul> <li>CMPDIL, Ranchi has prepared a Report on the Anticipated Impacts of proposed mining on either side of Barki River and its management plan. (Report of CMPDIL is attached by User Agency as Annexure-XVIII).</li> <li>Following are the key findings of the report: <ol> <li>There shall not be any obstruction to the flow of Barki River. Mining is proposed by leaving approx. 100 m on Amrapali side and 60 m on Chandragupt side from the HFL of the River.</li> <li>This safety zone will act as a buffer between the natural stream and active mining area, thereby safeguarding the banks of Barki River from erosion, keeping the catchment area for stream assisted by natural channel slope, sustaining the stream flow, and preserving the riverine eco-system.</li> </ol> </li> <li>During heavy rainfall conditions, the active mine sumps will act as surge ponds and effectively reduce the peak flow rates in Barki River. Thus, Barki River will not experience any flooding-related problems during heavy rainfall.</li> </ul>
	12	Additionally, as part of the study on diversion of Chutki nalla, IIT Roorkee has conducted a study on Barki river also. The study states that Barki has a catchment of 231.50 sqkm.  The study suggests no risk of flooding on the surrounding landscape. Alsoany deficit in natural run-off will be compensated by mine discharge and run-off from reclaimed land and hence there will not be any variation in the flow of Barki river.  Therefore, it can be ascertained that there will not be any direct impact of proposed mining on the surface hydrology of Barki River. Control measures like toe wall, garland drain, check dams and

SI. No.	Queries raised by GoI	Compliance Status					
NO.		siltation ponds to arrest siltation, and ETP with oil and greas removal mechanism to treat workshop effluents, will be in place.  (The DPR from IIT,ROORKEE is enclosed in the form of CD by User Agency as Annexure -VII)					
(xii)	A high level bridge over Barki river needs to be constructed to connect the proposed OCP, the location of the bridge and its connectivity should be shown through KML for further DSS analysis.	A high-level bridge over Barki riverfor connectivity with the Chandragupt OCP is proposed by the user Agency. The KML file is attached in the form of CD by User Agency as Annexure -XIX)					
xiii)	Chotki river falling in the proposed site has to be diverted as per the proposal but the site inspection report or the comments of the State is silent on it, specially about its impact on the water security and hydrological cycle downstream.						
(xiv)	Since the area has elephant therefore the cases of the Human Elephant conflicts in the district needs to be looked into, for which deaths of human and elephants in the Chatra and Hazaribagh district in lass five years to be provided Loss of property and crop damage and compensation given and pending should also be provided.	property and crop damage and compensation in last five years i.e., 2019-20 to 2023-24 under Chatra South Forest Division is attached as Annexure-XV and Hazaribagh West Forest Division is attached as Annexure-XIII					
(xv		Management and mitigation of Man and Animal connect. (Coperate description)  description of Man and Animal connect. (Coperate description)  description of Man and Animal connect. (Coperate description)					

अतः क्षेत्रीय मुख्य वन संरक्षक, हजारीबाग से प्राप्त निराकरण प्रतिवेदन की तीन-तीन प्रतियाँ इस पत्र के साथ संलग्न कर अग्रतर कार्रवाई हेतु भेजा जा रहा है।

संचिका में प्रधान मुख्य वन संरक्षक (HoFF), झारखण्ड का अनुमोदन प्राप्त है।

अनुलग्नक :- यथोक्त।

विश्वासभाजन,

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



# कार्यालय – क्षेत्रीय मुख्य वन संरक्षक, हजारीबाग। वन भवन, हजारीबाग,

Ph. No. 06546-223962, Email-rccf-hazaribagh@gov.in

पत्रांक :

258

दिनांक : 05.02.2024-

सेवा में,

विषय:--

प्रधान मुख्य वन संरक्षक, -सह-

कार्यकारी निदेशक, बंजर भूमि विकास बोर्ड,

झारखण्ड, रांची।

सी०सी०एल० द्वारा चन्द्रगुप्त खुली खदान कोल परियोजना हेतु 699.38 हे0 (चतरा दक्षिणी वन प्रमंडल अन्तर्गत-400.96 है0 एवं हजारीबाग पश्चिमी वन प्रमंडल अन्तर्गत-298.42 है0) वन भूमि अपयोजन (ऑनलाईन प्रस्ता० सं० PF/JH/MIN/ 140599/2021) प्रस्ताव के संबंध में।

भवदीय पत्रांक ९७७ दिनांक ०३.१०.२०२३

उपर्युक्त विषयक प्रासंगिक पत्र के संदर्भ में सादर सूचित करना है कि विषयक परियोजना सीर्ज्यार्ज्य द्वारा चन्द्रगुप्त खुली खदान कोल परियोजना हेतु 699.38 हे0 (चतरा दक्षिणी वन प्रमंडल अन्तर्गत 00.96 हे0 एवं हजारीबाग पश्चिमी वन प्रमंडल अन्तर्गत 298.42 हे0) वनभूमि अपयोजन प्रस्ताव में भारत प्रेंडकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, नई दिल्ली का पत्रांक 8-24/2023-FC दिनांक 22.09. 2023 द्वारा पन्द्रह बिन्दुओं पर पृच्छा की गई है। पृच्छित बिन्दुओं का निराकरण प्रतिवेदन वन संरक्षक, प्रादेशिक अंचल, चतरा के पत्रांक 60 दिनांक 30.01.2024, वन संरक्षक, प्रादेशिक अंचल, हजारीबाग के पत्रांक 225 दिनांक 05.02.2024 तथा वन प्रमंडल पदाधिकारी, चतरा दक्षिणी वन प्रमंडल के पत्रांक 166 दिनांक 22.01.2024 एवं हजारीबाग पश्चिमी वन प्रमंडल का पत्रांक 867 दिनांक 05.02.2024 (छाया प्रति संलग्न) से प्राप्त हुआ है। प्राप्त निराकरण प्रतिवेदन बिन्दुवार निम्नवत् है:-

Condi tion No.	Queries raised by Gol	Compliance report	Anne xure
1	3	5	
.5	As Schedule-I species have been reported in the area and DFO also mentioned the fragmentation of wildlife habitat, comments of PCCF (Wildlife) and CWLW Jharkhand on the likely impact of the project on the movement of wildlife in general and elephant in particular needs to be furnished by the State. Further, comments may also be furnished on the adequacy of mitigation measures like Site Specific	The applied area is a good habitat of wildlife. Its surrounding area also, being a good habitat of many wild animals, shall definitely	I, II & III

or Comprehensive Integrated Wildlife Management proposed for the area.  ii) The authorities in the State Forest Department have recommended preparation of various Plans and their implementation either before or concurrently with the mining operations. Detail of such plans, in tabular form indicating clearly against them, their tentative cost, time required for preparation and duration of implementation in dicating clearly against them, their tentative cost, time required for preparation and duration of implementation of implementation of implementation of implementation of implementation principle approval in the state.  Soil & 25-35		Wildlife Management Plan					9480
Integrated Wildlife Management proposed for the area.  ii) The authorities in the State Forest Department have recommended preparation of various Plans and their implementation either before or concurrently with the mining operations. Detail of such plans, in tabular form indicating clearly against them, their tentative cost, time required for preparation of wildlife such plans, in tabular form indicating clearly against them, their tentative cost, time required for preparation Detail of such plans, in tabular form indicating clearly against them, their tentative cost, time required for preparation Detail of such plans, in tabular form indicating clearly against them, their tentative cost, time required for preparation and duration of implementation, etc. need to be furnished by the State.  Soil & 25-35 (not month after principle approval forer great of In years of 19 y							4
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the area.  ii) The authorities in the State Forest Department have Forest Department have Forest Department have recommended preparation of various Plans and their implementation either before or concurrently with the mining operations. Detail of such plans, in tabular form indicating clearly against them, their tentative cost, time required for preparation and duration of implementation for implementation is given as under Plans Testative (18). One month after great of In-principle approval operations.  Soil & Moisture Crore great of In-principle approval operation and duration of implementation, etc. need to be furnished by the State.  Iii) In online Part-II, it has been reported that the proposed forest land is moderately vulnerable to erosion. Therefore, mitigation measures in this regard needs submission.  Iv) Cost benefit Ratio has been estimated as 1:81.92 which is exorbitantly high. The analysis may be revisited by the user agency by applying appropriate economic tools to accurately estimate the various parameters and detailed analysis thereof may be submitted to the Ministry.  Iv) Detail of safety zone of the mining leases for raising afforestation has not been submitted along with the proposal. Same needs to be submitted along with complete detail of supporting attributes such	1	Management proposed for					
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to accurately estimate the various parameters and detailed analysis thereof may be submitted to the Ministry.  Detail of safety zone of the mining leases for raising afforestation has not been submitted along with the proposal. Same needs to be submitted along with complete detail of supporting attributes such  The User Agency has left a patch of 7.5 m of forest all along the Coal Block boundary as Proposed Safety Zone. The area of safety zone comes to be 2.9 Ha which is part of 699.38 Ha of forest land diversion proposal.  Compensatory afforestation plan over double degraded forest land has already been identified for 1400 Ha which also includes CA area against the 2.9 Ha of safety zone.		appropriate community in					
various parameters and detailed analysis thereof may be submitted to the Ministry.  Detail of safety zone of the mining leases for raising afforestation has not been submitted along with the proposal. Same needs to be submitted along with complete detail of supporting attributes such  The User Agency has left a patch of 7.5 m of forest all along the Coal Block boundary as Proposed Safety Zone. The area of safety zone comes to be 2.9 Ha which is part of 699.38 Ha of forest land diversion proposal.  Compensatory afforestation plan over double degraded forest land has already been identified for 1400 Ha which also includes CA area against the 2.9 Ha of safety zone.							
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Ministry.  Detail of safety zone of the mining leases for raising afforestation has not been submitted along with the proposal. Same needs to be submitted along with complete detail of supporting attributes such  The User Agency has left a patch of 7.5 m of forest all along the Coal Block boundary as Proposed Safety Zone. The area of safety zone comes to be 2.9 Ha which is part of 699.38 Ha of forest land diversion proposal.  Compensatory afforestation plan over double degraded forest land has already been identified for 1400 Ha which also includes CA area against the 2.9 Ha of safety zone.			7				
Detail of safety zone of the mining leases for raising afforestation has not been submitted along with the proposal. Same needs to be submitted along with complete detail of supporting attributes such  The User Agency has left a patch of 7.5 m of forest all along the Coal Block boundary as Proposed Safety Zone. The area of safety zone comes to be 2.9 Ha which is part of 699.38 Ha of forest land diversion proposal.  Compensatory afforestation plan over double degraded forest land has already been identified for 1400 Ha which also includes CA area against the 2.9 Ha of safety zone.	8					73	
mining leases for raising afforestation has not been submitted along with the proposal. Same needs to be submitted along with complete detail of supporting attributes such	_						
afforestation has not been submitted along with the proposal. Same needs to be submitted along with complete detail of supporting attributes such	v)		e User Agency I	nas left a r	atch of 7.5 m of fo	w	
submitted along with the proposal. Same needs to be submitted along with complete detail of supporting attributes such		o reason for raising Co.	al Block bounda	rv as Pron	osed Safety Zama	rest all along the	VI
submitted along with the proposal. Same needs to be submitted along with complete detail of supporting attributes such diversion proposal.  Compensatory afforestation plan over double degraded forest land has already been identified for 1400 Ha which also includes CA area against the 2.9 Ha of safety zone.		***	ne comes to he	2 9 Ha whi	ch is now at soons. T	ne area of safety	
proposal. Same needs to be submitted along with complete detail of supporting attributes such CA area against the 2.9 Ha of safety zone.		Land to the second seco	ersion proposal	L.S Ha WIII	cii is part of 699.38	Ha of forest land	
submitted along with compensatory afforestation plan over double degraded forest land has already been identified for 1400 Ha which also includes CA area against the 2.9 Ha of safety zone.			- Sion proposal	17			
complete detail of supporting attributes such CA area against the 2.9 Ha of safety zone.		WARRANT CO. DO. DO. DO. DO. DO. DO. DO. DO. DO. D	mnencator: aff		500 <b>1</b> 500 500 500 500 500 500 500 500 500 50	_	
supporting attributes such CA area against the 2.9 Ha of safety zone.			d has also all	restation	plan over double	degraded forest	
CA area against the 2.9 Ha of safety zone.		. oi lan	a nas aneady be	een identif	ied for 1400 Ha wh	ich also includes	F.
		CA	area against the	2.9 Ha of s	safety zone.		

	as afforestation scheme	.   т	he afforest	tation s	chomo	of anti-	ro 140	0.11-			(Zhi)
	suitability certificate, KML	C	ertificato k	ANI filo	of 140	or entil	re 140	O Ha al	ong wi	th suitabilit	Y
	files, etc.		emarcated	VIVIL IIIE	101 140	DO Ha CA	Aland	(which	include	es 5.8 Ha C	A
	,	70	onal and Ri	separa	tely in	Damdo	ya Villa	age ag	gainst 2	.9 Ha safet	У
	=	20	zone) and KML file of 2.9 Ha safety zone, are enclosed in the form of <i>CD</i> enclosed by user agency as <b>Annexure VI</b> .								
vi	From the purpose-wise brea	kun	of forest le	and the	ser age	ncy as A	Annexu	ıre VI.		11	
a)	An area of 0.14 ha has been	T	1) A D	na, the	TOILOV	ving ma	y be a	scertai	ned:		
	proposed for diversion of		1) A D	PR OF C	nnotki	Stream	diver	sion ar	id strai	ghtening o	f VII8
	Nadi/nalla. The status of	0.0	nie Doo	meand	ier no	tch of	Barki	River	prepa	red by II	L AIII
	feasibility reports for said		KOO	rkee na	is beer	n submi	itted b	y the	User A	gency. (The	9
	diversion along with	1	DPK	encios	sed by	user a	agency	in th	e form	of <i>CD</i> as	5
	comments of Water			exure V							
	Resource Department on	/\^	version pr	oposal	has be	een rec	omme	nded I	by Chie	ef Engineer	
	the feasibility of said	(vi	NOC /Th	urces L	epartn	nent), Ja	al Bha	wan, R	anchi f	or issuance	:
	proposed diversion needs	Do	NOC. (In	e reco	nmend	lation a	long v	vith co	mment	s of Water	
	to be informed by the State.	A.	source be	partme	ent has	been	enclo	sed by	user	agency as	
	as anothica by the state.	An	nexure VII	1).							
b)	An area of 13.94 ha of	۸۵	man the								
	forest land has been	AS	per the a	advice	of MO	EFCC, t	he lar	nd-use	propos	sed in the	IX
	proposed for infrastructure	ear	iler submi	tted Fo	rm-A ł	nas bee	n revi	sed by	the Us	ser Agency	
	while only 2.3 ha only has	WIT	n a view to	o reduc	e fores	t land f	or infr	astruct	ural co	mponents.	
	been proposed in non-	THE	e earlier an	d propo	osed la	nd-use i	s giver	n below	:		
	Government may therefore		Earlier Land	d-Use for I	nfrastruc	turo		ised Land			
	assess the legitimacy of				Non-			nfrastruc	Total	% Change	
	site-specificity of various	S	Componen	Forest	Fores	Total Area	Fore	Non- Forest	Area	in Forest	
	The state of the s	N	t	Land	t Land	(in Ha)	Land	Land	(in	Land	
	infrastructural components and possibility to shift non-	1	2	3	4	5	6	7	Ha) 8	(3-6)/3	
	site-specific components to	1	СНР	9.30	5.52	14.82	4.45	3.41	7.86	- 52 %	1
	the non-forest land.		Infrastruct						1.00	- 32 /6	
	the non-lorest land.	2	ure (Field Workshop,	12.04	2.20			8			100
		-	Substation	13.94	2.30	16.24	0.00	11.56	11.56	- 100 %	
			etc)								
			Road,					7			- 1
		3	bridge, culvert	4.38	14.20	18.58	4.38	14.20	18.58	0	
			cuivert					_			
										_	
			Total	27.62	22.02	49.64	8.83	29.17	38.00	-68 %	
		Thou	olan is on a								
		me	olan is encl	osed as	Annex	cure IX.					
											- 1
c)	A total forest land of 36.82	1)	The loca	tion ma	n of th	ne proje	ect cho	we the	+ +1		*
	ha of forest land has been	25	project is	bound	ed by N	Mining /	evictio	ws tha	tine p	roposed	
	proposed for Green belt		projects	on all t	he fou	r sidas	rondo	g as we	as pr	oposed)	
	which is in addition to 2.9		of forest	patch d	ifficul+	hy tha !	Forest	Done	e mana	gement	
	ha of forest land earmarked	2)	The User	Agend	v has	suhmi+	tod +h	peparti	nent.		
	for safety zone. Rationalize	50	generic co	onditio	of the	FC and	roval	holt of	compli	ance of	
					. 51 1116	re aht	noval,	neir of	wiath	not less	
	for including green belt area		than 7.5	mtrs sh	all be	develor	lle ha	alone !	ho '		1

in the project which could otherwise be excluded from the project and be managed by the Forest Department. Considered view of the State Government in this regard needs to be furnished

area. This apart, the statutory barriers against surface features like river, nallah, public road etc are to be maintained as per Coal Mines Regulation 2017. As a best practice measure, the area left as barriers is developed and maintained as Green Belt with a view to enhance the plantation cover and decrease the carbon footprint. Such green belts also function as wind breaks.

- The User Agency has submitted that, the area is also required to maintain mine boundary in continuity and to divert entire forest land falling within the project boundary.
- 4) Also the User Agency has submitted that they have proposed the green belt as part of mitigation measures for dust suppression.

It is evident from above that it will be very difficult for State Forest department to manage the intervening parcels of forest land bounded by mining activities and statutory restrictions against surface features. In view of this, it is proposed to maintain these parcels of land as green belt aggregating to 55.61 Ha (which includes 36.82 ha green belt proposed earlier plus 18.79 Ha of Forest land now made available due to shifting of infrastructural activities to non-forest land) as green belt as shown in the revised land use. The forest area earmarked as green belt will be kept and maintained as such, and no non-forestry activity should be undertaken therein.

d) Details of area proposed for dumping of overburden is not available in the purpose-wise breakup. Comments in this regard may be provided by the State Government.

The User Agency has submitted that,

 Chandragupta OCP mine has been planned in a sustainable manner and >95% of OB will be dumped internally so as to minimize the land degradation to the minimum extent possible.

2) Total volume of overburden expected to be generated in Chandragupta OCP is 995.34 Mn cum. Out of this, 946.96 Mn cum (=95%) is proposed as internal dump without affecting any external surface area other than the quarry itself.

 Only 48.38 Mn cum is proposed to be dumped externally in the nearest adjoining operational mine of Central Coalfields Limited i.e., Amrapali OCP.

Integrated Dump plan of Amrapali OCP incorporating 48.38 Mn  $\rm m^3$  of Chandragupt OCP is enclosed by User Agency as Annexure  $\rm X$ 

X&XI

U

			(24)
		CHANDRAGUPT OCP  COPY of Dumping Strategy as per the approved PR of Chandragupt Project and Amrapali project has been enclosed by	
vii	0-1-1-1	Oser Agency as Annexure XI	
VII	The area	- Division	
	proposed for diversion and	The field been earlied ked for CA. The details of CA	
	area proposed for CA area	land with compensatory afforestation scheme, revised KMI files	
	using DSS analysis revealed	DGPS & 1000 Maps are enclosed as Anneyura, VIV	
	the following which needs clarification:	I I	
	out meation.	Hazaribagh West Division	
51		A total of 597.30 Ha has been earmarked for CA. The details of CA land with compensatory afforestation scheme, revised KML files, DGPS &Topo Maps are enclosed as <b>Annexure: XII.</b>	
a)	Google imagery shows the	The User Agency has submitted that the roads passing through	
	presence of Settlements,	the Forest area within the coal block will be shifted outside the	XI
	Roads and Agriculture land	Coal block boundary along with shifting of village habitat and	
	etc. within the proposed	encroachers at the time of commencement of mining operations.	
L	forest land for diversion	4	
b)	As per Google imagery, Tandwa Barrage has been	The User Agency has submitted that, the barrage is not falling in the forest patch proposed for diversion. The barrage structure is	XIII
	constructed after the year	approximately 140 mtrs away from the project boundary.	
	2016 over the Garhi Nadi	However, a small part of stone pitched embankment is touching	
	(River) and part of barrage	the South-Western boundary of the project at an approximate	
	in the	distance of 20 mtrs only.	
	forest patch which has been	As per the approved Project Report of Chandragunt OCP	
	proposed for diversion.	"The Southern Boundary has been fixed leaving a barrier of 100	
= 1		mtr from the southern geological block boundary of Pachra South block."	
		As such, the quarry edge will be 100 mtrs away from the embankment.	
	L.	(Barrage Location Plan is enclosed by User Agency in the form of	
		CD & Hard copy as Annexure XIII)	
)	Google imagery shows the		

	1	36
	11	h
- 1	A	1 100

encroachment of
Agriculture land, plantation
activities and presence of
settlement in CA patches.

- d) An earthen pond created recently in the CA patch namely Mahuari and New Road has been constructed in the CA patch namely Village Kendua.
- e) Out of total 1400 ha (DSS Calculated) forest land proposed for CA, 31 ha of land is characterized with Moderately Dense Forest.

Has submitted that total of 800.00 Ha of degraded forest land was proposed as CA land in Chatra South Forest Division. In light of the observations made by MoEF&CC, Gol vide letter dated 22-09-2023, the CA sites were physically verified. Upon verification of the proposed CA sites, a total of 254.25 Ha of degraded forest land was found unfit for CA plantations due to presence of trees, encroachments, water bodies etc. Rest 545.75 Ha. of degraded forest land was found fit for CA plantations. In this regard encumbrance free alternative fresh CA land to the tune of 256.30 Ha (Chatra South: 47.3Ha & Chatra North:209Ha) along with CA Scheme, Suitability Certificate has been made available. Hence, a total of 802.05 Ha (545.25 Ha + 256.30 Ha) has been earmarked for CA. The details of CA land with compensatory afforestation scheme, revised KML files, DGPS & Topo Maps are enclosed as Annexure: XIV.

### **DFO Hazaribagh West**

In this regarding A total of 600 ha. of degraded forest land was proposed as CA land under Hazaribagh West Forest Division and Chatra South Forest Division. In light of the observations made by MoEF&CC, GoI vide letter dated 22.09.2023, the CA sites were physically verified. After verification it was found that 262.30 ha land was not suitable for CA plantation on account of various reasons as meantioned in the table below. Afreshencumbrance free CA land of 259.60 ha hasbeen proposed in Hazaribagh West Forest Division &Chatra South Forest Division. Thus a total of 597.70 (Previous proposed CA land 337.70 ha. under and proposed fresh CA land 259.60 Ha. under Hazaribagh West Forest Division &Chatra South Forest Division) has been proposed against diverted land of 298.42 ha. CA Scheme and Suitability Certificate, KML, DGPS & Topo Maps as enclosed as Annexure: XII

### Details are given below: -

	8		Details of CA	Land		
S. No	Name of the PF/RF	Range	Compartment No	Proposed Area (Ha)		After verification area (Ha)
1	Basaria	Barhi	132, 133, 134	15.00	Earthen Dam present	10.00
2	Basaria	Barhi	17,22,23,25, 26,79	- Parties	Mined out Area & Plantation work	2
3	Basaria	Barhi	170		Encroachmen t of Agriculture land in the CA patch namely	
4	Mungarmao	Barhi	100, 107, 110, 113	20.00	1	19.91

	5 Chanc	lgarh	Barhi	131, 133, 139	134,	64	.88			64.70
	( )									
	6 Jatgh	agra	Barhi	80		6.	00	Encroacl t of Agricultu land in th patch nai	ire ie CA	
	7 Lachu	ıdih	Barhi	34, 43, 4	5	16.	75			16.75
	3 Gair	a l	Barhi	3050, 30	81	26.		Plantation work carr out in CA	SATE PARTY	7
g	Loh	ri (	Chatra	32, 33, 34,	35	45.0	1	Encroachi of Agricultur and in the	e	
10	Sinduari d	khur C	hatra	2P, 3P, 4P,	5P	29.6	5			29.65
11	Unta	С	hatra	1P	+	50.0	0	-	+	49.99
12	Deochar	nda E	Barhi	853, 870, 87 873	72,	95.2	t o Ag ar pl ac	ncroachm of griculture nd antation tivities sible		
13	Lachudi	h Ba	arhi	18 & 19		23.25	+		+	23.00
14	Jatghagr	a Ba	arhi	155		5.00	$\dagger$		+	5.00
15	Jatghagr	a Ba	ırhi	1289, 1345	1	16.00	t oi Agi lan	croachme f riculture d in the C ch namely	A	11.00
16	Kendua	Bai	rhi 2,	, 14, 26, 149, 190, 192	4	0.24			3	9.00
17	Kendua '	Bar	hi 42	28, 429, 432, 433	40	5.19	has cons	Road been structed se CA h	3	4.70
8	Jarahiya	Barl	hi	143, 194	34	.12	$\vdash$		34	.00
9	Gaira	Barl	hi	3081	20	.00	work	cation ccarried ecently		
		Total			600	2015412000			337	.70
			Propo	osed Fresh C	A La	nd				$\dashv$
	Damdoya	Chatr	a	1359			7	T	5.8	80

21	Dahu	Tandwa	1585,1594, 1611, 1472P 1931P, 1935F 1936P			23.80
22	Madhuban	Barhi	1019(P)	-	0	25.00
23	Lokiya	Barhi	1(P), 421(P), 592(P), 598(P)	-		50.00
24	Badiyajwar	Barhi	750(P), 751(P), 752(P)	2		38.00
25	Balori	Barhi	62(P), 63(P), 64(P), 65(P)	-		68.00
26	Simarkurha	Barhi	409, 412, 413, 414, 415, 419, 421, 423	923		49.00
					Total	259.60
					Grand Total	597.30

viii) Quantitative details of deaths of human and elephants in last five years may be furnished by the State along with details of existing and proposed elephant corridors in the landscape.

#### **Chatra South Division**

Quantitative details of deaths of Human and Elephants in last five years i.e., 2019-20 to 2023-24 under Chatra South Forest Division is attached as **Annexure-XV**.

DFO Chatra South Division has submitted that there is no Notified Elephant Corridors in Chatra South Forest Division. On the basis of elephant movements, three elephant corridors have been proposed in Chatra South forest division. However, the proposed mining project does not fall on any of these proposed elephant corridors.

### Hazaribagh West Division

In this regard quantitative details of deaths of human and elephants in last five years i.e., 2019-20 to 2023-24 as attached under Hazaribagh West Forest Division.(Details enclosed as Annexure-XIII)

DFO Hazaribagh West Division has submitted that there is no notified elephant corridors in Hazaribagh West Forest Division. On the basis of elephant movements, five elephant corridors have been proposed in Hazaribagh West Forest Division. However, the proposed mining project does not have any of these proposed elephant corridors.

External dump is being proposed in 86.16 ha of land in Amrapali OCP,

The User Agency has submitted that the external dump of Chandragupta OCP is proposed in an area of 89.16 Ha of land in Amrapali OCP. The approval of Project report enclosed in the

ix)

which is not	ven in the form of CD of American in Occasion
proposal but Mining Plan. compliance Amrapali OCP submitted.	ncluded in Therefore, tatus of shall be  The compliance status of already diverted forest proposal of 531.64 Ha in respect of Amrapali OCP is enclosed Compliance report of Amrapali by User Agency as Annexure XVII in Chatra South and Annexure XV in Hazaribagh West folder.
of the UA then a the UA of Am shall be submitted	NOC from Chandragupta OCP are the projects of Central Coalfields Limited under the administrative control of (America)
xi) Amrapali OCP is in the west side of River, the impact mining on both the river will required understanding impact of hydrol river, so comme State shall be suithis regard.	Impacts of proposed mining on either side of Barki River and its management plan. (Report of CMPDIL is attached by User Agency as Annexure-XVIII).  Following are the key findings of the report:  1) There shall not be any obstruction to the flow of Barki River. Mining is proposed by leaving approx. 100 m on Amrapali side and 60 m on Chandragunt side from the Anticipated XVIII

			(ano.)
xii)	Barki river needs to b constructed to connect th	e Chandragupt OCP is proposed by the user Agency. The KML file attached in the form of CD by User Agency as Appeyure VIV	VIV
	proposed OCP, the location of the bridge and it connectivity should be shown through KML for further DSS analysis.	n s e	
xiii)		m v	
	proposed site has to be diverted as per the proposal but the site inspection report or the comments of	Waterways Subdivision, Hazaribagh of Govt of Jharkhand has carried out site inspection of Chhotki river and submitted report to Executive Engineer, Water Resource Department with comments and recommendation.	
	the State is silent on it, specially about its impact on the water security and hydrological cycle downstream.	The diversion proposal has further been recommended by Chief Engineer (Water Resources Department), Jal Bhawan, Ranchi for issuance of NoC	
xiv)	Since the area has elephant therefore the cases of the Human Elephant conflicts in the district needs to be looked into, for which		2.
	deaths of human and	attached as Affickare-Affi	
	elephants in the Chatra and Hazaribagh district in last five years to be provided.		
	Loss of property and crop	, , , , , , , , , , , , , , , , , , ,	
	damage and compensation		
	given and pending should also be provided.		-
xv)	Recommendation of the	The CWLW has given comments regarding need of wildlife	
	specially regarding need of	Management and mitigation of Man and Animal conflict. (Copy enclosed as Annexure I)	1
	wildlife management and mitigation of conflict plan.		8 8

वन प्रमंडल पदाधिकारी, चतरा दक्षिणी वन प्रमंडल एवं वन प्रमंडल पदाधिकारी, हजारीबाग पश्चिमी वन प्रमंडल से प्राप्त निराकरण प्रतिवेदन की पांच—पांच प्रतियां सभी अनुलग्नकों सहित संलग्न अग्रतर आवश्यक कार्रवाई हेतु समर्पित की जा रही है।

अनु:-यथोक्त।

आपका (विश्वासी,

क्षेत्रीय मुख्य वर्ष संरक्षव





## कार्यालय :- वन संरक्षक, प्रादेशिक अंचल चतरा।

वन भवन, स्थान+पो0+जिला- चतरा, झारखण्ड - 825401 E-mail Address: <u>cf-chatra@gov.in</u>, Phone No.: 06541-253690

पत्रांक : 60

दिनांक: 30.01.2024

सेवा में,

क्षेत्रीय मुख्य वन संरक्षक, हजारीबाग।

विषय:-

सी०सी०एल० द्वारा चन्द्रगुप्त खुली खदान कोल परियोजना हेतु 699.38 हे० (चतरा दक्षिणी वन प्रमंडल अन्तर्गत—400.96 हे० एवं हजारीबाग पश्चिमी वन प्रमंडल अन्तर्गत—298.42 हे०) वन भूमि अपयोजन (ऑनलाईन प्रस्ता० सं० PF/JH/MIN/140599/2021) प्रस्ताव के संबंध में।

प्रसंग :-

आपका ज्ञापांक 2354 दिनांक 05.10.2023

महाशय,

उपर्युक्त विषयक प्रासंगिक पत्र के संदर्भ में सूचित करना है कि विषयक परियोजना सी०सी०एल० द्वारा चन्द्रगुप्त खुली खदान कोल परियोजना हेतु 699.38 हे० (चतरा दक्षिणी वन प्रमंडल अन्तर्गत 400.96 हे० एवं हजारीबाग पश्चिमी वन प्रमंडल अन्तर्गत 298.42 हे०) वनभूमि अपयोजन प्रस्ताव में भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, नई दिल्ली का पत्रांक 8-24/2023-FC दिनांक 22.09.2023 द्वारा पन्द्रह बिन्दुओं पर पृच्छा की गई है। पृच्छित बिन्दुओं का निराकरण प्रतिवेदन वन प्रमंडल पदाधिकारी, चतरा दक्षिणी वन प्रमंडल के पत्रांक 166 दिनांक 22.01.2024 से समर्पित किया गया है। वन प्रमंडल पदाधिकारी से प्राप्त निराकरण प्रतिवेदन बिन्दुवार निम्नवत् है:—'

Condi tion No.	Queries raised by Gol	es raised by Gol Compliance report			
1	3	5	4		
i)	As Schedule-I species have been reported in the area and DFO also mentioned the fragmentation of wildlife habitat, comments of PCCF (Wildlife) and CWLW Jharkhand on the likely impact of the project on the movement of wildlife in general and elephant in particular needs to be furnished by the State. Further, comments	The applied area is a good habitat of wildlife. Its surrounding area also, being a good habitat of many wild animals, shall definitely bear some impact on wild animals inhabiting the area for which a Wildlife Management Plan shall be required. The Asian Elephant, the endangered one, through do not reside in the proposed area permanently, they visit these areas every year in search food and fodder and damage the crops, houses etc.,  In order to minimize the impact of the proposed mining operation on the environment, it is considered absolutely necessary to prepare a site-specific wildlife management plan and implement it at the expense of the user agency in order to accept the proposed proposal.	I, II &		

CCL Change of OCP 699.38 ha

05.02.24

					STREET,		1
11)	may also be furnished on the adequacy of mitigation measures like Site Specific Wildlife Management Plan or Comprehensive Integrated Wildlife Management proposed for the area.  The authorities in the State	made after rece of in-principle a In this re Undertaking. (I	ipt of such approval. gard, the unclosed a	ndequacy of mitigate mitigation plans plans plans represented the second plans substantial managements and the second plans are sec	repared as o	ertificate of	
	Forest Department have	with their ter	tative cos	st, time required	for prepa	ration and	
	recommended preparation	duration of imp	lementati	on is given as unde	r		
	of various Plans and their implementation either before or concurrently with	Plans	Tentati ve cost (In Rs)	Time required f	ERMIN III	ration of ementatio n	
8	the mining operations.  Detail of such plans, in tabular form indicating	Wildlife Manageme nt Plan	35-45 Crore	One month af grant of principle approv	In- of 10	a period years of tion	27
	clearly against them, their	Soil &	25-35	One month af	ter Over	a period	
	tentative cost, time	Moisture	Crore	0		years of	
	required for preparation	Conservati		principle approv	al opera	tion	
	and duration of	on Plan	25.25	0	*	Lotos	
	implementation, etc. need	Top soil	25-35 Crore	One month af		a period years of	
	to be furnished by the	manageme nt plan	Crore	principle approv	KIND TO SERVICE STATE OF THE S		
	State.		Agency sh	nall prepare and			
				once In-principle a			111
iii)	In online Part-II, it has been			tual cost shall be	10.50		1111
	reported that the proposed	in the second se		actual breaking/ no	on-forestry	use of the	
	forest land is moderately	forest l		e user agency has	submitted a	certificate	#
	vulnerable to erosion.	Application of the property		Enclosed as annex		Continuate	
	Therefore, mitigation	or ond	ortaning. (	gnerosea as annex		= "	15
	measures in this regard	,					
11	needs submission.  Cost benefit Ratio has been	In this regard	Heer age	ncy has submitted	revised C	ost-Ranafit	V
iv)	estimated as 1:81.92 which		A CONTRACTOR OF THE STATE OF TH	elines issued by N			52 <b>-</b> 0
	is exorbitantly high. The	Strangerster Francisco Villa North	All is and the control of the contro	Enclosed as annex			
	analysis may be revisited by	. coard dated of					
	the user agency by applying	197					
	appropriate economic tools				14 27		
	to accurately estimate the	W 15		100		E <sup>77</sup> - 18	
	Goodington Committee the					- 1	
	199				S40	10	
	various parameters and				<b>x</b>	80 88	
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	various parameters and detailed analysis thereof may be submitted to the	n ×				a a a a a a a a a a a a a a a a a a a	
vl	various parameters and detailed analysis thereof may be submitted to the Ministry.	The User Agen	cy has left	a patch of 7.5 m	of forest al	l along the	VI
v)	various parameters and detailed analysis thereof may be submitted to the Ministry.  Detail of safety zone of the	the amount in WS	18	a patch of 7.5 m		1000 person 1000	VI
v)	various parameters and detailed analysis thereof may be submitted to the Ministry.	Coal Block bou	ndary as P	. The second second second	ne. The are	a of safety	VI
v)	various parameters and detailed analysis thereof may be submitted to the Ministry.  Detail of safety zone of the mining leases for raising	Coal Block bou	ndary as P be 2.9 Ha	roposed Safety Zo	ne. The are	a of safety	VI

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	submitted along with complete detail of	land	pensatory has already	y been	identif	ied for	1400 Ha	ble de which	graded a also i	forest ncludes	
	supporting attributes such		rea against					3	***		
	as afforestation scheme,	The a	afforestatio	n schei	me of e	entire 1	400 Ha	along \	with su	intability	
	suitability certificate, KML		ficate, KML								
	files, etc.		arcated sep								
			) and KML						ed in t	ne form	
			Denclosed b								
vi)	From the purpose-wise break	up of	forest land	, the fo	llowing	g may b	e ascert	ained:	raighte	ning of	VII
a)	An area of 0.14 ha has been	,	1) A DPR								VII
	proposed for diversion of									by IIT	1
	Nadi/nalla. The status of									cy. (The	
	feasibility reports for said					ser age	ncy in	the fo	orm of	CD as	
	diversion along with		Annexu				25				
	comments of Water		rsion prop								
	Resource Department on		ter Resour								
	the feasibility of said		NOC. (The								
	proposed diversion needs	Resc	ource Depa	artment	has	been e	nclosed	by u	ser ag	ency as	1
	to be informed by the State.	Ann	exure ¡VIII).								
	**		551			.!					
		As per the advice of MOEFCC, the land-use proposed in the earlier									
b)	An area of 13.94 ha of										
b)	An area of 13.94 ha of forest land has been	subr	nitted Forr	n-A has	s been	revised	by the	User	Agency	with a	
b)	20 24 U 454 W 22 20 20	subr	mitted Forr to reduce	m-A has e forest	s been : land	revised for infra	by the astructu	User ral cor	Agency	with a	
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c) A total forest land of 36.82 ha of forest land has been proposed for Green belt which is in addition to 2.9 The location map of the project shows that the proposed project is bounded by Mining (existing as well as proposed) projects on all the four sides, rendering the management of forest patch difficult by the Forest Department. ha of forest land earmarked for safety zone. Rationalize for including green belt area in the project which could otherwise be excluded from the project and be managed by the Forest Department. Considered view of the State Government in this regard needs to be furnished

- 2) The User Agency has submitted that, in compliance of generic condition of the EC approval, belt of width not less than 7.5 mtrs shall be developed all along the mine lease area. This apart, the statutory barriers against surface features like river, nallah, public road etc are to be maintained as per Coal Mines Regulation 2017. As a best praetice measure, the area left as barriers is developed and maintained as Green Belt with a view to enhance the plantation cover and decrease the carbon footprint. Such green belts also function as wind breaks.
- 3) The User Agency has submitted that, the area is also required to maintain mine boundary in continuity and to divert entire forest land falling within the project boundary.
- 4) Also the User Agency has submitted that they have proposed the green belt as part of mitigation measures for dust suppression.

It is evident from above that it will be very difficult for State Forest department to manage the intervening parcels of forest land bounded by mining activities and statutory restrictions against surface features. In view of this, it is proposed to maintain these parcels of land as green belt aggregating to 55.61 Ha (which includes 36.82 ha green belt proposed earlier plus 18.79 Ha of Forest land now made available due to shifting of infrastructural activities to non-forest land) as green belt as shown in the revised land use. The forest area earmarked as green belt will be kept and maintained as such, and no non-forestry activity should be undertaken therein.

d) Details of area proposed for dumping of overburden is not available in the purpose-wise breakup.

Comments in this regard may be provided by the State Government.

The User Agency has submitted that,

- Chandragupta OCP mine has been planned in a sustainable manner and >95% of OB will be dumped internally so as to minimize the land degradation to the minimum extent possible.
- 2) Total volume of overburden expected to be generated in Chandragupta OCP is 995.34 Mn cum. Out of this, 946.96 Mn cum (=95%) is proposed as internal dump without affecting any external surface area other than the quarry itself.
- Only 48.38 Mn cum is proposed to be dumped externally in the nearest adjoining operational mine of Central Coalfields Limited i.e., Amrapali OCP.

Integrated Dump plan of Amrapali OCP incorporating 48.38 Mn  $\rm m^3$  of Chandragupt OCP is enclosed by User Agency as Annexure X

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		CHANDRAGUPT OCP  CHANDRAGUPT OCP  CHANDRAGUPT APPROJECT  SET CLASS A SEC. YPOLUME. 18, 791 M CHAN  Copy of Dumping Strategy as per the approved PR of Chandragupt  Project and Amrapali project has been enclosed by User Agency as  Annexure XI	
vii	Analysis of the area proposed for diversion and area proposed for CA area using DSS analysis revealed the following which needs clarification:	A total of 802.05 Ha has been earmarked for CA. The details of CA land with compensatory afforestation scheme,revised KML files, DGPS &Topo Maps are enclosed as Annexure: XIV.	XIV
a)	Google imagery shows the presence of Settlements, Roads and Agriculture land etc. within the proposed forest land for diversion	The User Agency has submitted that the roads passing through the Forest area within the coal block will be shifted outside the Coal block boundary along with shifting of village habitat and encroachers at the time of commencement of mining operations.	XII
b)	As per Google imagery, Tandwa Barrage has been constructed after the year 2016 over the Garhi Nadi (River) and part of barrage project is falling in the forest patch which has been proposed for diversion.	The User Agency has submitted that, the barrage is not falling in the forest patch proposed for diversion. The barrage structure is approximately 140 mtrs away from the project boundary. However, a small part of stone pitched embankment is touching the South-Western boundary of the project at an approximate distance of 20 mtrs only.  As per the approved Project Report of Chandragupt OCP: "The Southern Boundary has been fixed leaving a barrier of 100 mtr from the southern geological block boundary of Pachra South block."  As such, the quarry edge will be 100 mtrs away from the embankment.  (Barrage Location Plan is enclosed by User Agency in the form of CD & Hard copy as Annexure XIII)	XIII
c)	Google imagery shows the encroachment of Agriculture land, plantation activities and presence of settlement in CA patches.	DFO Chatra South has submitted that total of 800.00 Ha of degraded forest land was proposed as CA land in Chatra South Forest Division. In light of the observations made by MoEF&CC, Gol vide letter dated 22-09-2023, the CA sites were physically verified. Upon verification of the proposed CA sites, a total of	XIV

d) An earthen pond created recently in the CA patch namely Mahuari and New Road has been constructed in the CA patch namely Village – Kendua.  e) Out of total 1400 ha (DSS Calculated) forest land proposed for CA, 31 ha of land is characterized with Moderately Dense Forest.  viii) Quantitative details of deaths of human and elephants in last five years	ater d fit tive a & cate da +
namely Mahuari and New Road has been constructed in the CA patch namely Village – Kendua.  e) Out of total 1400 ha (DSS Calculated) forest land proposed for CA, 31 ha of land is characterized with Moderately Dense Forest.  viii) Quantitative details of deaths of human and vision in the CA patch namely bodies etc. Rest 545.75 Ha. of degraded forest land was found for CA plantations. In this regard encumbrance free alternative fresh CA land to the tune of 256.30 Ha (Chatra South: 47.3H Chatra North:209Ha) along with CA Scheme, Suitability Certification has been made available. Hence, a total of 802.05 Ha (545.25 Ha (545.2	d fit tive a & cate da +
Road has been constructed in the CA patch namely Village – Kendua.  e) Out of total 1400 ha (DSS Calculated) forest land proposed for CA, 31 ha of land is characterized with Moderately Dense Forest.  viii) Quantitative details of deaths of human and Village – Kendua.  for CA plantations. In this regard encumbrance free alternative fresh CA land to the tune of 256.30 Ha (Chatra South: 47.3H Chatra North:209Ha) along with CA Scheme, Suitability Certification has been made available. Hence, a total of 802.05 Ha (545.25 Has been made available. Hence, a total of 802.05 Ha (545.25 Has been made available. Hence, a total of 802.05 Ha (545.25 Has been made available. Hence, a total of 802.05 Ha (545.25 Has been made available. Hence, a total of 802.05 Ha (545.25 Has been made available. Hence, a total of 802.05 Ha (545.25 Has been made available. Hence, a total of 802.05 Ha (545.25 Has been made available. Hence, a total of 802.05 Ha (545.25 Has been made available. Hence, a total of 802.05 Ha (545.25 Has been made available. Hence, a total of 802.05 Ha (545.25 Has been made available. Hence, a total of 802.05 Ha (545.25 Has been made available. Hence, a total of 802.05 Ha (545.25 Has been made available. Hence, a total of 802.05 Ha (545.25 Has been made available. Hence, a total of 802.05 Has (545.25 Has been made available. Hence, a total of 802.05 Has (545.25 Has been made available. Hence, a total of 802.05 Has (545.25 Has been made available. Hence, a total of 802.05 Has (545.25 Has been made available. Hence, a total of 802.05 Has (545.25 Has been made available. Hence, a total of 802.05 Has (545.25 Has been made available. Hence, a total of 802.05 Has (545.25 Has been made available. Hence, a total of 802.05 Has (545.25 Has been made available. Hence, a total of 802.05 Has (545.25 Has been made available. Hence, a total of 802.05 Has (545.25 Has been made available. Hence, a total of 802.05 Has (545.25 Has been made available. Hence, a total of 802.05 Has (545.25 Has been made available. Hence, a total of 802.0	tive a & cate la + and
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e) Out of total 1400 ha (DSS Calculated) forest land proposed for CA, 31 ha of land is characterized with Moderately Dense Forest.  viii) Quantitative details of deaths of human and Chatra North:209Ha) along with CA Scheme, Suitability Certification has been made available. Hence, a total of 802.05 Ha (545.25 Has been made available. Hence, a total of 802.05 Ha (545.25 Has been made available. Hence, a total of 802.05 Ha (545.25 Has been made available. Hence, a total of 802.05 Ha (545.25 Has been made available. Hence, a total of 802.05 Ha (545.25 Has been made available. Hence, a total of 802.05 Ha (545.25 Has been made available. Hence, a total of 802.05 Ha (545.25 Has been made available. Hence, a total of 802.05 Ha (545.25 Has been made available. Hence, a total of 802.05 Ha (545.25 Has been made available. Hence, a total of 802.05 Ha (545.25 Has been made available. Hence, a total of 802.05 Ha (545.25 Has been made available. Hence, a total of 802.05 Ha (545.25 Has been made available. Hence, a total of 802.05 Ha (545.25 Has been made available. Hence, a total of 802.05 Has been made available. Hence, a total of 802.05 Has (545.25 Has been made available. Hence, a total of 802.05 Has (545.25 Has been made available. Hence, a total of 802.05 Has (545.25 Has been made available. Hence, a total of 802.05 Has (545.25 Has been made available. Hence, a total of 802.05 Has (545.25 Has been made available. Hence, a total of 802.05 Has (545.25 Has been made available. Hence, a total of 802.05 Has (545.25 Has been made available. Hence, a total of 802.05 Has (545.25 Has been made available. Hence, a total of 802.05 Has (545.25 Has been made available. Hence, a total of 802.05 Has (545.25 Has been made available. Hence, a total of 802.05 Has (545.25 Has been made available. Hence, a total of 802.05 Has (545.25 Has been made available. Hence, a total of 802.05 Has (545.25 Has been made available. Hence, a total of 802.05 Has (545.25 Has been made available. Hence, a total of 802.05 Has (545.25 Has been made available	tate Ha + and
e) Out of total 1400 ha (DSS Calculated) forest land proposed for CA, 31 ha of land is characterized with Moderately Dense Forest.  viii) Quantitative details of deaths of human and Vears i.e., 2019-20 to 2023-24 under Chatra South Forest Division (S45.25 Ha (545.25 Ha (545.	la + and
Calculated) forest land proposed for CA, 31 ha of land is characterized with Moderately Dense Forest.  Viii) Quantitative details of deaths of human and years i.e., 2019-20 to 2023-24 under Chatra South Forest Division CA II with compensatory afforestation scheme, revised KML files, Do & Topo Maps are enclosed as Annexure: XIV.	and
proposed for CA, 31 ha of land is characterized with Moderately Dense Forest.  viii) Quantitative details of deaths of human and years i.e., 2019-20 to 2023-24 under Chatra South Forest Division with compensatory afforestation scheme, revised KML files, Do & Topo Maps are enclosed as Annexure: XIV.	en anne anne de la
is characterized with Moderately Dense Forest.  Viii) Quantitative details of Quantitative details of deaths of human and years i.e., 2019-20 to 2023-24 under Chatra South Forest Division of the compensatory of the compensator	373
Moderately Dense Forest.  viii) Quantitative details of Quantitative details of deaths of Human and Elephants in last deaths of human and years i.e., 2019-20 to 2023-24 under Chatra South Forest Division	
viii) Quantitative details of Quantitative details of deaths of Human and Elephants in last deaths of human and years i.e., 2019-20 to 2023-24 under Chatra South Forest Divis	- 10
deaths of human and years i.e., 2019-20 to 2023-24 under Chatra South Forest Divis	five XV
alambanta in last five years is attached as Ampayura VV	ion
elephants in last five years is attached as Annexure-XV.	
may be furnished by the DFO Chatra South Division has submitted that there is no Noti	fied
State along with details of Elephant Corridors in Chatra South Forest Division. On the basi	s of
existing and proposed elephant movements, three elephant corridors have be	- 4
elephant corridors in the proposed in Chatra South forest division. However, the propo	
landscape. mining project does not fall on any of these proposed eleph	33 63
corridors.	
ix) External dump is being The User Agency has submitted that the external dump	of XVI&
proposed in 86.16 ha of Chandragupta OCP is proposed in an area of 89.16 Ha of land	
land in Amrapali OCP, Amrapali OCP. The approval of Project report enclosed in	1965
which is not given in the form of CDof Amrapali OCP along with approved dump	
proposal but included in strategy plan is attached as Annexure XVI for quick perusal.	
Mining Plan. Therefore, The compliance status of already diverted forest proposal	of
compliance status of 531.64 Ha in respect of Amrapali OCP is enclosed Complia	1
Amrapali OCP shall be report of Amrapali by User Agency as Annexure XVII)	
submitted.	
x) In case Amrapali OCP is not The User Agency has submitted that both Amrapali OCP	and
of the UA then an NOC from   Chandragupta OCP are the projects of Central Coalfields Limi	ted
the UA of Amrapali OCP under the administrative control of 'Amrapali & Chandrag	upt
shall be submitted. Area'. As such, no NOC is required for Chandragupta OCP fr	om
Amrapali OCP.	
R No.	*
xi) Amrapali OCP boundary is CMPDIL, Ranchi has prepared a Report on the Anticipated Impa	acts XVIII
in the west side of the Barki of proposed mining on either side of Barki River and	its
River, the impact of having management plan. (Report of CMPDIL is attached by User Age	ncy
mining on both the sides of as Annexure-XVIII).	30
river will require deep Following are the key findings of the report:	
understanding of the 1) There shall not be any obstruction to the flow of Barki Riv	ver.
impact of hydrology of the Mining is proposed by leaving approx. 100 m on Amraj	oali
river, so comments of the side and 60 m on Chandragupt side from the HFL of the Riv	er.
State shall be submitted in   2) This safety zone will act as a buffer between the natural stre	
this regard. and active mining area, thereby safeguarding the banks	1887
Barki River from erosion, keeping the catchment area	
stream assisted by natural channel slope, sustaining the stre	am
flow, and preserving the riverine eco-system.	
,	

		act as surge ponds and effectively reduce the peak flow rates in Barki River. Thus, Barki River will not experience any flooding-related problems during heavy rainfall.  Additionally, as part of the study on diversion of Chutki nalla, IIT Roorkee has conducted a study on Barki river also. The study states that Barki has a catchment of 231.50 sqkm.  The study suggests no risk of flooding on the surrounding landscape.  Alsoany deficit in natural run-off will be compensated by mine	
		discharge and run-off from reclaimed land and hence there will not be any variation in the flow of Barki river.	
	9	Therefore, it can be ascertained that there will not be any direct impact of proposed mining on the surface hydrology of Barki River.	
		Control measures like toe wall, garland drain, check dams and siltation ponds to arrest siltation, and ETP with oil and grease removal mechanism to treat workshop effluents, will be in place.  ( The DPR from IIT,ROORKEE is enclosed in the form of CD by User Agency as Annexure VII)	6.
xii)	A high level bridge over Barki river needs to be constructed to connect the proposed OCP, the location of the bridge and its connectivity should be shown through KML for further DSS analysis.	A high-level bridge over Barki riverfor connectivity with the Chandragupt OCP is proposed by the user Agency. The KML file is attached in the form of CD by User Agency as Annexure XIX)	XIX
xiii)	Chotki river falling in the proposed site has to be diverted as per the proposal but the site inspection report or the comments of the State is silent on it, specially about its impact on the water security and hydrological cycle downstream.	The User Agency has submitted that the Sub Divisional Officer, Waterways Subdivision, Hazaribagh of Govt of Jharkhand has carried out site inspection of Chhotki river and submitted report to Executive Engineer, Water Resource Department with comments and recommendation.  The diversion proposal has further been recommended by Chief Engineer (Water Resources Department), Jal Bhawan, Ranchi for issuance of NoC.	2
xiv)	Since the area has elephant therefore the cases of the Human Elephant conflicts in the district needs to be looked into, for which deaths of human and elephants in the Chatra and	Quantitative details of deaths of human and elephants and Loss of property and crop damage and compensation in last five years i.e., 2019-20 to 2023-24 under Chatra South Forest Division is attached as Annexure-XV	

				(1)
,		Hazaribagh district in last five years to be provided. Loss of property and crop damage and compensation given and pending should also be provided.		
	xv)	Recommendation of the CWLW will be needed specially regarding need of wildlife management and mitigation of conflict plan.	Management and mitigation of Man and animal conflict. (Copy enclosed as Annexure I)	1

वन प्रमंडल पदाधिकारी, चतरा दक्षिणी वन प्रमंडल से प्राप्त निराकरण प्रतिवेदन की छः प्रतियां इस पत्र के साथ संलग्न कर अग्रेतर आवश्यक कार्रवाई हेतु समर्पित की जा रही है।

अनु0-यथोक्त।

आपका विश्वासी,

प्रादेशिक अंचल, चतरा।





# कार्यालय : वन संरक्षक, प्रादेशिक अंचल, हजारीबाग

वन भवन — 1, हजारीबाग 825301 (झारखण्ड) Ph. & Fax (O) - 06546 -222393, Cell No. : 8987790202 E-mail: <u>cf-hazaribagh@gov.in</u>

पत्रांकः 225

दिनांक : 05.02- 2024

सेवा में,

क्षेत्रीय मुख्य वन संरक्षक, हजारीबाग।

विषय :--

सी०सी०एल० द्वारा चन्द्रगुप्त खुली खदान कोल परियोजना हेतु 699.38 हे० (चतरा दक्षिणी वन प्रमंडल अन्तर्गत— 400.96 हे० एवं हजारीबाग पश्चिमी वन प्रमंडल अन्तर्गत— 298.42 हे०) वन भूमि अपयोजन (ऑनलाईन प्रस्ताव सं0— PF/JH/MIN/140599/2021) प्रस्ताव के संबंध में।

प्रसंग :--

प्रधान मुख्य वन संरक्षक –सह– कार्यकारी निदेशक, बंजर भूमि विकास बोर्ड, झारखण्ड, राँची का पत्रांक 979 दिनांक 03.10.2023 एवं आपका ज्ञापांक 2354 दिनांक 05.10.2023

महाशय,

उपर्युक्त विषयक प्रासंगिक पत्र के संदर्भ में सूचित करना है कि विषयक परियोजना में भारत सरकार, पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय, न्यू दिल्ली का पत्रांक 8-24/2023-FC दिनांक 22.09.2023 द्वारा 15 बिन्दुओं पर पृच्छा की गई है, जिसके आलोक में वन प्रमंडल पदाधिकारी, हजारीबाग पश्चिमी वन प्रमंडल ने अपने पत्रांक 867 दिनांक 05.02.2024 द्वारा बिन्दुवार निराकरण प्रतिवेदन प्रयोक्ता अभिकरण से प्राप्त कर इस कार्यालय में समर्पित किया गया है। निराकरण प्रतिवेदन की स्थिति निम्नवत है—

Con ditio n No.	Queries raised by GoI	Compliance report	Annex
1	3	5	
i)	As Schedule-I species have been reported in the area and DFO also mentioned the fragmentation of wildlife habitat, comments of PCCF (Wildlife) and CWLW Jharkhand on the likely impact of the project on the movement of wildlife in general and elephant in particular needs to be furnished by the State. Further, comments may also be furnished on the adequacy of mitigation measures like Site Specific Wildlife Management Plan or Comprehensive Integrated Wildlife Management proposed for the area.	The applied area is a good habitat of wildlife, the proposed area and its surrounding area also, being a habitat of many wild animals, shall definitely bear some impacts on residing and adjoining wild animals for which a Wildlife Management Plan shall be required," the Asian Elephant, the endangered ones, through do not reside in the proposed areas, they visit these areas every year in search food and fodder and damage the crops, houses etc.,  In order to minimize the impact of the proposed mining operation on the environment, it is considered absolutely necessary to prepare a site-specific wildlife management plan and implement it at the expense of the user agency in order to accept the proposed proposal.  The comments on adequacy of mitigation measures shall be made after receipt of such mitigation plans prepared as compliance of in principle approval.  In this regard, the user agency has submitted a certificate of Undertaking. Enclosed as Annexure-III)	1, 11 & 111
ii)	The authorities in the State Forest Department have recommended preparation of various Plans and their	The plans as recommended by State Forest department along with their tentative cost, timeline for preparation and duration of implementation is given as under:-	
	implementation either before or concurrently with the mining operations. Detail of such plans, in tabular form indicating clearly against	Plans Tentative Timeline for Duration of cost (In Preparation Implementation Rs)	12
	them, their tentative cost, time		





= = 1			T
	required for preparation and duration of implementation, etc. need to be furnished by the State.	Wildlife   35-45   One month after   Over a period of	
iii)	In online Part-II, it has been reported that the proposed forest land is moderately vulnerable to erosion. Therefore, mitigation measures in this	Soil & 25-35  Moisture Crore grant of In- Conserva tion Plan  One month after Over a period of In- principle approval operation	ш
	regard needs submission.	Top soil 25-35  manage Crore grant of In- plan  One month after Over a period of grant of In- principle approval operation	0.50
		<ol> <li>User Agency shall prepared and submit the above mentioned plans once In-principle approval is granted to them and the actual cost shall be deposited in CAMPA account before actual breaking/ non-forestry use of the forest land.</li> <li>In this regard, the user agency has submitted a certificate of Undertaking. Enclosed as annexure-III)</li> </ol>	
iv)	Cost benefit Ratio has been estimated as 1:81.92 which is exorbitantly high. The analysis may be revisited by the	In this regard User agency has been submitted revised Cost Benefit Analysis in light of guidelines issued by MoEF&CC, GoI in this regard dated 06.01.2022. Enclosed as annexure- V	v
	user agency by applying appropriate economic tools to accurately estimate the various parameters and detailed analysis thereof may be submitted to the Ministry.		
v)	Detail of safety zone of the mining leases for raising afforestation has not been submitted along with the proposal. Same needs to be submitted along with complete detail of supporting attributes such as afforestation scheme, suitability certificate, KML files, etc.	The user agency has left a patch 7.5m of forest land all along the Coal Block Boundary as proposed Safety Zone. The area of safety zone comes to be 2.9 ha. which is part of 699.38 Ha of forest land diversion proposal. Plantation and subsequent maintenance of the safety zone will be done by the user agency at their own cost.  Compensatory afforestation plan over double degraded forest land has already been identified for 1400 Ha which also includes CA area against the 2.9 Ha of safety zone.  The afforestation scheme of entire 1400 Ha along with suitability certificate, KML file of 1400 Ha CA land (which includes 5.8 Ha CA demarcated separately in Damdoya Village against 2.9 Ha safety zone) and KML file of 2.9 Ha safety zone, are enclosed in the form of CD enclosed by user agency as Annexure VI.	VI
vi)	From the purpose-wise breakup of forest land, the following may be ascertained:		*
a)	An area of 0.14 ha has been proposed for diversion of Nadi/nalla. The status of feasibility reports for said diversion along with comments of Water Resource Department on the	A DPR of Chhotki Stream diversion and straightening of the meander notch of Barki River has been prepared by IIT Roorkee. (The DPR enclosed by user agency in the form of CD as Annexure VII)	VII & VIII

. 4		To the Chief Faringer
	feasibility of said proposed diversion needs to be informed by the State.	Diversion proposal has been recommended by Chief Engineer (Water Resources Department), Jal Bhawan, Ranchi for issuance of NOC. (The recommendation along with comments of Water Resource Department has been enclosed by user agency as Annexure VIII).
b)	An area of 13.94 ha of forest land has been proposed for infrastructure while only 2.3 ha only has been proposed in non-forest land. The State Government may therefore assess the legitimacy of site-specificity of various infrastructural components and possibility to shift non-site-specific components to the non-forest land.	This query is related to Chatra South Forest Division, therefore the compliance to be given by Chatra South Forest Division.
c)	A total forest land of 36.82 ha of forest land has been proposed for Green belt which is in addition to 2.9 ha of forest land earmarked for safety zone. Rationalize for including green belt area in the project which could otherwise be excluded from the project and be managed by the Forest Department. Considered view of the State Government in this regard needs to be furnished	<ol> <li>The location map of the project shows that the proposed project is bounded by Mining (existing as well as proposed) projects on all the four sides, rendering the management of forest patch difficulty by the Forest Department.</li> <li>The User Agency has submitted that, in compliance of generic condition of EC approval, belt of width not less than 7.5 mtrs shall be developed all along the mine lease area. This apart, the statutory barriers against surface features like river, nallah, public road etc. are to be maintained as per Coal Mines Regulation 2017. As a best practice measure, the area left as barriers is developed and maintained as Green belt with a view to enhance the plantation cover and decrease the carbon footprint. Such green belts also function as wind breaks.</li> <li>The User Agency has submitted that, the area is also required to maintain mine boundary in continuity and to divert entire forest land falling within the project boundary.</li> <li>Also the user agency has submitted they have proposed the green belt as part of mitigation measures for dust suppression.</li> </ol>
		It is evident from above that it will be very difficult for State Forest department to manage the intervening parcels of forest land bounded by mining activities and statutory restrictions against surface features. Further since this land is not a concentrated land parcel therefore, it is proposed that 55.61 Ha (which includes 36.82 ha green belt proposed earlier + 18.79 Ha. forest land now made available due to shifting of infrastructural activities to non-forest) of land will be managed as green belt by the user agency after getting it demarcated on the ground by means of erecting RCC pillars. The area will be kept and maintained as such and no non-forest activity should be undertaken therein.

3			
d)	Details of area proposed for dumping	The User Agency has submitted that,	IX & X
	of overburden is not available in the		
	purpose-wise breakup. Comments in	1) Chandragupta OCP mine has been planned in a sustainable manner and >95% of OB will be dumped internally so as to	
	this regard may be provided by the	minimize the land degradation to the minimum extent possible.	
	State Government.	<ol> <li>Total volume of overburden expected to be generated in Chandragupta OCP is 995.34 Mn cum. Out of this, 946.96 Mn cum (=95%) is proposed as internal dump without affecting any external surface area other than the quarry itself.</li> <li>Only 48.38 Mn cum is proposed to be dumped externally in the nearest adjoining operational mine of Central Coalfields Limited i.e., Amrapali OCP.</li> </ol>	=
	9	Integrated Dump plan of Amrapali OCP incorporating 48.38 Mn m <sup>3</sup>	*
		of Chandragupt OCP is enclosed by User Agency as Annexure IX	
		Copy of Dumping Strategy as per the approved PR of Chandragupt	
	***	Project and Amrapali project has been enclosed by User Agency as	
		Annexure X	
	-	8 g	
		CHANDRAGUPT OCP	
		AMRAPAU DOS CE CAMPIA AL COMPANION DE CAMPIA	
vii	Analysis of the area proposed for		
	diversion and area proposed for CA		
	area using DSS analysis revealed the		
	following which needs clarification:	a and a second s	
a)	Google imagery shows the presence of	The User Agency has submitted that the roads passing through the	XI
	Settlements, Roads and Agriculture	forest area within the coal block will be shifted outside the Coal	
	land etc. within the proposed forest	block boundary along with shifting of village habitat and encroachers at the time of commencement of mining operations.	
	land for diversion	(Correspondence letters enclosed as Annexure XI).	
b)	As per Google imagery, Tandwa	This query is related to Chatra South Forest Division, therefore the	
ē.	Barrage has been constructed after	compliance to be given by Chatra South Forest Division.	
	the year 2016 over the Garhi Nadi		
	(River) and part of barrage project is	500 E	
	falling in the forest patch which has	10	
	been proposed for diversion.	2	





- the Google imagery shows c) encroachment of Agriculture land, plantation activities and presence of settlement in CA patches.
- d) An earthen pond created recently in the CA patch namely Mahuari and New Road has been constructed in the CA patch namely Village - Kendua.
- Out of total 1400 ha (DSS Calculated) e) forest land proposed for CA, 31 ha of land is characterized with Moderately Dense Forest.

In this regarding A total of 600 ha. of degraded forest land was proposed as CA land under Hazaribagh West Forest Division and Chatra South Forest Division. In light of the observations made by MoEF&CC, GoI vide letter dated 22.09.2023, the CA sites were physically verified. After verification it was found that 262.30 ha land was not suitable for CA plantation on account of various reasons as meantioned in the table below. Afresh encumbrance free CA land of 259.60 ha has been proposed in Hazaribagh West Forest Division & Chatra South Forest Division. Thus a total of 597.70 (Previous proposed CA land 337.70 ha. under and proposed fresh CA land 259.60 Ha. under Hazaribagh West Forest Division & Chatra South Forest Division) has been proposed against diverted land of 298.42 ha. CA Scheme and Suitability Certificate, KML, DGPS & Topo Maps as enclosed as Annexure: XII

			Details of C	A Land		
S. No	Name of the PF/RF	Range	No	Proposed Area (Ha)		After verification area (Ha)
1	Basaria	Barhi	132, 133, 134	15.00	Earthern Dam present	10.00
2	Basaria	Barhi	17,22,23,25, 26,79	41.68	Mined out Area & Plantation work	
3	Basaria	Barhi	170	5.00	Encroachment of Agriculture land in the CA patch namely	
4	Mungarmao	Barhi	100, 107, 110, 113	20.00		19.91
5	Chandgarh	Barhi	131, 133, 134, 139	64.88	1	64.70
6	Jatghagra	Barhi	80	6.00	Encroachment of Agriculture land in the CA patch namely	
7	Lachudih	Barhi	34, 43, 45	16.75		16.75
8	Gaira	Barhi	3050, 3081	26.00	Plantation work carried out in CA	
9	Lohri	Chatra	32, 33, 34, 35	45.00	Encroachment of Agriculture land in the CA patch	
10	Sinduarikhur d	Chatra	2P, 3P, 4P, 5P	29.65		29.65
11	Unta	Chatra	1P	50.00		49.99
12	Deochanda	Barhi	853, 870, 872, 873		Encroachment of Agriculture and plantation activities visible	
13	Lachudih	Barhi	18 & 19	23.25		23.00
14	Jatghagra	Barhi	155	5.00		5.00
15	Jatghagra	Barhi	1289, 1345		Encroachment of Agriculture and in the CA patch namely	11.00
16	Kendua	Barhi	2, 14, 26, 149, 190, 192	40.24	2 1	39.00
17	Kendua	Barhi	428, 429, 432, 433	t	New Road has been constructed in the CA patch	34.70
8	Jarahiya	Barhi	143, 194	34.12		34.00



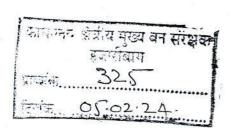
	¥								
		19	Gaira	Barhi	3081	20.00	plantation work carried out recently		
				Total		600.00		337.70	
		-	1 5 1	-	Proposed Fres	n CA Land	ı	F 00	
		20	Damdoya	Chatra	1359 1585,1594,		+	5.80	
	i i i i i i i i i i i i i i i i i i i	21	Dahu	Tandwa	1611, 1472P, 1931P, 1935P, 1936P	21	8	23.80	
	4	22	Madhuban	Barhi	1019(P)	-		25.00	
	65 N ONO								
		23	Lokiya	Barhi	1(P), 421(P), 592(P), 598(P)	•		50.00	
		24	Badiyajwar	Barhi	750(P), 751(P), 752(P)	-		38.00	
		25	Balori	Barhi	62(P), 63(P), 64(P), 65(P)	-		68.00	
	e "	26	Simarkurha	Barhi	409, 412, 413, 414, 415, 419, 421, 423	-	,	49.00	
	N N	-					Total	259.60	
							Grand Total	597.30	
	human and elephants in last five years may be furnished by the State along with details of existing and proposed elephant corridors in the landscape.	Hazaril XIII) There Divisio corrido Howev propos	is no notifi n. On the ors have be er, the pro ed elephan	ed elep basis en prop posed n	Division. (D hant corrido of elephan posed in Haz nining proje ors.	etails e ors in H t move aribagh ct does	24 as attache enclosed as A azaribagh We ements, five n West Forest not have any	st Forest elephant Division. of these	· ,
ix)	External dump is being proposed in 86.16 ha of land in Amrapali OCP, which is not given in the proposal but included in Mining Plan. Therefore compliance status of Amrapali OCP shall be submitted.	Chandr Amrap of CD of is attac The con Ha in in Amrap	The User Agency has submitted that the external dump of Chandragupta OCP is proposed in an area of 89.16 Ha of land in Amrapali OCP. The approval of Project report enclosed in the form of CD of Amrapali OCP along with approved dumping strategy plan is attached as Annexure XIV for quick perusal.  The compliance status of already diverted forest proposal of 531.64 Ha in respect of Amrapali OCP is enclosed Compliance report of Amrapali by User Agency as Annexure XV)						XIV & XV
x)	In case Amrapali OCP is not of the UA then an NOC from the UA of Amrapali OCP shall be submitted.	The User Agency has submitted that both Amrapali OCP and Chandragupta OCP are the projects of Central Coalfields Limited under the administrative control of 'Amrapali & Chandragupt Area'. As such, NOC is not required for Chandragupta OCP from Amrapali OCP.							
xi)	Amrapali OCP boundary is in the west side of the Barki river, the impact of having mining on both the sides of river will require deep understanding of the impact of hydrology of the river,				natra South Chatra Sout		Division, there t Division.	fore the	



(29)

			-
	so comments of the State shall be submitted in this regard.		
xii)	A high level bridge over Barki river	This query is related to Chatra South Forest Division, therefore the	
	needs to be constructed to connect	compliance to be given by Chatra South Forest Division.	
	the proposed OCP, the location of the		
	bridge and its connectivity should be		
	shown through KML for further DSS	27 E)	
	analysis.		
xiii)	Chotki river falling in the proposed	The User agency has submitted that the Sub Divisional Officer,	
	site has to be diverted as per the	Waterways Subdivision, Hazaribagh of Govt of Jharkhand has carried	
	proposal but the site inspection report	out site inspection of Chhotki river and submitted to Executive	
	or the comments of the State is silent	Engineer, Water Resource Department with the following	
	on it, specially about its impact on the	recommendation.	
	water security and hydrological cycle	The diversion proposal has further been recommended by Chief	
	downstream.	Engineer (Water Resources Department), Jal Bhawan, Ranchi for	
		issuance of NoC.	
xiv)	Since the area has elephant therefore	Quantitative details of deaths of human and elephants and Loss of	XIII
	the cases of the Human Elephant	property and crop damage and compensation in last five years i.e.,	
	conflicts in the district needs to be	2019-20 to 2023-24 under Hazaribagh West Forest Division (Details	
	looked into, for which deaths of	enclosed as Annexure-XIII)	
	human and elephants in the Chatra	u a	
	and Hazaribagh district in last five	a 2	
	years to be provided. Loss of property	, a	
	and crop damage and compensation	a a grant and a gr	
	given and pending should also be		
TA (2)	provided.		
xv)	Recommendation of the CWLW will be	The CWLW has given comments regarding need of wildlife	I
	needed specially regarding need of	Management and mitigation of Man and animal conflict. (Copy	
	wildlife management and mitigation	enclosed as Annexure I)	
	of conflict plan.		

अतएव वन प्रमंडल पदाधिकारी, हजारीबाग पश्चिमी वन प्रमंडल से प्राप्त निराकरण प्रतिवेदन की 6 प्रति इस पत्र के साथ संलग्न कर भेजते हुए अनुरोध है कि अपने स्तर से यथोचित कार्रवाई करने की कृपा की जाय। अनु0-यथोक्त।



आपका विश्वासी, वन संरक्षक प्रादेशिक अन्यल, हजारीबाग







## कार्यालय – वन प्रंमडल पदाधिकारी, हजारीबाग पश्चिमी वन प्रमंडल, वन भवन, हजारीबाग

206546-222339, Email- dfo.hazaribaghwest@rediffmail.com & dfo-hazaribaghwest@gov.in

पत्रांकः 867

दिनांक : 5 2 2 2

सेवा में.

वन संरक्षक.

प्रादेशिक अंचल, हजारीबाग।

विषय:--

सी०सी०एल० द्वारा चन्द्रगुप्त खुली खदान कोल परियोजना हेतु 699.38 हे० (चतरा दक्षिणी वन प्रमंडल अन्तर्गत- 400.96 हे0 एवं हजारीबाग पश्चिमी वन प्रमंडल अन्तर्गत- 298.42 हे0) वन भूमि अपयोजन (ऑनलाईन प्रस्ताव सं0- PF/JH/MIN/140599/2021) प्रस्ताव के संबंध में।

प्रसंग :-

1. भारत सरकार, पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय, न्यू दिल्ली का पत्रांक 8-24/2023-FC दिनांक 22.09.2023

2. प्रधान मुख्य वन संरक्षक –सह– कार्यकारी निदेशक, बंजर भूमि विकास बोर्ड, झारखण्ड, राँची का पत्रांक 979 दिनांक 03.10.2023 आपका पत्रांक 219 दिनांक 05.02.2024

महाशय,

उपर्युक्त विषयक प्रासंगिक पत्र 1 द्वारा 15 बिन्दुओं पर पृच्छा की गई है। उक्त के आलोक में परियोजना पदाधिकारी, चन्द्रगुप्त खुली खदान परियोजना, आम्रपाली चन्द्रगुप्त एरिया, सी०सीं०एल०, भी.टी.सी. भवन, होन्हे, टण्डवा ने अपने पत्रांक GM(AC)/PO(Chandragupta)/2023-24/220 दिनांक 18.12.2023 द्वारा बिन्दुवार अनुपालन प्रतिवेदन समर्पित किया गया है। पुनः आपके कार्यालय पत्रांक 219 दिनांक 05.02.2024 द्वारा की गई पच्छा के आलोक में अनुपालन प्रतिवेदन निम्नवंत है-

Con ditio	Queries raised by GoI	Compliance report	Annex
n No.	3	5	
i)	As Schedule-I species have been reported in the area and DFO also mentioned the fragmentation of wildlife habitat, comments of PCCF (Wildlife) and CWLW Jharkhand on the likely impact of the project on the movement of wildlife in general and elephant in particular needs to be furnished by the State. Further, comments may also be furnished on the adequacy of mitigation measures like Site Specific Wildlife Management Plan or Comprehensive Integrated Wildlife Management proposed for the area.	The applied area is a good habitat of wildlife, the proposed area and its surrounding area also, being a habitat of many wild animals, shall definitely bear some impacts on residing and adjoining wild animals for which a Wildlife Management Plan shall be required," the Asian Elephant, the endangered ones, through do not reside in the proposed areas, they visit these areas every year in search food and fodder and damage the crops, houses etc.,  In order to minimize the impact of the proposed mining operation on the environment, it is considered absolutely necessary to prepare a site-specific wildlife management plan and implement it at the expense of the user agency in order to accept the proposed proposal.  The comments on adequacy of mitigation measures shall be made after receipt of such mitigation plans prepared as compliance of in principle approval.  In this regard, the user agency has submitted a certificate of Undertaking. Enclosed as Annexure-III)	
ii)	The authorities in the State Forest Department have recommended preparation of various Plans and their implementation either before or concurrently with the mining operations. Detail of such plans, in tabular form indicating clearly against	their tentative cost, timeline for preparation and duration of implementation is given as under:-  Plans Tentative Timeline for Duration of Implementation  Rs)	

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			l after	Over a period of	Secretary with
them their telliative cost,	Wildlife Manage ment Plan	35-45 Crore	One month after grant of Inprinciple approval	10 years of operation	
iii) In online Part-II, it has been reported that the proposed forest land is moderately vulnerable to erosion.	Soil & Moisture Conservation Plan	25-35 Crore	One month after grant of Inprinciple approval	10 years of operation	Ш
Therefore, mitigation measures in this regard needs submission.	Top soil manage ment	Crore	One month after grant of Inprinciple approval	10 years of operation	
	plans once cost shall be non-forestr	In-principle of deposited y use of the frequency the use of the use use of the use of th	prepared and submit approval is granted to in CAMPA account beforest land.  user agency has submit as annexure-III)		: *: <sub>::</sub>
iv) Cost benefit Ratio has been estimated as 1:81.92 which is exorbitantly high. The analysis may be revisited by the user agency by applying appropriate economic tools to accurately estimate the various parameters and detailed analysis	Analysis i regard date	n light of gi	ncy has been submitte uidelines issued by M 2. Enclosed as annexur	d revised Cost Benefit oEF&CC, GoI in this e- V	V
thereof may be submitted to the		agency has l	eft a patch 7.5m of fo	orest land all along the	VI
v) Detail of safety zone of the mining leases for raising afforestation has not been submitted along with the proposal. Same needs to be submitted along with complete detail of supporting attributes such as	coal Bloc zone com diversion safety zo	k Boundary nes to be 2.9 proposal. Pl ne will be do	as proposed Safety 20 ha. which is part of 6 antation and subsequence he by the user agency	99.38 Ha of forest land ent maintenance of the at their own cost.	
afforestation scheme, suitability certificate, KML files, etc.	has alrea against t The affo certificat	ndy been ider he 2.9 Ha of strestation sch te, KML file o	ntified for 1400 Ha Whi safety zone. neme of entire 1400 H of 1400 Ha CA land (w	le degraded forest land ch also includes CA area la along with suitability hich includes 5.8 Ha CA e against 2.9 Ha safety	
	zone) ar	nd KML file o	f 2.9 Ha safety zone, a er agency as Annexure	ire enclosed in the form	
vi) From the purpose-wise breakup of forest land, the following may be	e	The second of			VII &
ascertained:  a) An area of 0.14 ha has been propose for diversion of Nadi/nalla. The statu of feasibility reports for sa diversion along with comments	us id of	Roorkee. (T	otch of Barki River ha The DPR enclosed by us xure VII)	and straightening of the as been prepared by IIT ser agency in the form of	VIII
Water Resource Department on the feasibility of said proposed diversion	ne Diversi	on proposal	has been recommen	nded by Chief Engineer	



2014-1-1-17			
		(Water Resources Department), Jal Bhawan, Ranchi for issuance of	
	needs to be informed by the State.	(Water Resources Department), sai blower, with comments of Water	
	Heeds to be investigated	NOC. (The recommendation along with comments of Water	
Je .		Resource Department has been enclosed by user agency as	
			30
	as all ad hos	This query is related to Chatra South Forest Division, therefore the	
b)	An area of 13.94 ha of forest land has	compliance to be given by Chatra South Forest Division.	
	been proposed for infrastructure	Compliance to be given ay	
	while only 2.3 ha only has been		
	proposed in non-forest land. The		
	State Government may therefore		
8.50	assess the legitimacy of site-		
	specificity of various infrastructural		
20	specificity of various influences		
	components and possibility to shift		
	non-site-specific components to the		ě
8	non-forest land.	The location map of the project shows that the proposed	
c)	A total forest land of 36.82 ha of	1) The location map of the project shows the project is bounded by Mining (existing as well as proposed)	
	forest land has been proposed for		
	Green belt which is in addition to 2.9		
	ha of forest land earmarked for		
	ha of forest land earmand	The User Agency has submitted that, in compilative of	9 3
	safety zone. Rationalize for including	reparis condition of FC approval, belt of width not less than	
	green belt area in the project which	7.5 mtrs shall be developed all along the mine lease area.	
	could otherwise be excluded from the	This apart, the statutory barriers against surface features like	
5 6	project and be managed by the Forest	u i sublic road etc are to be maintained as per	
	Department. Considered view of the	Coal Mines Regulation 2017. As a best practice measure, the	ı
	State Government in this regard	Coal Mines Regulation 2017. As a best process	
-	needs to be furnished		
	needs to be furnished	belt with a view to enhance the plantation cover and	
		decrease the carbon footprint. Such green belts also	
4	The said of the sa	function as wind breaks.	
0 1.552		The User Agency has submitted that, the area is also	
		3) The User Agency has submitted they required to maintain mine boundary in continuity and to	1
		divert entire forest land falling within the project boundary.	1
		divert entire forest land failing within the project the	1
		4) Also the user agency has submitted they have proposed the	
		green belt as part of mitigation measures for dust	1
		suppression.	
			1
		It is evident from above that it will be very difficult for State Forest	
		department to manage the intervening parcels of forest land	
		bounded by mining activities and statutory restrictions against	:
		surface features. Further since this land is not a concentrated land	
		surface features. Further since this land is not a building includes 36.82	,
		parcel therefore, it is proposed that 55.61 Ha (which includes 36.82	
	The state of the s	halt proposed earlier + 18./9 Ha. forest land now made	-
		table due to shifting of infrastructural activities to non-lorest	'
	2 9	the dutil he managed as green belt by the user agency disc	
		the it demarcated on the ground by means of electing her	_
		pillars. The area will be kept and maintained as such and no non	1-
To the second		pillars. The died will be rept and therein	
-		forest activity should be undertaken therein.	
1	1		_

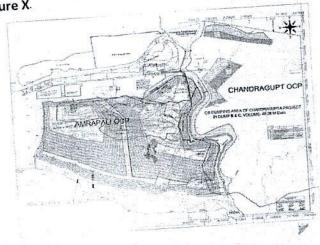
XI

1	d for dumning
d)	Details of area proposed for dumping of overburden is not available in the purpose-wise breakup. Comments in this regard may be provided by the State Government.

The User Agency has submitted that,

- Chandragupta OCP mine has been planned in a sustainable manner and >95% of OB will be dumped internally so as to minimize the land degradation to the minimum extent possible.
- 2) Total volume of overburden expected to be generated in Chandragupta OCP is 995.34 Mn cum. Out of this, 946.96 Mn cum (=95%) is proposed as internal dump without affecting any external surface area other than the quarry itself.
- Only 48.38 Mn cum is proposed to be dumped externally in the nearest adjoining operational mine of Central Coalfields Limited i.e., Amrapali OCP.

Integrated Dump plan of Amrapali OCP incorporating 48.38 Mn m<sup>3</sup> of Chandragupt OCP is enciosed by User Agency as **Annexure IX** Copy of Dumping Strategy as per the approved PR of Chandragupt Project and Amrapali project has been enclosed by User Agency as **Annexure X**.



- vii Analysis of the area proposed for diversion and area proposed for CA area using DSS analysis revealed the following which needs clarification:
  - Google imagery shows the presence of Settlements, Roads and Agriculture land etc. within the proposed forest land for diversion
  - b) As per Google imagery, Tandwa Barrage has been constructed after the year 2016 over the Garhi Nadi (River) and part of barrage project is falling in the forest patch which has been proposed for diversion.

The User Agency has submitted that the roads passing through the forest area within the coal block will be shifted outside the Coal block boundary along with shifting of village habitat and encroachers at the time of commencement of mining operations. (Correspondence letters enclosed as Annexure XI).

This query is related to Chatra South Forest Division, therefore the compliance to be given by Chatra South Forest Division.



- c) Google imagery shows the encroachment of Agriculture land, plantation activities and presence of settlement in CA patches.
- d) An earthen pond created recently in the CA patch namely Mahuari and New Road has been constructed in the CA patch namely Village Kendua.
- e) Out of total 1400 ha (DSS Calculated) forest land proposed for CA, 31 ha of land is characterized with Moderately Dense Forest.

In this regarding A total of 600 ha. of degraded forest land was proposed as CA land under Hazaribagh West Forest Division and Chatra South Forest Division. In light of the observations made by MoEF&CC, GoI vide letter dated 22.09.2023, the CA sites were physically verified. After verification it was found that 262.30 ha land was not suitable for CA plantation on account of various reasons as meantioned in the table below. Afresh encumbrance free CA land of 259.60 ha has been proposed in Hazaribagh West Forest Division & Chatra South Forest Division. Thus a total of 597.70 (Previous proposed CA land 337.70 ha. under and proposed fresh CA land 259.60 Ha. under Hazaribagh West Forest Division & Chatra South Forest Division) has been proposed against diverted land of 298.42 ha. CA Scheme and Suitability Certificate, KML, DGPS & Topo Maps as enclosed as Annexure: XII

Details are given below: -

S. No	Name of the PF/RF	Range		Proposed Area (Ha)	Remarks	After verification area (Ha)
1	Basaria	Barhi	132, 133, 134	15.00	Earthen Dam present	10.00
2	Basaria	Barhi	17,22,23,25, 26,79	41.68	Mined out Area & Plantation work	
3	Basaria	Barhi	170	5.00	Encroachment of Agriculture land in the CA patch namely	
4	Mungarmao	Barhi	100, 107, 110, 113	20.00		19.91
5	Chandgarh	Barhi	131, 133, 134, 139	64.88		64.70
6	Jatghagra	Barhi	80	6.00	Encroachment of Agriculture land in the CA patch namely	
7	Lachudih	Barhi	34, 43, 45	16.75		16.75
8	Gaira	Barhi	3050, 3081	26.00	Plantation work carried out in CA	
9	Lohri	Chatra	32, 33, 34, 35	45.00	Encroachment of Agriculture land in the CA patch	
10	Sinduarikhur d	Chatra	2P, 3P, 4P, 5P	29.65		29.65
11	Unta	Chatra	1P	50.00		49.99
12	Deochanda	Barhi	853, 870, 872 873	, 95.24	Encroachment of Agriculture and plantation activities visible	
13	Lachudih	Barhi	18 & 19	23.25		23.00
14	_	Barhi	155	5.00	12 10 10 10 10 10 10 10 10 10 10 10 10 10	5.00
15		Barhi	1289, 1345	16.00	Encroachment of Agriculture land in the CA patch namely	11.00
16	6 Kendua	Barhi	2, 14, 26, 149 190, 192	40.24		39.00
17	7 Kendua	Barhi	428, 429, 43 433		been constructed in the CA patch	
1	8 Jarahiya	Barhi	143, 194	34.12		34.00
1		Barhi	3081	20.00	plantation wor carried out recently	·k

· ):		0.00				600.00		337.70	
-			T	otal	roposed Fres	A STATE OF THE PARTY OF THE PAR			
		20 [	Damdoya	Chatra	1359			5.80	
		20	Dahiu		1585,1594, 1611, 1472P, 1931P, 1935P	-		23.80	
	**************************************	22	Madhuban	Barhi	1936P 1019(P)			25.00	
		23	Lokiya	Barhi	1(P), 421(P), 592(P),	2		50.00	
		24	Badiyajwar	Barhi	598(P) 750(P),	-		38.00	-
					751(P), 752(P)		35.7	68.00	
		25	Balori	Barhi	62(P), 63(P) 64(P), 65(P)	,			
52		26	Simarkurha	Barhi	409, 412, 41 414, 415, 41 421, 423			49.00	
a 1							Total	2.59.60	
2 1			-	-		a la la	<b>Grand Total</b>	597.30	
	human and elephants in tase	unde	r Hazariba	agh We	est Forest	Division	. (Details	as attached enclosed as	× 45 9
ix)	along with details of existing and proposed elephant corridors in the landscape.  External dump is being proposed in	There Division corried Howe prop	dors have ever, the posed eleph	tified ele he bas been propose nant cor	roposed in d mining prices.	ridors in nant mo Hazariba roject do ed that	Hazaribagh vements, figh West Fo es not have the extern a of 89.16	West Forest ive elephant rest Division. any of these hal dump of Ha of land in	XIV &
	along with details of existing and proposed elephant corridors in the landscape.  External dump is being proposed in 86.16 ha of land in Amrapali OCP, which is not given in the proposal but included in Mining Plan. Therefore compliance status of Amrapali OCP shall be submitted.	There Division corried Hower properties of Character Amrof Control is at The Haracter Amrof Control The Haracter Amrof Control The Control	e is no not ion. On to dors have ever, the posed eleph User Age adragupta apali OCP. Dof Amratached as compliance in respect rapali by User Age andragupta	tified elements been proposed and correct has occurrent to the appeal occurrent to the appear occurren	roposed in d mining pridors.  as submitt proposed in proval of Pro	ridors in nant mo Hazariba roject do ed that nan are roject repuick perudiverted is enclo exure XV ed that jects of (Amra	Hazaribagh vements, fi gh West Fo es not have  the exterr a of 89.16 port enclose ed dumping usal. forest prop sed Compli both Amra Central Coa	West Forest ive elephant rest Division. any of these and dump of the form strategy plan osal of 531.64 ance report of the pali OCP and lifields Limited dragupt Area	XIV & XV
ix)	along with details of existing and proposed elephant corridors in the landscape.  External dump is being proposed in 86.16 ha of land in Amrapali OCP, which is not given in the proposal but included in Mining Plan. Therefore compliance status of Amrapali OCP shall be submitted.	There Division corried Hower properties of Character Amrof Control is at The Haracter Amrof Character Amrof Ch	e is no not ion. On to dors have ever, the posed eleph User Age dragupta rapali OCP. Dof Amra tached as compliance in respect rapali by User Age andragupta der the adrouch, NOCP.	tified elements been proposed and correct has occurrent to the application of American services of American occurrent has occurrent to the application of American occurrent has not restricted and the application occurrent to the application occurre	roposed in d mining price of submitted proposed in proval of State of already rapali OCP ency as Annual submitted re the proval of Prova	ridors in hant mo Hazariba roject do ed that n an are roject repuick perudiverted is encloexure XV ed that jects of 'Amra' Chandra	Hazaribagh vements, figh West For es not have the externa of 89.16 port enclose ed dumping usal. forest proposed Complia both Amra Central Coangali & Chanagupta OCP	West Forest ive elephant rest Division. any of these and dump of the form strategy plan osal of 531.64 ance report of the pali OCP and lifields Limited dragupt Area from Amrapa	XIV & XV
ix)	along with details of existing and proposed elephant corridors in the landscape.  External dump is being proposed in 86.16 ha of land in Amrapali OCP, which is not given in the proposal but included in Mining Plan. Therefore compliance status of Amrapali OCP shall be submitted.  In case Amrapali OCP is not of the UA then an NOC from the UA of Amrapali OCP shall be submitted.	There Division corried Hower property The Character Amrof Control of Control	e is no not ion. On to dors have ever, the posed eleph User Age adragupta apali OCP. Dof Amra tached as compliance in respect rapali by User Age andragupta der the adrisuch, NOCP.	tified elements been proposed and correct has occurrently has been proposed and correct has been pali OCI Annexus of Amuser Age ency has occurrently has not related to be given.	roposed in d mining price of all proposed in proposed in proposed in proval of Proposed in proval of Proposed in P	ridors in hant mo Hazariba roject do ed that n an are roject repuick peruick peruick peruick peruick peruick ed that jects of 'Amra' Chandra South For a south For	Hazaribagh vements, figh West Fores not have the external of 89.16 port enclose ed dumping usal. forest proposed Compliary both Amra Central Coalpali & Chanagupta OCP	West Forest ive elephant rest Division. any of these and dump of the form strategy plar osal of 531.64 ance report of the pali OCP and lfields Limited dragupt Area from Amrapa of the forest the forest the forest the pali of the forest the forest the forest the forest the pali of the forest the forest the forest the pali of the forest the forest the forest the forest the pali of the forest the	XIV & XV

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3 1			SWINSON STREET
xiii)	needs to be constructed to connect the proposed OCP, the location of the bridge and its connectivity should be shown through KML for further DSS analysis.  Chotki river falling in the proposed site has to be diverted as per the proposal but the site inspection	The User agency has submitted that the Sub Divisional Officer, Waterways Subdivision, Hazaribagh of Govt of Jharkhand has carried out site inspection of Chhotki river and submitted to	
	report or the comments of the State is silent on it, specially about its impact on the water security and hydrological cycle downstream.	Executive Engineer, Water Resource Department with the following recommendation.  The diversion proposal has further been recommended by Chief Engineer (Water Resources Department), Jal Bhawan, Ranchi for issuance of NoC.	XIII
xiv)	Since the area has elephant therefore the cases of the Human Elephant conflicts in the district needs to be looked into, for which deaths of human and elephants in the Chatra and Hazaribagh district in last five years to be provided. Loss of property and crop damage and compensation given and pending should also be provided.		
xv)	Recommendation of the CWLW will be needed specially regarding need of wildlife management and mitigation	Management and mitigation of Man and animal conflict. (Copy	

भारत सरकार द्वारा की गई आपत्ति का बिन्दुवार निराकरण प्रतिवेदन 7 प्रतियों में सानुलग्नक इस पत्र के साथ संलग्न कर भेजते हुए अनुरोध है कि अपने स्तर से यथोचित कार्रवाई करने की कृपा की जाय। अनु0—यथोक्त।

आपका विश्वासी,

वन प्रमंडल पदाधिकारा, हजारीबाग पश्चिमी वन प्रमंडल।





## कार्यालय : वन प्रमण्डल पदाधिकारी, चतरा दक्षिणी वन प्रमण्डल, चतरा। वन भवन, चतरा - 825401

Phone: 8987790213

सेवा में,

पत्रांकः 166

दिनांक: 22.01. 2024

वन संरक्षक,

प्रादेशिक अंचल, चतरा।

E-mail: dfo-chatrasouth@gov.in

विषय :-सी0सी0एल0 द्वारा चन्द्रगुप्त खुली खदान कोल परियोजना हेतु 699.38 हे0 (चतरा दक्षिणी वन प्रमंडल अन्तर्गत- 400.96 हे0 एवं हजारीबाग पश्चिमी वन प्रमंडल अन्तर्गत- 298.42 हे0) वन भूमि

अपयोजन (ऑनलाईन प्रस्ताव सं0- PF/JH/MIN/140599/2021) प्रस्ताव के संबंध में।

1. भारत सरकार, पर्यावरण वन एवं जलवायू परिवर्तन मंत्रालय, न्यू दिल्ली का पत्रांक 8-24/2023-प्रसंग :-

FC दिनांक 22.09.2023

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

का पत्रांक 979 दिनांक 03.10.2023

महाशय,

उपर्युक्त विषयक प्रासंगिक पत्र 1 द्वारा 15 बिन्दुओं पर पुच्छा की गई है। उक्त के आलोक में परियोजना पदाधिकारी, चन्द्रगुप्त खुली खदान परियोजना, आम्रपाली चन्द्रगुप्त एरिया, सी०सी०एल०, भी.टी.सी. भवन, होन्हे, टण्डवा ने अपने पत्रांक GM(AC)/PO(Chandragupta)/2023-24/220 दिनांक 18.12.2023 द्वारा बिन्दुवार अनुपालन प्रतिवेदन समर्पित किया गया है। अनुपालन की स्थिति निम्नवत है-

Cond ition No.	Queries raised by GoI	Compliance report	Anne
1	3	5	
i)	As Schedule-I species have been reported in the area and DFO also mentioned the fragmentation of wildlife habitat, comments of PCCF (Wildlife) and CWLW Jharkhand on the likely impact of the project on the movement of wildlife in general and elephant in particular needs to be furnished by the State. Further, comments may also be furnished on the adequacy of mitigation measures like Site Specific Wildlife Management Plan or Comprehensive Integrated Wildlife Management proposed for the area.	The applied area is a good habitat of wildlife. Its surrounding area also, being a good habitat of many wild animals, shall definitely bear some impact on wild animals inhabiting the area for which a Wildlife Management Plan shall be required. The Asian Elephant, the endangered one, through do not reside in the proposed area permanently, they visit these areas every year in search food and fodder and damage the crops, houses etc.,  In order to minimize the impact of the proposed mining operation on the environment, it is considered absolutely necessary to prepare a site-specific wildlife management plan and implement it at the expense of the user agency in order to accept the proposed proposal.  The comments on adequacy of mitigation measures shall be made after receipt of such mitigation plans prepared as compliance of in-principle approval.  In this regard, the user agency has submitted a certificate of Undertaking. (Enclosed as annexure-III)	1, II & III
	2	10	

The authorities in the State Forest Department have recommended preparation			cost, time	led by State Forest de required for preparat is under		1
	of various Plans and their implementation either before or concurrently with the mining operations.	Plans	Tentati ve cost (In Rs)	Time required for Preparation	Duration of Implementatio n	
	Detail of such plans, in tabular form indicating clearly against them, their tentative cost, time	Wildlife Manageme nt Plan	35-45 Crore	One month after grant of In- principle approval	Over a period of 10 years of operation	
	required for preparation and duration of implementation, etc. need to be furnished by the State.	Soil & Moisture Conservati on Plan	25-35 Crore	One month after grant of In- principle approval	Over a period of 10 years of operation	
iii)	In online Part-II, it has been reported that the proposed forest land is moderately vulnerable to	Top soil manageme nt plan	25-35 Crore	One month after grant of In- principle approval	Over a period of 10 years of operation	
	erosion. Therefore, mitigation measures in this regard needs submission.	plans of actual to actual to 2. In this	once In-prince incost shall oreaking/n	Il prepare and submit the neiple approval is grant be deposited in CAM non-forestry use of the tauser agency, has submit to the forest agency.	ted to them and the PA Account before orest land.	
		Undert	- 12 - 12	closed as annexure-III)	itted a certificate of	
iv)	Cost benefit Ratio has been estimated as 1:81.92 which is exorbitantly high. The analysis may be revisited by the user agency by applying appropriate economic tools to accurately estimate the various parameters and detailed analysis thereof may be submitted to the Ministry.	In this regard Analysis in lig	User age	4) 1 (A) 9 <del>30</del> A) A 50	evised Cost-Benefit F&CC, GoI in this	
iv)	estimated as 1:81.92 which is exorbitantly high. The analysis may be revisited by the user agency by applying appropriate economic tools to accurately estimate the various parameters and detailed analysis thereof may be submitted to the	In this regard Analysis in lig regard dated 06	User ago ht of guid-01-2022.	ency has submitted re-	evised Cost-F F&CC, GoI V st all along the	Benefit in this e Coal

715)

y-18									losed i	n the form	
		of (	CD enclose	d by us	er agen	icy as A	nnexur	eVI.			1
vi)	From the purpose-wise breakup of forest land, the following may be				t.						
	ascertained:							57			
a)	An area of 0.14 ha has been		1) A DPI	R of Ch	hotki S	Stream di	iversion	and st	raighte	ning of the	V
	proposed for diversion of									orkee has	8
	Nadi/nalla. The status of									nclosed by	
	feasibility reports for said					orm of C					
	diversion along with		2								
	comments of Water	Div	ersion prop	osal ha	s been i	recomme	ended by	y Chief	f Engin	eer (Water	1
	Resource Department on	Res	ources Dep	artmen	t), Jal	Bhawan,	, Ranch	i for is	suance	of NOC.	
	the feasibility of said	(Th	e recomme	endation	n along	g with	comme	nts of	Water	Resource	1
	proposed diversion needs to	Dep	artment ha	s been	enclose	ed by use	er agenc	y as A	nnexu	re VIII).	1
	be informed by the State.	- 4									
b)	An area of 13.94 ha of forest	As	per the adv	ice of l	MOEF	CC, the	land-use	propo	sed in	the earlier	L
M	land has been proposed for	sub	mitted Form	n-A has	s been i	revised b	y the U	ser Ag	gency v	vith a view	
	infrastructure while only	to r	educe fores	t land f	for infra	astructur	ral comp	onent	s. The	earlier and	
	2.3 ha only has been	proj	oosed land-	use is g	given be	elow:					
	proposed in non-forest						1 11 11 11 11 11 11 11 11 11	d Land-l rastructi		%	
	land. The State	-	Earlier Land	-Use for I	Non-		1111	Non-	Total	Change	
	Government may therefore	S	Component	Forest	Fores	Total Area	Forest	Fore	Area	in Forest	
	assess the legitimacy of site-	N	Component	Land	t	(in Ha)	Land	st	(in	Land	
			10	1	I I and			Land	1 Hal		
	specificity of various	-	2	3	Land 4		6	Land 7	Ha) 8	(3-6)/3	
		1	2 CHP	3	4	5		7	8		
	specificity of various infrastructural components and possibility to shift non-	1	CHP	3 9.30	-		6 4.45		-	(3-6)/3 - 52 %	
	specificity of various infrastructural components	-	CHP Infrastruct ure (Field	9.30	5.52	5 14.82	4.45	7	7.86	- 52 %	
	specificity of various infrastructural components and possibility to shift non-	-	CHP Infrastruct ure (Field Workshop,		4	5		3.41	8		
	specificity of various infrastructural components and possibility to shift non-site-specific components to	1	CHP Infrastruct ure (Field	9.30	5.52	5 14.82	4.45	3.41	7.86	- 52 %	
	specificity of various infrastructural components and possibility to shift non-site-specific components to	1	CHP Infrastruct ure (Field Workshop, Substation etc)	9.30	5.52	5 14.82	4.45	7 3.41 11.5 6	7.86	- 52 %	
	specificity of various infrastructural components and possibility to shift non-site-specific components to	1	CHP Infrastruct ure (Field Workshop, Substation etc) Road, bridge,	9.30	5.52	5 14.82	4.45	3.41	7.86	- 52 %	
	specificity of various infrastructural components and possibility to shift non-site-specific components to	2	CHP Infrastruct ure (Field Workshop, Substation etc) Road,	9.30	2.30	5 14.82 16.24	0.00	7 3.41 11.5 6	8 7.86 11.56	- 52 %	
	specificity of various infrastructural components and possibility to shift non-site-specific components to	2	CHP Infrastruct ure (Field Workshop, Substation etc) Road, bridge,	9.30	2.30	5 14.82 16.24	0.00 4.38	7 3.41 11.5 6	8 7.86 11.56	- 52 % - 100 %	
	specificity of various infrastructural components and possibility to shift non-site-specific components to	2	CHP Infrastruct ure (Field Workshop, Substation etc) Road, bridge,	9.30	2.30	5 14.82 16.24	0.00	7 3.41 11.5 6	8 7.86 11.56	- 52 %	
	specificity of various infrastructural components and possibility to shift non-site-specific components to	3	CHP Infrastruct ure (Field Workshop, Substation etc) Road, bridge, culvert	9.30 13.94 4.38	2.30 14.20 22.02	16.24 18.58 49.64	4.45 0.00 4.38	7 3.41 11.5 6 14.2 0	8 7.86 11.56	- 52 % - 100 %	
	specificity of various infrastructural components and possibility to shift non-site-specific components to	3	CHP Infrastruct ure (Field Workshop, Substation etc) Road, bridge, culvert  Total	9.30 13.94 4.38 27.62	2.30 14.20 22.02	5 14.82 16.24 18.58 49.64	4.45 0.00 4.38	7 3.41 11.5 6 14.2 0	8 7.86 11.56 18.58	- 52 % - 100 % 0	
c)	specificity of various infrastructural components and possibility to shift non-site-specific components to	3	CHP Infrastruct ure (Field Workshop, Substation etc) Road, bridge, culvert  Total  plan is enc	9.30 13.94 4.38 27.62 losed at	2.30 14.20 22.02 25 Anne	16.24 18.58 49.64 xure IX	4.45 0.00 4.38 8.83	7 3.41 11.5 6 14.2 0 29.1 7	8 7.86 11.56 18.58 38.00	- 52 % - 100 % - 68 % proposed	
c)	specificity of various infrastructural components and possibility to shift non-site-specific components to the non-forest land.	1 2 3	CHP Infrastruct ure (Field Workshop, Substation etc) Road, bridge, culvert  Total  plan is enc The loca project i	9.30 13.94 4.38 27.62 losed as	2.30 2.30 14.20 22.02 25 Anne pap of ded by	16.24 18.58 49.64 xure IX the pro-	4.45 0.00 4.38 8.83 ject sho (existin	7 3.41 11.5 6 14.2 0 29.1 7	11.56 18.58 38.00	- 52 % - 100 % 0 -68 % proposed proposed)	
e)	specificity of various infrastructural components and possibility to shift non-site-specific components to the non-forest land.  A total forest land of 36.82	1 2 3	CHP Infrastruct ure (Field Workshop, Substation etc) Road, bridge, culvert  Total  plan is enc The loca project i projects	9.30 13.94 4.38 27.62 losed as ation ms bound on all	22.02 2.30 14.20 22.02 22.02 22.02	16.24  18.58  49.64  xure IX the pro Mining or sides,	4.45 0.00 4.38 8.83 ject sho (existin renderi	7 3.41 11.5 6 14.2 0 29.1 7	11.56 18.58 38.00 at the vell as manage	- 52 % - 100 % - 68 % proposed	
c)	specificity of various infrastructural components and possibility to shift non-site-specific components to the non-forest land.  A total forest land of 36.82 ha of forest land has been	1 2 3	CIIP Infrastruct ure (Field Workshop, Substation etc) Road, bridge, culvert  Total  plan is enc The loca project i projects forest pa	9.30 13.94 4.38 27.62 losed as ation ms bound on all tch diff	2.30  14.20  22.02  s Anne nap of ded by the four four the four coult by	16.24  18.58  49.64  xure IX the promising or sides, whe Formula is the side of the formula is the side of the formula in the side of t	4.45 0.00 4.38 8.83 iject sho (existin renderi rest Dep	7 3.41 11.5 6 14.2 0 29.1 7  ows the gas wing the artmen	11.56 18.58 38.00 at the rell as managent.	- 52 %  - 100 %  - 68 %  proposed proposed) gement of	
c)	specificity of various infrastructural components and possibility to shift non-site-specific components to the non-forest land.  A total forest land of 36.82 ha of forest land has been proposed for Green belt	1 2 3	Infrastruct ure (Field Workshop, Substation etc) Road, bridge, culvert  Total  plan is enc The loca project i projects forest pa The Use	9.30  13.94  4.38  27.62  losed as ation in s bound on all teh differ Agence	22.02 23.02 22.02 22.02 22.02 22.02 22.02 22.02 22.02 22.02 22.02	18.58  49.64  xure IX the promising or sides, whe Formula in the construction of the c	4.45 0.00 4.38 8.83 iject sho (existin renderi rest Dep	7 3.41 11.5 6 14.2 0 29.1 7  ows the g as we not the artment a comp	11.56  18.58  38.00  at the rell as managet.	-52 % -100 %  o  end proposed proposed) gement of of generic	
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c)	specificity of various infrastructural components and possibility to shift non-site-specific components to the non-forest land.  A total forest land of 36.82 ha of forest land has been proposed for Green belt which is in addition to 2.9 ha of forest land earmarked for safety zone. Rationalize for including green belt	1 2 3 The 1)	Infrastruct ure (Field Workshop, Substation etc) Road, bridge, culvert  Total  plan is enc The loca projects forest pa The Use condition mtrs sha	13.94  4.38  27.62  losed as ation ms bound on all tech differ Agence n of the ll be delivered as a second control of the lateral of the	22.02  230  14.20  22.02  s Anne hap of ded by the four ficult by the see EC appeveloped and the see EC appeveloped.	18.58  18.58  49.64  xure IX the promisides, yethe Forubmitted oproval, ed all all	4.45 0.00 4.38 8.83 iject sho (existin renderi rest Dep d that, in belt of ong the	3.41  11.5 6  14.2 0  29.1 7  ows the gas wing the artment composite artment mine	11.56  18.58  38.00  at the vell as managet. liance ont less lease a	-52 %  -100 %  -68 %  proposed proposed) gement of of generic s than 7.5 area. This	
c)	specificity of various infrastructural components and possibility to shift non-site-specific components to the non-forest land.  A total forest land of 36.82 ha of forest land has been proposed for Green belt which is in addition to 2.9 ha of forest land earmarked for safety zone. Rationalize	1 2 3 The 1)	Infrastruct ure (Field Workshop, Substation etc)  Road, bridge, culvert  Total  plan is ence The local projects forest parthe Use condition mtrs shar apart, the	13.94  4.38  27.62  losed as ation mess bound on all the differ Agency of the libe destatute.	22.02  230  14.20  22.02  2 Anne pap of ded by the four ficult by the ficult by the four ficult by the ficu	18.58  49.64  xure IX the promising or sides, whe Formula in the comproval, and all all riers against the sides against the sides.	4.45 0.00 4.38 8.83 iject sho (existing rendering rest Depth 1 that, in belt of ong the tinst sur	3.41  11.5 6  14.2 0  29.1 7  ows the gas we will artment a composite the artment artment face fee feech fee	11.56  18.58  38.00  at the rell as managet. liance anot less lease a atures	-52 %  -100 %  0  -68 %  proposed proposed) gement of of generic s than 7.5 area. This like river,	
c)	specificity of various infrastructural components and possibility to shift non-site-specific components to the non-forest land.  A total forest land of 36.82 ha of forest land has been proposed for Green belt which is in addition to 2.9 ha of forest land earmarked for safety zone. Rationalize for including green belt	1 2 3 The 1)	Infrastruct ure (Field Workshop, Substation etc)  Road, bridge, culvert  Total  plan is enc The loca project i projects forest pa The Uses condition mtrs sha apart, the nallah, p	13.94  4.38  27.62  losed as ation in s bound on all teh differ Agence of the ll be destatute ublic records.	22.02  22.02  22.02  22.02  S Anne hap of ded by the four four by has see EC appropriate the property barries and etc.	18.58  18.58  49.64  xure IX the promisides, whe Formula in the coproval, and all all all all ariers against the beautiful to be a single control of the coproval.	4.45 0.00 4.38 8.83 ject sho (existing rendering that, in belt of the cong the cong the cong that in the cong that in the cong the cong that in the cong that i	7 3.41 11.5 6 14.2 0 29.1 7 ows the gas wing the artmen comp width imine face feined as	11.56  18.58  38.00  at the rell as managet. liance anot less lease a atures sper Co	-52 %  -100 %  -68 %  proposed proposed) gement of of generic s than 7.5 area. This	

		·	V
	and be managed by the Forest Department. Considered view of the State Government in this regard needs to be furnished	barriers is developed and maintained as Green Belt with a view to enhance the plantation cover and decrease the carbon footprint. Such green belts also function as wind breaks.  3) The User Agency has submitted that, the area is also required to maintain mine boundary in continuity and to divert entire forest land falling within the project boundary.  4) Also the User Agency has submitted that they have proposed the green belt as part of mitigation measures for dust suppression.	
		It is evident from above that it will be very difficult for State Forest department to manage the intervening parcels of forest land bounded by mining activities and statutory restrictions against surface features. In view of this, it is proposed to maintain these parcels of land as green belt aggregating to 55.61 Ha (which includes 36.82 ha green belt proposed earlier plus 18.79 Ha of Forest land now made available due to shifting of infrastructural activities to non-forest land) as green belt as shown in the revised land use. The forest area earmarked as green belt will be kept and maintained as such, and no non-forestry activity should be undertaken therein.	
d)	Details of area proposed for dumping of overburden is not available in the purpose-wise breakup. Comments in this regard may be provided by the State Government.	<ol> <li>The User Agency has submitted that,</li> <li>Chandragupta OCP mine has been planned in a sustainable manner and &gt;95% of OB will be dumped internally so as to minimize the land degradation to the minimum extent possible.</li> <li>Total volume of overburden expected to be generated in Chandragupta OCP is 995.34 Mn cum. Out of this, 946.96 Mn cum (=95%) is proposed as internal dump without affecting any external surface area other than the quarry itself.</li> <li>Only 48.38 Mn cum is proposed to be dumped externally in the nearest adjoining operational mine of Central Coalfields Limited i.e., Amrapali OCP.</li> <li>Integrated Dump plan of Amrapali OCP incorporating 48.38 Mn m³ of Chandragupt OCP is enclosed by User Agency as Annexure X</li> <li>Copy of Dumping Strategy as per the approved PR of Chandragupt Project and Amrapali project has been enclosed by User Agency as Annexure XI</li> </ol>	E.



713)

			$\sim$
		CHANDRAGUPT OCP  CD CLIMINIO MICROS CHANDAGUPTA PROJECT PLOUIS B & C. VOLUME - 83.91 M.C.	
vii	Analysis of the area	A total of 802.05 Ha has been earmarked for CA. The details of CA	XIV
	proposed for diversion and	land with compensatory afforestation scheme, revised KML files,	
14	area proposed for CA area using DSS analysis revealed	DGPS &Topo Maps are enclosed as Annexure: XIV.	
	the following which needs		
	clarification:	* ×	
a)	Google imagery shows the	The User Agency has submitted that the roads passing through the	XII
	presence of Settlements,	Forest area within the coal block will be shifted outside the Coal	
	Roads and Agriculture land	block boundary along with shifting of village habitat and encroachers	
	etc. within the proposed	at the time of commencement of mining operations.	
1.	forest land for diversion		
b)	As per Google imagery,	The User Agency has submitted that, the barrage is not falling in the	XIII
	Tandwa Barrage has been	forest patch proposed for diversion. The barrage structure is	
•	constructed after the year 2016 over the Garhi Nadi	approximately 140 mtrs away from the project boundary. However, a	
	(River) and part of barrage	small part of stone pitched embankment is touching the South-	
	project is falling in the	Western boundary of the project at an approximate distance of 20 mtrs only.	
	forest patch which has been	As per the approved Project Report of Chandragupt OCP:	
	proposed for diversion.	"The Southern Boundary has been fixed leaving a barrier of 100 mtr	
		from the southern geological block boundary of Pachra South block."	
	# N	As such, the quarry edge will be 100 mtrs away from the	
- 1		embankment.	
1		(Barrage Location Plan is enclosed by User Agency in the form	
		of CD & Hard copy as Annexure XIII)	
c)	Google imagery shows the	A total of 800.00 Ha of degraded forest land was proposed as CA land	XIV
	encroachment of	in Chatra South Forest Division. In light of the observations made by	
	Agriculture land,	MoEF&CC, Gol vide letter dated 22-09-2023, the CA sites were	
	plantation activities and	physically verified. Upon verification of the proposed CA sites, a	
	presence of settlement in CA patches.	total of 254.25 Ha of degraded forest land was found unfit for CA	
	An earthen pond created	plantations due to presence of trees, encroachments, water bodies etc.  Rest 545.75 Ha. of degraded forest land was found fit for CA	
	AAA CALUICH DONG Created	Nosi 343.73 Ha. Of degraded forest land was found fit for CA	
	recently in the CA patch	plantations. In this regard encumbrance free alternative fresh CA land	

	namely Mahuari and New	to the tune of 256.30 Ha (Chatra South: 47.3 Ha & Chatra North: 209	
4.	Road has been constructed	Ha) along with CA Scheme, Suitability Certificate has been made	
	in the CA patch namely	available. Hence, a total of 802.05 Ha (545.25 Ha + 256.30 Ha) has	
	Village - Kendua.	been earmarked for CA. The details of CA land with compensatory	
e)	Out of total 1400 ha (DSS	afforestation scheme, revised KML files, DGPS &Topo Maps are	
",	Calculated) forest land	enclosed as Annexure: XIV.	
	proposed for CA, 31 ha of	cholosed as Almondie. At v.	
	land is characterized with		
	Moderately Dense Forest.		
viii)		The Hear Agency has attached quantitative details of deaths of	XV
VIII)		5 ,	Α.
	deaths of human and	Human and Elephants in last five years i.e., 2019-20 to 2023-24 under	
	elephants in last five years	Chatra South Forest Division as Annexure-XV.	
	may be furnished by the	There is no Notified Elephant Corridors in Chatra South Forest	
	State along with details of	Division. On the basis of elephant movements, three elephant	
	existing and proposed	corridors have been proposed in Chatra South forest division.	
	elephant corridors in the	However, the proposed mining project does not fall on any of these	
-	landscape.	proposed elephant corridors.	
ix)	External dump is being	The User Agency has submitted that the external dump of	XVI
	proposed in 86.16 ha of land	Chandragupta OCP is proposed in an area of 89.16 Ha of land in	&
	in Amrapali OCP, which is	Amrapali OCP. The approval of Project report enclosed in the form	XVII
	not given in the proposal	of CD of Amrapali OCP along with approved dumping strategy plan	
	but included in Mining	is attached as Annexure XVI for quick perusal.	
	Plan. Therefore,	The compliance status of already diverted forest proposal of 531.64	
	compliance status of	Ha in respect of Amrapali OCP is enclosed Compliance report of	
	Amrapali OCP shall be	Amrapali by User Agency as Annexure XVII)	
	submitted.		
x)	In case Amrapali OCP is	Both Amrapali OCP and Chandragupta OCP are the projects of	
	not of the UA then an NOC	Central Coalfields Limited under the administrative control of	
	from the UA of Amrapali	'Amrapali & Chandragupt Area'. As such, no NOC is required for	a 4
	OCP shall be submitted.	Chandragupta OCP from Amrapali OCP.	2 1
xi)	Amrapali OCP boundary is	CMPDIL, Ranchi has prepared a Report on the Anticipated Impacts	XVII
/	in the west side of the Barki	of proposed mining on either side of Barki River and its management	I
	River, the impact of having	plan. (Report of CMPDIL is attached by User Agency as	
	mining on both the sides of	Annexure-XVIII).	
	river will require deep	Following are the key findings of the report:	
	understanding of the	1) There shall not be any obstruction to the flow of Barki River.	
	impact of hydrology of the	Mining is proposed by leaving approx. 100 m on Amrapali side	
	river, so comments of the	and 60 m on Chandragupt side from the HFL of the River.	
	State shall be submitted in	2) This safety zone will act as a buffer between the natural stream	
	this regard.	and active mining area, thereby safeguarding the banks of Barki	
2.50	tins regard.		
		River from erosion, keeping the catchment area for stream	
	×	assisted by natural channel slope, sustaining the stream flow, and	
		preserving the riverine eco-system.	
1 4		3) During heavy rainfall conditions, the active mine sumps will act	
		as surge ponds and effectively reduce the peak flow rates in Barki	
	M 5 20	River. Thus, Barki River will not experience any flooding-related	
		problems during heavy rainfall.	1
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		Additionally, as part of the study on diversion of Chutki nalla, IIT Roorkee has conducted a study on Barki river also. The study states that Barki has a catchment of 231.50 sq km.  The study suggests no risk of flooding on the surrounding landscape. Also any deficit in natural run-off will be compensated by mine discharge and run-off from reclaimed land and hence there will not be any variation in the flow of Barki river.  Therefore, it can be ascertained that there will not be any direct impact of proposed mining on the surface hydrology of Barki River.  Control measures like toe wall, garland drain, check dams and siltation ponds to arrest siltation, and ETP with oil and grease removal mechanism to treat workshop effluents, will be in place.  (The DPR from IIT, ROORKEE is enclosed in the form of CD by User Agency as Annexure VII)	35 (ISO)
xiii)	A high level bridge over Barki river needs to be constructed to connect the proposed OCP, the location of the bridge and its connectivity should be shown through KML for further DSS analysis.  Chotki river falling in the proposed site has to be diverted as per the proposal but the site inspection report or the comments of the State is silent on it, specially about its impact on the water security and hydrological cycle downstream.	A high-level bridge over Barki river for connectivity with the Chandragupt OCP is proposed by the user Agency. The KML file is attached in the form of CD by User Agency as Annexure XIX)  The User Agency has submitted that the Sub Divisional Officer, Waterways Subdivision, Hazaribagh of Govt of Jharkhand has carried out site inspection of Chhotki river and submitted report to Executive Engineer, Water Resource Department with comments and recommendation.  The diversion proposal has further been recommended by Chief Engineer (Water Resources Department), Jal Bhawan, Ranchi for issuance of NoC.	
xiv)	Since the area has elephant therefore the cases of the Human Elephant conflicts in the district needs to be looked into, for which deaths of human and elephants in the Chatra and Hazaribagh district in last five years to be provided. Loss of property and crop damage and compensation given and pending should also be provided.	Quantitative details of deaths of human and elephants and Loss of property and crop damage and compensation in last five years i.e., 2019-20 to 2023-24 under Chatra South Forest Division (Details enclosed as Annexure-XV)	



Recommendation of the CWLW has given comments regarding need of wildlife CWLW will be needed specially regarding need of wildlife management and mitigation of conflict plan.

The CWLW has given comments regarding need of wildlife in Management and mitigation of Man and animal conflict. (Copy enclosed as Annexure I)

अतः भारत सरकार द्वारा की गई आपित का बिन्दुवार निराकरण प्रतिवेदन 8 प्रतियों मे सानुलग्कन भेजते हुए अनुरोध है कि अपने स्तर से यथोचित कार्रवाई करने की कृपा की जाय। अनु0—यथोक्त।

आपका विश्वासी,

वन प्रमण्डल पदाधिकारी, चतरा दक्षिणी वन प्रमण्डल।