



# कार्यालय : वन संरक्षक, प्रादेशिक अंचल, हजारीबाग

वन भवन - 1, हजारीबाग 825301 (झारखण्ड)

Ph. & Fax (O) - 06546 -222393, Cell No. : 8987790202 E-mail: cf-hazaribagh@gov.in

सेवा में,  
पत्रांक: दिनांक :  
क्षेत्रीय मुख्य वन संरक्षक,  
हजारीबाग।

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।

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 dition No.	Queries raised by GoI	Compliance report	Annex ure								
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.	<p>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.,</p> <p>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.</p> <p>The comments on adequacy of mitigation measures shall be made after receipt of such mitigation plans prepared as compliance of in principle approval.</p> <p>In this regard, the user agency has submitted a certificate of Undertaking. Enclosed as Annexure-III)</p>	I, II & 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 them, their tentative cost, time	<p>The plans as recommended by State Forest department along with their tentative cost, timeline for preparation and duration of implementation is given as under:-</p> <table border="1"><thead><tr><th>Plans</th><th>Tentative cost (In Rs)</th><th>Timeline for Preparation</th><th>Duration of Implementation</th></tr></thead><tbody><tr><td></td><td></td><td></td><td></td></tr></tbody></table>	Plans	Tentative cost (In Rs)	Timeline for Preparation	Duration of Implementation					
Plans	Tentative cost (In Rs)	Timeline for Preparation	Duration of Implementation								

	required for preparation and duration of implementation, etc. need to be furnished by the State.	Wildlife Management Plan	35-45 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 erosion. Therefore, mitigation measures in this regard needs submission.	Soil & Moisture Conservation Plan	25-35 Crore	One month after grant of In-principle approval	Over a period of 10 years of operation	III
		Top soil management plan	25-35 Crore	One month after grant of In-principle approval	Over a period of 10 years of operation	
		<p>1. 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.</p> <p>2. In this regard, the user agency has submitted a certificate of Undertaking. Enclosed as annexure-III)</p>				
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 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
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.	<p>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.</p> <p>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.</p> <p>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.</p>				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	1) 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

	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 style="list-style-type: none"> <li>1) 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>2) 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>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.</li> <li>4) Also the user agency has submitted they have proposed the green belt as part of mitigation measures for dust suppression.</li> </ol> <p>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.</p>

d)	<p>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.</p>	<p>The User Agency has submitted that,</p> <ol style="list-style-type: none"> <li>1) 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>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.</li> <li>3) 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> <p>Integrated Dump plan of Amrapali OCP incorporating 48.38 Mn m<sup>3</sup> of Chandragupt OCP is enclosed by User Agency as <b>Annexure IX</b> Copy of Dumping Strategy as per the approved PR of Chandragupt Project and Amrapali project has been enclosed by User Agency as <b>Annexure X</b></p> 	IX & X
vii	<p>Analysis of the area proposed for diversion and area proposed for CA area using DSS analysis revealed the following which needs clarification:</p>		
a)	<p>Google imagery shows the presence of Settlements, Roads and Agriculture land etc. within the proposed forest land for diversion</p>	<p>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).</p>	XI
b)	<p>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.</p>	<p>This query is related to Chatra South Forest Division, therefore the compliance to be given by Chatra South Forest Division.</p>	

c)	Google imagery shows the encroachment of Agriculture land, plantation activities and presence of settlement in CA patches.	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, Gol 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 mentioned 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 <b>Annexure: XII</b> Details are given below: -	XII
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.		

Details of CA Land						
S. No	Name of the PF/RF	Range	Compartment No	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	Sinduarikhurd	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	Jatghagra	Barhi	155	5.00		5.00
15	Jatghagra	Barhi	1289, 1345	16.00	Encroachment of Agriculture land in the CA patch namely	11.00
16	Kendua	Barhi	2, 14, 26, 149, 190, 192	40.24		39.00
17	Kendua	Barhi	428, 429, 432, 433	46.19	New Road has been constructed in the CA patch	34.70
18	Jarahiya	Barhi	143, 194	34.12		34.00

19	Gaira	Barhi	3081	20.00	plantation work carried out recently	
<b>Total</b>				<b>600.00</b>		<b>337.70</b>
<b>Proposed Fresh CA Land</b>						
20	Damdoya	Chatra	1359			5.80
21	Dahu	Tandwa	1585,1594, 1611, 1472P, 1931P, 1935P, 1936P	-		23.80
22	Madhuban	Barhi	1019(P)	-		25.00
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
26	Simarkurha	Barhi	409, 412, 413, 414, 415, 419, 421, 423	-		49.00
<b>Total</b>						<b>259.60</b>
<b>Grand Total</b>						<b>597.30</b>

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.	<p>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)</p> <p>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.</p>	XIII
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.	<p>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.</p> <p>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)</p>	XIV & XV
x)	In case Amrapali OCP is not of the UA then an NOC from the UA of Amrapali OCP shall be submitted.	<p>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 &amp; Chandragupt Area'. As such, NOC is not required for Chandragupta OCP from Amrapali OCP.</p>	
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,	<p>This query is related to Chatra South Forest Division, therefore the compliance to be given by Chatra South Forest Division.</p>	

	so comments of the State shall be submitted in this regard.		
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.	This query is related to Chatra South Forest Division, therefore the compliance to be given by Chatra South Forest Division.	
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 to 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.	
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 Hazaribagh West Forest Division (Details enclosed as Annexure-XIII)	XIII
xv)	Recommendation of the CWLW will be needed specially regarding need of wildlife management and mitigation of conflict plan.	The CWLW has given comments regarding need of wildlife Management and mitigation of Man and animal conflict. (Copy enclosed as Annexure I)	I

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।

अनु०-यथोक्त।

आपका विश्वासी,  
ह०/-  
वन संरक्षक  
प्रादेशिक अंचल, हजारीबाग

ज्ञापांक 225 दिनांक 05-02-2024  
प्रतिलिपि :- वन प्रमंडल पदाधिकारी, हजारीबाग पश्चिमी वन प्रमंडल को उनके पत्रांक 867 दिनांक 05.02.2024 के प्रसंग में सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

वन संरक्षक  
प्रादेशिक अंचल, हजारीबाग