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

वन भवन, डोरण्डा, राँची, झारखंड-834002, Email: pccf-ednodal@gov.in पत्रांक- 988 राँची, दिनांक- 0 1 2022

सेवा में,

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

- विषय :- सेन्द्रल कोलफील्डस लिमिटेड की कोतरे बसन्तपुर पचमो कोल माईन्स परियोजना विस्तारीकरण हेतु कुल 1006.17 हे0 (रामगढ़ वन प्रमंडल 633.19 हे0 एवं बोकारो प्रमंडल अन्तर्गत 372.98 हे0) प्रस्ताव में से बोकारो वन प्रमण्डल अन्तर्गत 372.98 हे0 वनभूमि अपयोजन प्रस्ताव (FP/JH/MIN/39338/2019) के संबंध में।
- प्रसंग :- 1. भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, नई दिल्ली का पत्र संख्या—F.No 08-08/2022-FC दिनांक 22.06.2022 एवं विभागीय पत्रांक वन भूमि— 07/2022—1857 दिनांक 04.07.2022
  - 2. क्षेत्रीय मुख्य वन संरक्षक, बोकारो का पत्रांक 1329 दिनांक 27.08.2022

महाशय,

उपर्युक्त विषयक वनभूमि अपयोजन प्रस्ताव में भारत सरकार के प्रासंगिक पत्र—1 द्वारा सेन्ट्रल कोलफील्डस लिमिटेड की कोतरे बसन्तपुर पचमो कोल माईन्स परियोजना विस्तारीकरण हेतु कुल 1006.17 हे0 (रामगढ़ वन प्रमंडल 633.19 हे0 एवं बोकारो प्रमंडल अन्तर्गत 372.98 हे0) वनभूमि अपयोजन प्रस्ताव में 9 बिन्दुओं पर पृच्छा की गयी है, जिसका बोकारो वन प्रमण्डल अन्तर्गत 372.98 हे0 वनभूमि अपयोजन प्रस्ताव से संबंधित निराकरण प्रतिवेदन क्षेत्रीय मुख्य वन संरक्षक, बोकारो के पत्रांक 1329 दिनांक 27.08.2022 (छायाप्रति संलग्न) द्वारा प्राप्त हुआ है।

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

Sl. No.	Query by MOEF&CC	Compliance of User Agency	Comments of DFO, Bokaro
i.	Proposal has been submitted into two parts for two separate districts, while as per guidelines given under the chapter 7 of the Handbook proposal for a mining lease should be submitted in its entirety. Rationale for submitting isolated proposals for a single project needs to be informed by the State	Total Forest Land required for Kotre Basantpur Pachmo OCP is 1,006.17 Ha  - Notified Forest: 714.22 Ha - GMJJ: 291.95 Ha  The district-wise breakup is as below: - Ramgarh: 633.19 Ha  • Notified Forest: 497.86 Ha • GMJJ: 135.33 Ha - Bokaro: 372.98 Ha • Notified Forest: 216.36 Ha • GMJJ: 156.62 Ha  Separate applications have been made for the two districts because, as per the Mining Plan, the Mining Operations would commence from the Ramgarh district and continue till 10 years Therefore, the application was first made for Ramgarh district on 22.01.2019.  Subsequently, the application for Bokaro district was made on 18.03.2019, since some infrastructure which is allied to Mining Operations such as Workshop, magazine, etc. and the approach road was planned to be constructed in initial period of Mining Operation in Bokaro district.  However, we request the Ministry to merge both proposals and make a single proposal encompassing area of 1,006.17 Ha.	प्रयोक्ता अभिकरण का अनुपालन प्रतिवेदन विचारणीय है।

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Sl. No.	Query by MOEF&CC	Compliance of User Agency	Comments of DFO, Bokaro
i	Analysis of the CA area using DSS analysis revealed		
(a)	CA has been proposed in 157 patches, 75 patches have area smaller than 5 ha. (as small as 0.21 ha.) Further, in 22 villages either cultivation, settlement, plantation, etc are visible (list enclosed)	The land proposed for CA land is a degraded forest which is notified and demarcated protected forest. The demarcated protected forest in Jharkhand are village wise and mostly in discontinous patches of various size and therefore they are being managed as such. The selected land patches are suitable for CA as per the guidelines. There is some encroachment by local villagers in some patches and they will be removed before taking up compensatory afforestation and will be covered with plantation. No patch of CA land will be left without plantation under CA.	वन प्रमण्डल पदाधिकारी, गिरिडीह पूर्वी वन प्रमण्डल के पत्रांक—2582 दिनांक—27.07. 2022 द्वारा भार्त सं0— ii(a) का अनुपालन प्रतिवेदन वन प्रमण्डल पदाधिकारी, रामगढ़ वन प्रमण्डल को समर्पित करते हुए प्रतिलिपि इस प्रमण्डल को दी गई है। वन प्रमण्डल को दी गई है। वन प्रमण्डल को दी गई है। वन प्रमण्डल का दी गई है। वन प्रमण्डल का ज्ञापांक—2582 दिनांक— 27.07.2022 की छायाप्रति अनु0—I संलग्न है।
(b)	Further, out of total area proposed for CA, 3 ha. is classified as Very Dense Forest and 26 ha. As Moderately Dense Forest as per DSS while no such areas are visible on the Google Imagery.	Forest land selected for CA is demarcated protected existing in patches of varying size and some patches of varying size and some patches even though mostly degraded have good forest growth in some portions which might appear as dense forest but the average density of selected forest patches in each village is less than 0.4 As the plantation is carried out on degraded forest village wise in Jharkhand with the help of trench fencing is done on outer boundary only, and therefore entire patch is taken as gross area for the purpose of plantation but actual plantation is done on available vacant area. If degraded or vacant land is to be separated from good forest cover in the same patch in a village, trench fencing is required be done across the patch of forest for protecting the plantation, which will make rest of forest susceptible for encroachment and therefore it is avoided. As per the norms at least 1000 plants have to be planted per ha. Over land selected, whereas the CA land selected will easily accommodate 1666 plants per ha. much higher than the stipulated limit. However, it is informed that 37.20 ha. of additional degraded forest land has been identified and K.M.L. file with suitability certificate for the same is being attached herewith.	अनु0-l संलग्न है।
(c)	The State Government may therefore confirm the suitability of such area for raising afforestation and their contiguity with the existing RF/PF.	management of Forest Department and therefore the question of contiguity to the PR/RF does not arise. It is clarified again that the land selection is suitable for	गिरिडीह पूर्वी वन प्रमण्डल व पत्रांक—2582 दिनांक—27.0

Sl. No.	Query by MOEF&CC	Compliance of User Agency	Comments of DFO, Bokaro
			अनु0-I संलग्न है।
ii (d).	Ministry vide its letter dated 17.10.2019 has conveyed its 'in-principle approval" accept the mined out and reclaimed nonforest lands available with the CIL subsidiaries. The Ministry of Coal vide their letter dated 20.01.2022 informed the availability of 300.75 ha of non-forest land, biologically reclaimed, available with the M/s CCL.  The State Government may therefore assess the suitability of such nonforest land to include the same in the CA proposal.	The 300.75 ha of biologically reclaimed land available with the M/s CCL has been proposed to be transferred to forest department details of which are as below  - 33 ha has been proposed for transfer to Bokaro Forest Division in respect of compliance of Stage II Forestry Clearance of Amlo OCP (copy as enclosed Annexure IA); and  - 267.75 ha has been proposed for transfer to Bokaro Forest Division in respect of compliance of Stage II Forestry Clearance of Konar OCP, as evident from the compliance of Stage II vide 8-55/2009-FC in respect of Konar OCP at point no 13 (copy enclosed as Annexure IB).	अनुपालन प्रतिवेदन अनु0-IA एवं IB संलग्न है।
iii	Details of degraded forest identified in lieu of 1.5 times the area 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 details of supporting attributes such as afforestation scheme, suitability certificate, KML files etc.	As the 10.58 Ha of Safety Zone has been ear-marked within the 1006.17 Ha of forest land proposed for diversion, CA Land of 2012.34 Ha i.e 2 times to the land being diverted, has been proposed which covers CA Land 2 times to the safety zone area of 10.58 Ha. The details of total CA Land proposed is shown in <b>Annexure IC</b> .  However, an additional degraded forest area 1.5 times to the area of the safety zone of 10.58 ha i.e. 15.87 ha area has been identified in Ramgarh Forest division. The cadastral plan and KML file of the proposed area is enclosed herewith as Annexure <b>ID&amp; IE</b> . It is requested to provide the suitability certificate and afforestation scheme of the same.	प्रयोक्ता अभिकरण का अनुपालन प्रतिवेदन अनु0—IC, ID & IE संलग्न है।
iv.	As the area has schedule-I and schedule-II species comments of PPCCF (Wildlife) and CWLW Jharkhand on the likely impact of the project on the movement of wildlife in general and elephant in particular need to be furnished by the State.	The observation of PCCF (Wild Life) has been received on the likely impact of project on the movement of wildlife in general. Copy of the observation of PCCF (Wild life) on 16.03.2022 enclosed as <b>Annexure-A</b> .  The Wild life management plan is under preparation. In case of delay in finalization of Wild Life Management Plan, the project proponent undertakes to submit lump sum amount @ 2% of the total Project Cost towards cost of implementation of Wildlife Management Plan in CAMPA account along with Stage I compliance, as per the MOEF & CC directive FC-11/43/2021-FC dated 07/06/2022.	प्रयोक्ता अभिकरण का अनुपालन प्रतिवेदन अनु0—A संलग्न है।
v.	For the purpose wise breakup of forest land		
a.	An area of 26.96 ha of forest land, comprising of 14.95 ha in Ramgarh Forest Division and 12.01 ha in	The Total Project Area of the Kotre Basantpur Pachmo Opencast Project is 1,162.87 ha, out of which 1,006.17 ha is Forest Land and the remaining 156.70 Ha is non-forest land.  The non-forest land is scattered throughout the Project Area.	प्रयोक्ता अभिकरण का अनुपालन प्रतिवेदन अनु0—II संलग्न है।

Sl.	Query by MOEF&CC	Compliance of User Agency	Comments of DFO, Bokaro
	been proposed for infrastructure while only 0.88 ha only has been proposed in non-forest		प्रस्तावित परियोजना में कुल वनभूमि—372.98 है। लालगढ़ं, ओoसीoपीo एवं दिनया से केदला रेलवे लाईन से संबंधित कोई प्रस्ताव इस प्रमण्डल में समर्पित नहीं है।
		Further, cluster of non-forest land having adequate space to accommodate the infrastructure outside the active mining area is not available. Hence, in order to execute mining operation, safely as well as efficiently, allied infrastructure such as workshops, office buildings, etc. have been proposed in the adjoining mining area.	
0.	A total forest land of 134.47 ha of forest land, comprising of 68.86 ha in Ramgarh Forest Division and 65.61 ha in Bokaro Forest Division, has been proposed for Green belt which is in addition to 10.58 ha of forest land earmarked for safety zone. Rationalise for including	A Safety Zone of 7.5 m all around the leasehold area of the mine is proposed to be maintained as per the MOEF&CC guideline dated 04.07.2014. In addition, Green Belt is proposed to be developed adjoining Safety Zone within the leasehold area of the project as an additional measure to contain air pollution and to maintain ecological health of buffer zone. Further ear-marking of green belt area has been necessitated by standard Terms of Reference 1(A) – 8, issued by the MOEF. The map showing the safety zone and green belt of the project area is shown in the <b>Annexure II-A1</b> .	प्रयोक्ता अभिकरण का अनुपालन विचारणीय है। अनु0—II-A1 संलग्न है।
	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.	The area proposed for green belt is required for movement of Mining machinery during quarry operations and the felling of trees is required to facilitate the movement of equipment. Afforestation will be carried out in a phased manner in green belt area after completion of mining operations adjacent to these areas. Hence diversion of this forest land is also essential.	
c.	No area has been earmarked for the storage of top soil.	It has been estimated that around 2.90 Mm <sup>3</sup> topsoil will be generated throughout the life of mine. It has been proposed to store the topsoil in a designated site away from mining operations within the land proposed for diversion and use it for bio reclamation of degraded mine area. The same has been shown on the map enclosed. (Annexure-II A-2)  Top Soil Management Plan is enclosed as Annexure III.	अनुपालन प्रतिवेदन अनु0—II A2 & III संलग्न है।
vi.	Separate cost benefit ratio has been estimated for 633.19 ha and 372.98 ha of forest land indicating the cost benefit ratio of 19.31	Cost benefit ratio for the entire Project including 1,006.17 has of forest land and enclosed as <b>Annexure- IV</b> .	प्रयोक्ता अभिकरण व अनुपालन प्रतिवेदन अनु0—I संलग्न है।

Sl. No.	Query by MOEF&CC	Compliance of User Agency	Comments of DFO, Bokaro
	and 1:26.73, respectively for a single project. Consolidated CB ratio for the entire forest land of 1006.17 involved in the project needs to be submitted by the State.		
vii.	Nearest Railway Station Dania has been reported to be located at a distance of 4 km from the proposed area for diversion. Details of evacuation Plan from the mine head to nearest railway sidings may be informed by the State.	The Coal extracted from the instant Project will be crushed (within the Project Area) and transported to nearby existing Kedla Washery and proposed Tapin Wastery by Belt Conveyor. The Washed Coal will be loaded into the railway wagons via Rapid Loading System and will be transported by Railways Line under construction from Dania Station to Kedla Washery, and the same have been shown in the Surface Plan.  The relevant surface plan is attached as Annexure-V.	प्रयोक्ता अभिकरण का अनुपालन प्रतिवेदन अनु0–V संलग्न है।
viii.	Diversion of nalla has been proposed in the proposal. However, proposed course for diversion, conspicuously depicted on a map (KML file) has not been submitted, the same needs to be submitted. Further, comments of the Department of Water Resources on the efficacy of proposed diversion of nallah by the user agency needs to be informed by the State.	The proposed course of diversion plan as well as KML file of seasonal stream is enclosed as Annexure VI.  We would like to further mention that NOC for the proposed nalla diversions has been obtained from Damodar Valley Corporation (DVC) (Annexure-VI-A) as the project falls under the Command area of DVC.  A detailed project report for the proposed nalla diversions is being prepared by IIT Roorkee. Once the DPR has been prepared the same will be submitted to State Water Resource Department for its approval. The efficacy of the proposed Nalla diversion will be incorporated in the DPR. The copy of work-order awarded to IIT Roorkee is enclosed as Annexure VIB	प्रयोक्ता अभिकरण का अनुपालन प्रतिवेदन अनु0-VI, VI-A & VI-B संलग्न है।
ix.	Forest area has been identified for OB. Non-forest area can also be used for OB. In this context, justification may be given for particularly including 44 ha (as ascertained from KML file) of very dense forest as forest site-specific requirement for dumping OB.	The gradient of the seams proposed to be extracted varies from 18 to 25 degrees. The Block is having difficult geological conditions associated with 15 numbers of fault (copy of geological plan enclosed as Annexure VII A1 and section is enclosed as Annexure VII-A2).  In order to ensure safety of mining operations, certain quantity of OB during initial life of the mine is proposed to be dumped externally which will be flushed with internal OB dump later on.  There is no tenancy/non-forest land available adjacent to the project in any direction. There is Basantpur project on the west side, Lalgarh coal block on the east side, complete forest land on north side and washery & railway line on south side. Thus the proposed 313.50 Ha of forest land for external dumping has become mandatory. The dense forest of 44 Ha is in isolated patches and could not be avoided due to the above reasons.	प्रयोक्ता अभिकरण का अनुपालन प्रतिवेदन अनु0-VII-A1, & VII-A2 संलग्न है।

8ोत्रीय मुख्य वन संरक्षक, बोकारो से प्राप्त अनुपालन प्रतिवेदन तीन प्रतियों में अग्रतर कार्रवाई हेतु इस पत्र के साथ संलग्न भेजा जा रहा है। प्रधान मुख्य वन संरक्षक (HoFF), झारखण्ड का पद वर्त्तमान में रिक्त होने के कारण कार्य की महत्ता को देखते हुये निराकरण प्रतिवेदन राज्य सरकार को सीधे समर्पित किया जा रहा है।

अनु0—यथोक्त।

विश्वासभाजन

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

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## कार्यालय : क्षेत्रीय मुख्य वन संरक्षक, बोकारो।

VAN BHAWAN, PURULIA ROAD, CHAS, BOKARO - 827013

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Email - rccf-bokaro@gov.in/bokarorccf@gmail.com

पत्रांक : 1329

दिनांक : 27/8/22

सेवा में,

PARITY BUT

प्रधान मुख्य वन संरक्षक,

–सह– कार्यकारी निदेशक, बंजर भूमि विकास बोर्ड, झारखण्ड, राँची।

सेन्ट्रल कोलफील्डस लिमिटेड की कोतरे बसन्तपुर पचमो कोल माईन्स परियोजना विस्तारीकरण हेतु बोकारो वन प्रमण्डल अन्तर्गत 372.98 हे0 वनभूमि अपयोजन के प्रस्ताव के संबंध में।

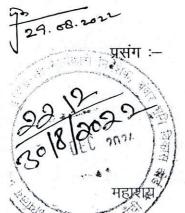
1. भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, नई दिल्ली का पत्र संख्या—F.No 08-08/2022-FC दिनांक 22.06.2022

2. आपका ज्ञापांक 598 दिनांक 06.07.2022

3. वन संरक्षक, प्रादेशिक अंचल, बोकारो का पत्रांक 670 दिनांक 27.08.2022

4. वन प्रमण्डल पदाधिकारी, बोकारो वन प्रमण्डल का पत्रांक 2396 दिनांक 25.08.2022

विषय :--



अरखण्ड

उपर्युक्त विषय के संबंध में सूचित करना है कि भारत सरकार, पर्यावरण, वन एवं

जलवायु परिवर्तन मंत्रालय, नई दिल्ली के प्रासंगिक पत्र के द्वारा विषयगत वनभूमि अपयोजन प्रस्ताव के क्रम में कुल 9 बिन्दुओं पर पृच्छा करते हुए निराकरण प्रतिवेदन उपलब्ध कराने का निर्देश दिया गया है।

वन संरक्षक, प्रादेशिक अंचल, बोकारों ने प्रतिवेदित किया है कि वन प्रमण्डल पदाधिकारी, बोकारों वन प्रमण्डल द्वारा उपरोक्त निर्देश के आलोक में पृच्छा बिन्दुवार निराकरण प्रतिवेदन समर्पित किया गया है, जो निम्नवत् है :--

SI.	Observation of MOEF&CC	Compliance by CCL, KBP	Remarks of DFO Bokaro
i	Proposal has been submitted into two parts for two separate districts, while as per guidelines given under the chapter 7 of the Handbook proposal for a mining lease should be submitted in its entirety. Rationale for submitting isolated proposals for a single project needs to be	Total Forest Land required for Kotre Basantpur Pachmo OCP is 1,006.17 Ha  - Notified Forest: 714.22 Ha  - GMJJ: 291.95 Ha  The district-wise breakup is as below:  - Ramgarh: 633.19 Ha  O Notified Forest: 497.86 Ha O GMJJ: 135.33 Ha  - Bokaro: 372.58 Ha	प्रयोक्ता अभिकरण का अनुपालन प्रतिवेदन विचारणीय है।

Observa	ntion of MOEF&CC	Compliance by CCL, KBP	Remarks of DFO Bokaro
informed	by the State	<ul><li>Notified Forest: 216.36 Ha</li><li>GMJJ: 156.62 Ha</li></ul>	
		Separate applications have been made for the two districts because, as per the Mining Plan, the Mining Operations would commence from the Ramgarh district and continue till 10 years Therefore, the application was first made for Ramgarh district on 22.01.2019.	
		Subsequently, the application for Bokaro district was made on 18.03.2019, since some infrastructure which is allied to Mining Operations such as Workshop, magazine, etc. and the approach road was planned to be constructed in initial period of Mining Operation in Bokaro district.	
		However, we request the Ministry to merge both proposals and make a single proposal encompassing area of 1,006.17 Ha.	
	of the CA area using alysis revealed		2 2 2 2 2
CA has patches, smaller to 0.21 his villages settleme	been proposed in 157 75 patches have area than 5 ha. (as small as a.) Further, in 22 either cultivation, ent, plantation, etc are list enclosed)	The land proposed for CA land is a degraded forest which is notified and demarcated protected forest. The demarcated protected forest in Jharkhand are village wise and mostly in discontinous patches of various size and therefore they are being managed as such. The selected land patches are suitable for CA as per the guidelines. There is some encroachment by local villagers in some patches and they will be removed before taking up compensatory afforestation and will be covered with plantation. No patch of CA land will be left without plantation under CA.	वन प्रमण्डल पदाधिकारी, गिरिडी पूर्वी वन प्रमण्डल के पत्रांक—258 दिनांक—27.07.2022 द्वारा शर्त सं0 ii(a) का अनुपालन प्रतिवेदन व प्रमण्डल पदाधिकारी, रामगढ़ व प्रमण्डल को समर्पित करते हु प्रतिलिपि इस प्रमण्डल को दी ग है। वन प्रमण्डल पदाधिकार गिरिडीह पूर्वी वन प्रमण्डल व ज्ञापांक—2582 दिनांक—27.07.202 की छायाप्रति अनु0—I संलग्न है।
propose classifie Forest Modera per DS	tely Dense Forest as S while no such areas sible on the Google	protected existing in patches of varying size and some patches of varying size and some patches even though mostly degraded have good forest growth in some portions which might appear as dense forest but the average density of selected forest patches in each village is less than 0.4 As the plantation is carried out on degraded forest village wise in Jharkhand with the help of trench fencing is done on outer boundary only, and therefore entire patch is taken as gross area for the purpose of plantation but actual plantation is done on available vacant area. If degraded or vacant land is to be separated from good forest cover in the same patch in a village, trench fencing is required be done across the patch of forest for protecting the plantation, which will make rest of forest susceptible for encroachment and therefore	पूर्वी वन प्रमण्डल के पत्रांक—258 दिनांक—27.07.2022 द्वारा शर्त संव ii(b) का अनुपालन प्रतिवेदन व प्रमण्डल पदाधिकारी, रामगढ़ व प्रमण्डल को समर्पित करते ह प्रतिलिपि इस प्रमण्डल को दी व है। वन प्रमण्डल पदाधिका गिरिडीह पूर्वी वन प्रमण्डल ज्ञापांक—2582 दिनांक—27.07.20 की छायाप्रति अनु0—1 संलग्न है।
		it is avoided. As per the norms at least 1000 plants have to be planted per ha. Over land selected, whereas the CA land selected will easily accommodate 1666 plants per ha. much higher	

	Observation of MOEF&CC	Compliance by CCL, KBP	Remarks of DFO Bokaro
c)		than the stipulated limit. However, it is informed that 37.20 ha. of additional degraded forest land has been identified and K.M.L. file with suitability certificate for the same is being attached herewith.	
)	The State Government may therefore confirm the suitability of such area for raising afforestation and their contiguity with the existing RF/PF.	under the management of Forest Department and therefore the question of contiguity to the PR/RF does not arise. It is clarified again that the land selection is suitable for afforestation.	पूर्वी वन प्रमण्डल के पत्रांक—258 दिनांक—27.07.2022 द्वारा शर्त सं0- ii(c) का अनुपालन प्रतिवेदन व प्रमण्डल पदाधिकारी, रामगढ़ व प्रमण्डल को समर्पित करते हु प्रतिलिपि इस प्रमण्डल को दी गई है वन प्रमण्डल पदाधिकारी, गिरिडी पूर्वी वन प्रमण्डल का ज्ञापांक—258 दिनांक—27.07.2022 की छायाप्रति अनु0—1 संलग्न है।
	Ministry vide its letter dated 17.10.2019 has conveyed its 'in-principle approval" accept the mined out and reclaimed non-forest lands available with the CIL subsidiaries. The Ministry of Coal vide their letter dated 20.01.2022 informed the availability of 300.75 ha of non-forest land, biologically reclaimed, available with the M/s CCL. The State Government may therefore assess the suitability of such non-forest land to include the same in the CA proposal.	The 300.75 ha of biologically reclaimed land available with the M/s CCL has been proposed to be transferred to forest department details of which are as below  - 33 ha has been proposed for transfer to Bokaro Forest Division in respect of compliance of Stage II Forestry Clearance of Amlo OCP (copy as enclosed Annexure IA); and  - 267.75 ha has been proposed for transfer to Bokaro Forest Division in respect of compliance of Stage II Forestry Clearance of Konar OCP, as evident from the compliance of Stage II vide 8-55/2009-FC in respect of Konar OCP at point no 13 (copy enclosed as Annexure IB).	प्रतिवेदन अनु0-IA एवं IB संलग्न है।
	Details of degraded forest identified in lieu of 1.5 times the area 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 details of supporting attributes such as afforestation scheme, suitability certificate, KML files etc.	As the 10.58 Ha of Safety Zone has been earmarked within the 1006.17 Ha of forest land proposed for diversion, CA Land of 2012.34 Ha i.e 2 times to the land being diverted, has been proposed which covers CA Land 2 times to the safety zone area of 10.58 Ha. The details of total CA Land proposed is shown in <b>Annexure IC</b> . However, an additional degraded forest area 1.5 times to the area of the safety zone of 10.58 ha i.e. 15.87 ha area has been identified in Ramgarh Forest division. The cadastral plan and KML file of the proposed area is enclosed herewith as Annexure <b>ID&amp; IE</b> . It is requested to provide the suitability certificate and afforestation scheme of the same.	प्रयोक्ता अभिकरण का अनुपालन प्रतिवेदन अनु0—IC, ID & IE संलग्न है।
(	As the area has schedule-I and schedule-II species comments of PPCCF (Wildlife) and CWLW Jharkhand on the likely impact of the project on	The observation of PCCF (Wild Life) has been received on the likely impact of project on the movement of wildlife in general. Copy of the observation of PCCF (Wild life) on 16.03.2022 enclosed as Annexure-A.	प्रयोक्ता अभिकरण का अनुपालन प्रतिवेदन अनु0-A संलग्न है।

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•	illiservation of MOEF&CC	Compliance by CCL, KBP	Remarks of DFO Bokaro
	particular need to be furnished by the State.	The Wild life management plan is under preparation. In case of delay in finalization of Wild Life Management Plan, the project proponent undertakes to submit lump sum amount @ 2% of the total Project Cost towards cost of implementation of Wildlife Management Plan in CAMPA account along with Stage I compliance, as per the MOEF & CC directive FC-11/43/2021-FC dated 07/06/2022.	
v.	For the purpose wise breakup of forest land		
a.	An area of 26.96 ha of forest land, comprising of 14.95 ha in Ramgarh Forest Division and 12.01 ha in Bokaro Forest Division, has been proposed for infrastructure while only 0.88 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.	The Total Project Area of the Kotre Basantpur Pachmo Opencast Project is 1,162.87 ha, out of which 1,006.17 ha is Forest Land and the remaining 156.70 Ha is non-forest land.  The non-forest land is scattered throughout the Project Area. To ensure the safety and ease of operations, the essential infrastructures such as Belt Conveyor, Coal Handling Plant, Sub-Station, etc. are proposed on the leasehold area, adjoining to the area proposed to be used for coal mining purpose.  North side of the Project Area is Forest Land. The area towards East & West is coal bearing areas associated with upcoming Basantpur OCP in the West and Lalgarh OCP in the East. In the South side Kedla washery and Dania to Kedla railway line are proposed.  This has forced to accommodate infrastructure within the leasehold area. Some of the infrastructures are temporary in nature and may need to be shifted during Mining operations.  Further, cluster of non-forest land having adequate space to accommodate the infrastructure outside the active mining area is not available. Hence, in order to execute mining operation, safely as well as efficiently, allied infrastructure such as workshops, office buildings, etc. have been proposed in the adjoining mining area.	प्रयोक्ता अभिकरण का अनुपालन प्रतिवेदन अनु0—II संलग्न है। बोकारो जिला अन्तर्गत प्रस्तावित परियोजना में कुल वनभूमि—372.98 है। लालगढ़ ओ०सी०पी० एवं दनिया से केदला रेलवे लाईन से संबंधित कोई प्रस्ताव इस प्रमण्डल में समर्पित नहीं है।
b.	A total forest land of 134.47 ha of forest land, comprising of 68.86 ha in Ramgarh Forest Division and 65.61 ha in Bokaro Forest Division, has been proposed for Green belt which is in addition to 10.58 ha of forest land earmarked for safety zone. Rationalise for including green belt area in the project which could otherwise be excluded from	Copy of Plan is enclosed as Annexure II.  A Safety Zone of 7.5 m all around the leasehold area of the mine is proposed to be maintained as per the MOEF&CC guideline dated 04.07.2014. In addition, Green Belt is proposed to be developed adjoining Safety Zone within the leasehold area of the project as an additional measure to contain air pollution and to maintain ecological health of buffer zone. Further earmarking of green belt area has been necessitated by standard Terms of Reference 1(A) – 8, issued by the MOEF. The map showing the safety zone and green belt of the project area is shown in the Annexure II-A1.	प्रयोक्ता अभिकरण का अनुपालन विचारणीय है। अनु0–II-A1 संलग्न है।



	Observation of MOEF&CC	Compliance by CCL, KBP	Remarks of DFO Bokaro
	the project and be managed by the Forest Department. Considered view of the State Government in this regard needs to be furnished.	The area proposed for green belt is required for movement of Mining machinery during quarry operations and the felling of trees is required to facilitate the movement of equipment. Afforestation will be carried out in a phased manner in green belt area after completion of mining operations adjacent to these areas. Hence diversion of this forest land is also essential.	
c.	No area has been earmarked for the storage of top soil.	It has been estimated that around 2.90 Mm <sup>3</sup> topsoil will be generated throughout the life of mine. It has been proposed to store the topsoil in a designated site away from mining operations within the land proposed for diversion and use it for bio reclamation of degraded mine area. The same has been shown on the map enclosed. (Annexure-II A-2)  Top Soil Management Plan is enclosed as Annexure III.	प्रयोक्ता अभिकरण का अनुपालन प्रतिवेदन अनु0—II-A2 & III संलग्न है।
vi.	Separate cost benefit ratio has been estimated for 633.19 ha and 372.98 ha of forest land indicating the cost benefit ratio of 19.31 and 1:26.73, respectively for a single project. Consolidated CB ratio for the entire forest land of 1006.17 involved in the project needs to be submitted by the State.	Cost benefit ratio for the entire Project including 1,006.17 ha of forest land and enclosed as Annexure- IV.	प्रयोक्ता अभिकरण का अनुपालन प्रतिवेदन अनु0—IV संलग्न है।
vii.	Nearest Railway Station Dania has been reported to be located at a distance of 4 km from the proposed area for diversion. Details of evacuation Plan from the mine head to nearest railway sidings may be informed by the State.	The Coal extracted from the instant Project will be crushed (within the Project Area) and transported to nearby existing Kedla Washery and proposed Tapin Wastery by Belt Conveyor. The Washed Coal will be loaded into the railway wagons via Rapid Loading System and will be transported by Railways Line under construction from Dania Station to Kedla Washery, and the same have been shown in the Surface Plan.  The relevant surface plan is attached as Annexure-V.	प्रतिवेदन अनु0–V संलग्न है।
viii.	Diversion of nalla has been proposed in the proposal. However, proposed course for diversion, conspicuously depicted on a map (KML file) has not been submitted, the same needs to be submitted. Further, comments of the Department of Water Resources on the efficacy of proposed diversion of nallah by the user agency needs to be informed by the State.	The proposed course of diversion plan as well as KML file of seasonal stream is enclosed as Annexure VI.  We would like to further mention that NOC for the proposed nalla diversions has been obtained from Damodar Valley Corporation (DVC) (Annexure-VI-A) as the project falls under the Command area of DVC.  A detailed project report for the proposed nalla diversions is being prepared by IIT Roorkee. Once the DPR has been prepared the same will be submitted to State Water Resource Department for its approval. The efficacy of the proposed Nalla	



Observation of MOEF&CC	Compliance by CCL, KBP	Remarks of DFO Bokaro
	diversion will be incorporated in the DPR. The copy of work-order awarded to IIT Roorkee is enclosed as <b>Annexure VIB</b>	
Forest area has been identified for OB. Non-forest area can also be used for OB. In this context, justification may be given for particularly including 44 ha (as ascertained from KML file) of very dense forest as forest site-specific requirement for dumping OB.	The gradient of the seams proposed to be extracted varies from 18 to 25 degrees. The Block is having difficult geological conditions associated with 15 numbers of fault (copy of geological plan enclosed as Annexure VII A1 and section is enclosed as Annexure VII-A2). In order to ensure safety of mining operations, certain quantity of OB during initial life of the mine is proposed to be dumped externally which will be flushed with internal OB dump later on. There is no tenancy/non-forest land available adjacent to the project in any direction. There is Basantpur project on the west side, Lalgarh coal block on the east side, complete forest land on north side and washery & railway line on south side. Thus the proposed 313.50 Ha of forest land for external dumping has become mandatory. The dense forest of 44 Ha is in isolated patches and could not be avoided due to the above reasons.	प्रयोक्ता अभिकरण का अनुपालन प्रतिवेदन अनु0-VII-A1, & VII- A2 संलग्न है।

प्राप्त निराकरण प्रतिवेदन की **पाँच (05)** प्रतियाँ संलग्न अग्रसारित करते हुए अनुरोध है कि आवश्यक अग्रतर कार्रवाई करने की कृपा की जाय।

अनु0— यथोक्त।

विश्वासभाजन

क्षेत्रीय मुख्य वन संरक्षक, बोकारो।



## कार्यालय : वन संरक्षक, प्रादेशिक अंचल, बोकारो।

वन भवन, ब्लॉक-'ए' पुरुलिया रोड़, चास, बोकारो-827013

Email - cf-bokaro@gov.in, bokarocf@gmail.com, cfbokaro@rediffmail.com मो० - 8987790301

पत्रांक : 670, दिनांक : 27.08.2022

सेवा में,

क्षेत्रीय मुख्य वन संरक्षक, बोकारो।

विषय:-

सेन्ट्रल कोलफील्डस लिमिटेड की कोतरे बसन्तपुर पचमो कोल माईन्स परियोजना विस्तारीकरण हेतु बोकारो वन प्रमण्डल अन्तर्गत 372.98 हे0 वनभूमि अपयोजन के प्रस्ताव के संबंध में।

प्रसंग :-1238 198 90

महाशय,

भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, नई दिल्ली का पत्र संख्या—F.No 08-08/2022-FC दिनांक 22.06.2022, प्रधान मुख्य वन संरक्षक—सह—कार्यकारी निदेशक, बंजर भूमि विकास बोर्ड, झारखण्ड, राँची का ज्ञापांक 598 दिनांक 06.07.2022 एवं वन प्रमण्डल पदाधिकारी, बोकारो वन प्रमण्डल का पत्रांक 2396 दिनांक 25.08.2022।

उपर्युक्त विषय के संबंध में सूचित करना है कि भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, नई दिल्ली के प्रासंगिक पत्र के द्वारा विषयगत वनभूमि अपयोजन प्रस्ताव के क्रम में कुल 9 बिन्दुओं पर पृच्छा करते हुए निराकरण प्रतिवेदन उपलब्ध कराने का निर्देश दिया गया है।

वन प्रमण्डल पदाधिकारी, बोकारों वन प्रमण्डल के प्रासंगिक पत्र के द्वारा उपरोक्त निर्देश के आलोक में पृच्छा बिन्दुवार निराकरण प्रतिवेदन समर्पित किया गया है, जो निम्नवत् है :--

Observation of MOEF&CC	Compliance by CCL, KBP	Remarks of DFO Bokaro
Proposal has been submitted into two parts for two separate districts, while as per guidelines given under the chapter 7 of the Handbook proposal for a mining lease should be submitted in its entirety. Rationale for submitting isolated proposals for a single project needs to be informed by the State	Total Forest Land required for Kotre Basantpur Pachmo OCP is 1,006.17 Ha  - Notified Forest: 714.22 Ha - GMJJ: 291.95 Ha  The district-wise breakup is as below: - Ramgarh: 633.19 Ha	प्रयोक्ता अभिकरण का अनुपालन प्रतिवेदन विचारणीय है।

Intion of BF&CC	Compliance by CCL, KBP	Remarks of DFO
	Subsequently, the application for Bokaro district was made on 18.03.2019, since some infrastructure which is allied to Mining Operations such as Workshop magazine, etc. and the approach road was planned to be constructed in initial period of Mining Operation in Bokaro district.  However, we request the Ministry to merge both proposals and make a single proposal encompassing area of 1,006.17 Ha.	
Analysis of the CA area using DSS analysis revealed		
CA has been proposed in 157 patches, 75 patches have area smaller than 5 ha. (as small as 0.21 ha.) Further, in 22 villages either cultivation, settlement, plantation, etc are visible (list enclosed)	The land proposed for CA land is a degraded forest which is notified and demarcated protected forest. The demarcated protected forest in Jharkhand are village wise and mostly in discontinous patches of various size and therefore they are being managed as such. The selected land patches are suitable for CA as per the guidelines. There is some encroachment by local villagers in some patches and they will be removed before taking up compensatory afforestation and will be covered with plantation. No patch of CA land will be left without plantation under CA.	पूर्वी वन प्रमण्डल के पत्रांक—2582 दिनांक—27.07.2022 द्वारा शर्त सं0—ii(a) का अनुपालन प्रतिवेदन वन प्रमण्डल पदाधिकारी, रामगढ़ वन प्रमण्डल को समर्पित करते हुए प्रतिलिपि इस प्रमण्डल को दी गई है। वन प्रमण्डल का ज्ञापांक—2582 दिनांक—27.07.2022 की छायाप्रति अनु0—I संलग्न है।
Further, out of total area proposed for CA, 3 ha. is classified as Very Dense Forest and 26 ha. As Moderately Dense Forest as per DSS while no such areas are visible on the Google Imagery.	Forest land selected for CA is demarcated protected existing in patches of varying size and some patches of varying size and some patches even though mostly degraded have good forest growth in some portions which might appear as dense forest but the average density of selected forest patches in each village is less than 0.4 As the plantation is carried out on degraded forest village wise in Jharkhand with the help of trench fencing is done on outer boundary only, and therefore entire patch is taken as gross area for the purpose of plantation but actual plantation is done on available vacant area. If degraded or vacant land is to be separated from good forest cover in the same patch in a village, trench fencing is required be done across the patch of forest for protecting the plantation, which will make rest of forest susceptible for encroachment and therefore it is avoided. As per the norms at least 1000 plants have to be planted per ha. Over land selected, whereas the CA land selected will easily accommodate 1666 plants per ha. much higher than the stipulated limit. However, it is informed that 37.20 ha. of additional degraded forest land has been identified and K.M.L. file with suitability certificate for the same is being attached herewith.	वन प्रमण्डल पदाधिकारी, गिरिडीह पूर्वी वन प्रमण्डल के पत्रांक—2582 दिनांक—27.07.2022 द्वारा शर्त सं0—ii(b) का अनुपालन प्रतिवेदन वन प्रमण्डल पदाधिकारी, रामगढ़ वन प्रमण्डल को समर्पित करते हुए प्रतिलिपि इस प्रमण्डल को दी गई है। वन प्रमण्डल पदाधिकारी, गिरिडीह पूर्वी वन प्रमण्डल का ज्ञापांक—2582 दिनांक—27.07.2022 की छायाप्रति अनु0—I संलग्न है।
The State Government may therefore confirm the suitability of such area for raising afforestation and their contiguity with the existing RF/PF.	The land area selected is already a notified PF under the management of Forest Department and therefore the question of contiguity to the PR/RF does not arise. It is clarified again that the land selection is suitable for afforestation.	वन प्रमण्डल पदाधिकारी, गिरिडीह पूर्वी वन प्रमण्डल के पत्रांक-2582 दिनांक-27.07.2022 द्वारा शर्त सं0- ii(c) का अनुपालन प्रतिवेदन वन प्रमण्डल पदाधिकारी, रामगढ़ वन प्रमण्डल को समर्पित करते हुए प्रतिलिपि इस प्रमण्डल को दी गई है। वन प्रमण्डल पदाधिकारी, गिरिडीह पूर्वी वन प्रमण्डल का ज्ञापांक-2582 दिनांक-27.07.2022 की छायाप्रति अनु0-1 संलग्न है।

vation of JEF&CC	Compliance by CCL, KBP	Remarks of DFO Bokaro
stry vide its	The 300.75 ha of biologically reclaimed land available	प्रयोक्ता अभिकरण का अनुपालन
etter dated	with the M/s CCL has been proposed to be transferred to	प्रतिवेदन अनु0-IA एवं IB संलग्न है।
* /.10.2019 has	forest department details of which are as below	21 74 12 (11 1 6)
onveyed its 'in-	- 33 ha has been proposed for transfer to Bokaro Forest	
rinciple approval"	Division in respect of compliance of Stage II Forestry	
accept the mined	Clearance of Amlo OCP (copy as enclosed	
out and reclaimed	Annexure IA); and	
non-forest lands	Annexure IA), and	
available with the		
CIL subsidiaries.	267.75 ha has been proposed for transfer to Bokaro	
The Ministry of	Forest Division in respect of compliance of Stage II	
Coal vide their	Forestry Clearance of Konar OCP, as evident from	
letter dated	the compliance of Stage II vide 8-55/2009-FC in	
20.01.2022	respect of Konar OCP at point no 13 (copy enclosed	
informed the		
availability of	as Annexure IB).	
300.75 ha of non-		
forest land,	[2017] 그리아이 그렇면요요.[2012] [2022] [2022]	
biologically		
reclaimed,		
available with the		
M/s CCL.		
The State		
Government may		
therefore assess the		
suitability of such		
non-forest land to		
include the same in		
the CA proposal.		
Details of degraded	As the 10.58 Ha of Safety Zone has been ear-marked	प्रयोक्ता अभिकरण का अनुपालन
forest identified in	within the 1006.17 Ha of forest land proposed for	प्रतिवेदन अनु0-IC, ID & IE संलग्न
lieu of 1.5 times the	diversion, CA Land of 2012.34 Ha i.e 2 times to the land	है।
area of safety zone of	being diverted, has been proposed which covers CA Land	61
the mining leases for	2 times to the safety zone area of 10.58 Ha. The details of	
raising afforestation	total CA Land proposed is shown in Annexure IC.	
has not been	However, an additional degraded forest area 1.5 times to	
submitted along with	the area of the safety zone of 10.58 ha i.e. 15.87 ha area	
the proposal. Same	has been identified in Ramgarh Forest division. The	
needs to be submitted	cadastral plan and KML file of the proposed area is	
along with complete	enclosed herewith as Annexure ID& IE. It is requested	
details of supporting attributes such as	to provide the suitability certificate and afforestation	
afforestation scheme.	scheme of the same.	
suitability certificate,		
KML files etc.		
As the area has	The observation of PCCF (Wild Life) has been received	प्रयोक्ता अभिकरण का अनुपालन
schedule-I and	on the likely impact of project on the movement of	
schedule-II species	wildlife in general. Copy of the observation of PCCF	प्रतिवेदन अनु0-A संलग्न है।
comments of PPCCF	(Wild life) on 16.03.2022 enclosed as Annexure-A.	
(Wildlife) and	The Wild life management plan is under preparation. In	
CWLW Jharkhand	case of delay in finalization of Wild Life Management	
on the likely impact	Plan, the project proponent undertakes to submit lump	
of the project on the		
movement of wildlife	sum amount @ 2% of the total Project Cost towards cost	
in general and	of implementation of Wildlife Management Plan in	
elephant in particular need to be furnished	CAMPA account along with Stage I compliance, as per the MOEF & CC directive FC-11/43/2021-FC dated	
by the State.	07/06/2022.	
-7	0110012022.	

rvation of DEF&CC	Compliance by CCL, KBP	Remarks of DFO
e purpose wis		Bokaro
akup of forest		
land		
area of 26.96 ha	The Total Project Area of the W.	
of forest land,		प्रयोक्ता अभिकरण का अनुपालन
comprising of	Opencast Project is 1,162.87 ha, out of which 1,006.17	प्रतिवेदन अन्0—II संलग्न है।
14.95 ha in	ha is Forest Land and the remaining 156.70 Ha is non- forest land.	बिकारी जिला अन्तर्गत प्रस्तावित
Ramgarh Forest		परियोजना में कुल वनभूमि-372.98
Division and 12.01	The non-forest land is scattered throughout the Project Area. To ensure the safety and ease of operations, the	है। लालगढ़ ओ०सी०पी० एवं दिनर
ha in Bokaro Forest	essential infrastructures such as Belt Conveyor, Coal	से केदला रेलवे लाईन से संबंधित
Division, has been	Handling Plant, Sub-Station, etc. are proposed on the	कोई प्रस्ताव इस प्रमण्डल में समर्पि
proposed for	leasehold area, adjoining to the area proposed to be used	नहीं है।
infrastructure while	for coal mining purpose.	
only 0.88 ha only	North side of the Project Area is Forest Land. The area	
has been proposed	towards East & West is coal bearing areas associated	
in non-forest land.	with upcoming Basantpur OCP in the West and Lalgarh	
The State	OCP in the East. In the South side Kedla washery and	
Government may	Dania to Kedla railway line are proposed.	
therefore assess the	This has forced to accommodate infrastructure within the	
legitimacy of site-	leasehold area. Some of the infrastructures are temporary	
specificity of	in nature and may need to be shifted during Mining	
various	operations.	
infrastructural	Further, cluster of non-forest land having adequate space	
components and	to accommodate the infrastructure outside the active	
possibility to shift	mining area is not available. Hence, in order to execute	
non-site-specific	mining operation, safely as well as efficiently, allied	
components to the	infrastructure such as workshops, office buildings, etc.	
non-forest land.	have been proposed in the adjoining mining area.	
	Copy of Plan is enclosed as Annexure II.	
A total forest land	A Safety Zone of 7.5 m all around the leasehold area of	
of 134.47 ha of	the mine is proposed to be maintained as per the	प्रयोक्ता अभिकरण का अनुपालन
forest land,	MOEF&CC guideline dated 04.07.2014. In addition,	विचारणीय है। अनु0-II-A1 संलग्न
comprising of	Green Belt is proposed to be developed adjoining Safety	है।
68.86 ha in	Zone within the leasehold area of the project as an	
Ramgarh Forest	additional measure to contain air pollution and to	
Division and 65.61	maintain ecological health of buffer zone. Further ear-	
ha in Bokaro Forest	marking of green belt area has been necessitated by	
Division, has been	standard Terms of Reference 1(A) – 8, issued by the	
proposed for Green	MOEF. The map showing the safety zone and green belt	
belt which is in	of the project area is shown in the Annexure II-A1.	
addition to 10.58	The area proposed for green belt is required for	
ha of forest land	movement of Mining machinery during quarry operations	
earmarked for	and the felling of trees is required to facilitate the	
safety zone.	movement of equipment. Afforestation will be carried	
Rationalise for	out in a phased manner in green helt area often	
including green	completion of mining operations adjacent to these areas.	
belt area in the	Hence diversion of this forest land is also essential.	
project which could	and is also essential.	
otherwise be		
excluded from the		5 H
project and be		
managed by the		
Forest Department.		
Considered view of		
the State	,	
	, ·	ή χ
Government in this	1	
Government in this regard needs to be furnished.		W

/vation of /EF&CC	Compliance by CCL, KBP	Remarks of DFO Bokaro
a has been trked for the age of top soil.	It has been estimated that around 2.90 Mm³ topsoil will be generated throughout the life of mine. It has been proposed to store the topsoil in a designated site away from mining operations within the land proposed for diversion and use it for bio reclamation of degraded mine area. The same has been shown on the map enclosed. (Annexure-II A-2)  Top Soil Management Plan is enclosed as Annexure III.	प्रयोक्ता अभिकरण का अनुपालन प्रतिवेदन अनु0—II-A2 & III संलग्न है।
benefit ratio has been estimated for 633.19 ha and 372.98 ha of forest land indicating the cost benefit ratio of 19.31 and 1:26.73 respectively for a single project. Consolidated CB ratio for the entire forest land of 1006.17 involved in the project need to be submitted by the State.	f i	प्रयोक्ता अभिकरण का अनुपालन प्रतिवेदन अनु0—IV संलग्न है।
Nearest Railway Station Dania has been reported to be located at a distance of 4 km from the proposed area for diversion. Details o evacuation Plan from the mine head to nearest railway sidings may be informed by the State.	Wastery by Belt Conveyor. The Washed Coal will be loaded into the railway wagons via Rapid Loading System and will be transported by Railways Line under construction from Dania Station to Kedla Washery, and the same have been shown in the Surface Plan.	प्रयोक्ता अभिकरण का अनुपालन प्रतिवेदन अनु0–V संलग्न है।
ii. Diversion of nalla has been proposed in the proposal. However, proposed course for diversion conspicuously depicted on a map (KML file) has not been submitted, the same needs to be submitted. Further, comments of the Department of Water Resources on the efficacy of proposed diversion of nallah by the user agency needs to be informed by the State.	Damodar Valley Corporation (DVC) (Annexure-VI-A) as the project falls under the Command area of DVC. A detailed project report for the proposed nalla diversions is being prepared by IIT Roorkee. Once the DPR has been prepared the same will be submitted to State Water Resource Department for its approval. The efficacy of the proposed Nalla diversion will be incorporated in the DPR. The copy of work-order awarded to IIT Roorkee is enclosed as Annexure VIB	प्रयोक्ता अभिकरण का अनुपालन प्रतिवेदन अनु0–VI, VI-A & VI-B संलग्न है।

rvation of DEF&CC	Compliance by CCL, KBP	Remarks of DFO
est area has plidentified for B. Non-forest area can also be sed for OB. In this context, justification may be given for particularly including 44 ha (as ascertained from KML file) of very dense forest as forest site-specific requirement for dumping OB.	The gradient of the seams proposed to be extracted varies from 18 to 25 degrees. The Blcck is having difficult geological conditions associated with 15 numbers of fault (copy of geological plan enclosed as Annexure VII A1 and section is enclosed as Annexure VII-A2). In order to ensure safety of mining operations, certain quantity of OB during initial life of the mine is proposed to be dumped externally which will be flushed with internal OB dump later on.  There is no tenancy/non-forest land available adjacent to the project in any direction. There is Basantpur project on the west side, Lalgarh coal block on the east side, complete forest land on north side and washery & railway line on south side. Thus the proposed 313.50 Ha of forest land for external dumping has become mandatory. The dense forest of 44 Ha is in isolated patches and could not be avoided due to the above	Bokaro प्रयोक्ता अभिकरण का अनुपालन प्रतिवेदन अनु0–VII-A1, & VII-A2 संलग्न है।

प्राप्त निराकरण प्रतिवेदन की छः प्रतियाँ संलग्न अग्रसारित करते हुए अनुरोध है कि आवश्यक अग्रतर कार्रवाई करने की कृपा की जाय।

अनु० :- यथोक्त।

reasons.

विश्वासभाजन

वन सरक्षक, प्रादेशिक अंचल, बोकारो।

## कार्यालय: - वन प्रमण्डल पदाधिकारी, बोकारो वन प्रमण्डल, बोकारो



E-mail: dfo-bokaro@gov.in & bokarodfo@gmail.com

Phone/Fax No: +91-6542-265142

पत्रांक :- 2396

दिनांक :- 25- 8- 2022

सेवा में.

वन संरक्षक.

प्रदेशिक अंचल, बोकारो।

विषय :-

Compliance to the query raised in respect to the proposal for diversion of forest land of 372.98 Ha falls in Bokaro District of Kotre Basantpur Pachmo OCP. Dated-08.07.2022

प्रसंगः-

वन, पर्यावरण एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के पत्र सं0-08-08/2022-FC दिनांक-22.06.2022 एवं प्रधान मुख्य वन संरक्षक-सह-कार्यकारी निदेशक, बंजर भूमि विकास बोर्ड, झारखण्ड, रौँची का ज्ञापांक—598 दिनांक—06.07.2022, तथा परियोजना पदाधिकारी, सी०सी०एल०, कोतरे बसंतपुर-पचमों ओ०सी०पी० का पत्रांक-55 दिनांक-28.07.2022 एवं पत्रांक-64 दिनांक-18.08.2022

26/08/2022

महाशय.

उपुर्यक्त विषयक प्रासंगिक पत्र के संबंध में सूचित करना है कि वन, पर्यावरण एवं

जलवायु परिवर्तन मंत्रालय, भारत सरकार के पत्र सं0-08-08/2022-FC दिनांक-22.06.2022 द्वारा विषयगत परियोजना के संबंध में कुल-9 बिन्दुओं पर पृच्छा की गई है। जिसका अनुपालन प्रतिवेदन

प्रयोक्ता अभिकरण द्वारा समर्पित किया गया है, जो निम्नवत् है :--

. MOE	ation of F&CC	Compliance by CCL, KBP	DFO, Bokaro Remarks
	has been into two or two districts, as per es given chapter 7 andbook al for a lease d be ed in its cationale mitting roposals e project to be l by the	Total Forest Land required for Kotre Basantpur Pachmo OCP is 1,006.17 Ha  - Notified Forest: 714.22 Ha - GMJJ: 291.95 Ha  The district-wise breakup is as below: - Ramgarh: 633.19 Ha  o Notified Forest: 497.86 Ha o GMJJ: 135.33 Ha - Bokaro: 372.98 Ha o Notified Forest: 216.36 Ha o GMJJ: 156.62 Ha  Separate applications have been made for the two districts because, as per the Mining Plan, the Mining Operations would commence from the Ramgarh district and continue till 10 years Therefore, the application was first made for Ramgarh district on 22.01.2019. Subsequently, the application for Bokaro district was	[R. V 7 B. R. B. L A. V. B. L. B.
i i i i i i i i i i i i i i i i i i i		made on 18.03.2019, since some infrastructure which is allied to Mining Operations such as Workshop, magazine, etc. and the approach road was planned to be constructed in initial period of Mining Operation in Bokaro district.  However, we request the Ministry to merge both proposals and make a single proposal encompassing area of 1,006.17 Ha.	

41. No.	Observation of MOEF&CC	Compliance by CCL, KBP	DFO, Rema
ii	Analysis of the CA area using DSS analysis revealed		
(a)	CA has been proposed in 157 patches, 75 patches have area smaller than 5 ha. (as small as 0.21 ha.) Further, in 22 villages either cultivation, settlement, plantation, etc are visible (list enclosed)	The land proposed for CA land is a degraded forest which is notified and demarcated protected forest. The demarcated protected forest in Jharkhand are village wise and mostly in discontinuous patches of various size and therefore they are being managed as such. The selected land patches are suitable for CA as per the guidelines. There is some encroachment by local villagers in some patches and they will be removed before taking up compensatory afforestation and will be covered with plantation. No patch of CA land will be left without plantation under CA.	वन प्रमण्डल पदाधिकारी, गिर्मिष्मूर्यी वन प्रमण्डल के पत्रांक या पूर्वी वन प्रमण्डल के पत्रांक या प्रितं रात विनाक—27.07.2022 द्वारा शर्त रात विनाक—27.07.2022 द्वारा शर्त रात प्रमण्डल पदाधिकारी, रामगढ़ वन प्रमण्डल को समर्पित करते हुए प्रतिलिपि इस प्रमण्डल को दी गई है। वन प्रमण्डल पदाधिकारी, गिरिडी पूर्वी वन प्रमण्डल का ज्ञापांक—2582 विनाक—27.07.2022 की छायाप्रति अनु0—1 संलग्न है।
(b)	Further, out of total area propesed for CA, 3 ha. is classified as Very Dense Forest and 26 ha. as Moderately Dense Forest as per DSS while no such areas are visible on the Google Imagery.	Forest land selected for CA is demarcated protected existing in patches of varying size and some patches of varying size and some patches even though mostly degraded have good forest growth in some portions which might appear as dense forest but the average density of selected forest patches in each village is less than 0.4 As the plantation is carried out on degraded forest village wise in Jharkhand with the help of trench fencing is done on outer boundary only, and therefore entire patch is taken as gross area for the purpose of plantation but actual plantation is done on available vacant area. If degraded or vacant land is to be separated from good forest cover in the same patch in a village, trench fencing is required be done across the patch of forest for protecting the plantation, which will make rest of forest susceptible for encroachment and therefore it is avoided. As per the norms at least 1000 plants have to be planted per ha. over land selected, whereas the CA land selected will easily accommodate 1666 plants per ha. much higher than the stipulated limit. However, it is informed that 37.20 ha. of additional degraded forest land has been identified and K.M.L. file with suitability certificate for the same is being attached herewith.	वन प्रमण्डल पदाधिकारी, गिरिडीह पूर्वी वन प्रमण्डल के पत्रांक—2582 दिनांक—27.07.2022 द्वारा शर्त सं0— ii(b) का अनुपालन प्रतिवेदन वन प्रमण्डल पदाधिकारी, रामगढ़ वन प्रमण्डल को समर्पित करते हुए प्रतिलिपि इस प्रमण्डल को दी गई है। वन प्रमण्डल पदाधिकारी, गिरिडी पूर्वी वन प्रमण्डल का ज्ञापांक—2582 दिनांक—27.07.2022 की छायाप्रति अनु0—1 संलग्न है।
(0)	Government may therefore confirm the suitability of such area for raising afforestation and their contiguity with the existing RF/PF.	The land area selected is already a notified PF under the management of Forest Department and therefore the question of contiguity to the PR/RF does not arise. It is clarified again that the land selection is suitable for afforestation.	वन प्रमण्डल पदाधिकारी, गिरिडीह पूर्वी वन प्रमण्डल के पत्रांक-2582 दिनांक-27.07.2022 द्वारा शर्त सं0 ii(c) का अनुपालन प्रतिवेदन वन प्रमण्डल पदाधिकारी, रामगढ़ वन प्रमण्डल को समर्पित करते हुए प्रतिलिपि इस प्रमण्डल को दी गइ है। वन प्रमण्डल पदाधिकारी, गिरिड पूर्वी वन प्रमण्डल का ज्ञापांक-258 दिनांक-27.07.2022 की छायाप्रित अनु0-1 संलग्न है।
ii (d	Ministry vide its letter dated 17.10.2019 has conveyed its 'in- principle approval" accept the mined out and reclaimed non-forest lands available with the	The 300.75 ha of biologically reclaimed land available with the M/s CCL has been proposed to be transferred to forest department details of which are as below  - 33 ha has been proposed for transfer to Bokaro Forest Division in respect of compliance of Stage II Forestry Clearance of Amlo OCP (copy as enclosed Annexure IA); and  - 267.75 ha has been proposed for transfer to Bokaro	प्रतिवेदन अनु0-IA एव IB सलग्न

oservation of OEF&CC	Compliance by CCL, KBP	DFO, Bokaro Remarks
IL subsidiaries. The Ministry of Coal vide their letter dated 20.01.2022 informed the availability of 300.75 ha of non- forest land, biologically reclaimed, available with the M/s CCL. The State	Forestry Clearance of Konar OCP, as evident from the compliance of Stage II vide 8-55/2009-FC in respect of Konar OCP at point no 13 (copy enclosed as Annexure IB).	1
Government may therefore assess the suitability of such non-forest land to include the same in the CA proposal.		
forest identified in lieu of 1.5 times the area 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 details of supporting attributes such as afforestation scheme suitability certificate, KML files etc.	within the 1006.17 Ha of forest land proposed for diversion, CA Land of 2012.34 Ha i.e 2 times to the land being diverted, has been proposed which covers CA Land 2 times to the safety zone area of 10.58 Ha. The details of total CA Land proposed is shown in Annexure IC. However, an additional degraded forest area 1.5 times to the area of the safety zone of 10.58 ha i.e. 15.87 ha area has been identified in Ramgarh Forest division. The cadastral plan and KML file of the proposed area is enclosed herewith as Annexure ID& IE. It is requested to provide the suitability certificate and afforestation scheme of the same.	प्रतिवेदन अनु0-IC, ID & IE संलग्न है।
As the area has schedule-I and schedule-II species comments of PPCCF (Wildlife) and CWLW Jharkhand on the likely impact of the project on the movement of wildlife in general and elephant in particular need to be furnished by the State.	The observation of PCCF (Wild Life) has been received on the likely impact of project on the movement of wildlife in general. Copy of the observation of PCCF (Wild life) on 16.03.2022 enclosed as Annexure-A. The Wild life management plan is under preparation. In case of delay in finalization of Wild Life Management Plan, the project proponent undertakes to submit lumpsum amount @ 2% of the total Project Cost towards cost of implementation of Wildlife Management Plan in CAMPA account along with Stage I compliance, as per the MOEF & CC directive FC-11/43/2021-FC dated 07/06/2022.	प्रयोक्ता अभिकरण का अनुपालन प्रतिवेदन अनु0—A संलग्न है।
For the purpose wise breakup of forest land		
An area of 26.96 ha of forest land, comprising of 14.95 ha in Ramgarh Forest Division and 12.01	The Total Project Area of the Kotre Basantpur Pachmo Opencast Project is 1,162.87 ha, out of which 1,006.17 ha is Forest Land and the remaining 156.70 Ha is nonforest land.  The non-forest land is scattered throughout the Project Area. To ensure the safety and ease of operations, the	प्रयोक्ता अभिकरण का अनुपालन प्रतिवेदन अनु0—II संलग्न है। बोकारो जिला अन्तर्गत प्रस्तावित परियोजना में कुल वनभूमि—372.98 है। लालगढ़ ओ०सी०पी० एवं दनिया से केदला रेलवे लाईन से संबंधित

	SI. Observation of No. MOEF&CC	Compliance by CCL, KBP	DFO, Remm
	ha in Bokaro Forest Division, has been proposed for infrastructure while only 0.88 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	Handling Plant, Sub-Station, etc. are proposed on the leasehold area, adjoining to the area proposed to be used	कोई प्रस्ताव इस प्रमण नहीं है।
	non-forest land.	have been proposed in the adjoining mining area.  Copy of Plan is enclosed as Annexure II.	
b	A total forest land of 134.47 ha of forest land, comprising of 68.86 ha in Ramgarh Forest Division and 65.61 ha in Bokaro Forest Division, has been proposed for Green belt which is in addition to 10.58 ha of forest land earmarked for safety zone. Rationalisefor 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.	A Safety Zone of 7.5 m all around the leasehold area of the mine is proposed to be maintained as per the MOEF&CC guideline dated 04.07.2014. In addition, Green Belt is proposed to be developed adjoining Safety Zone within the leasehold area of the project as an additional measure to contain air pollution and to maintain ecological health of buffer zone. Further earmarking of green belt area has been necessitated by standard Terms of Reference 1(A) – 8, issued by the MOEF. The map showing the safety zone and green belt of the project area is shown in the Annexure II-A1. The area proposed for green belt is required for movement of Mining machinery during quarry operations and the felling of trees is required to facilitate the movement of equipment. Afforestation will be carried out in a phased manner in green belt area after completion of mining operations adjacent to these areas. Hence diversion of this forest land is also essential.	प्रयोक्ता अभिकरण का अनुपालन विचारणीय है। अनु0-II-A1 संलग है।
c.	No area has been earmarked for the storage of top soil.	It has been estimated that around 2.90 Mm³ topsoil will be generated throughout the life of mine. It has been proposed to store the topsoil in a designated site away from mining operations within the land proposed for diversion and use it for bio reclamation of degraded mine area. The same has been shown on the map enclosed. (Annexure-II A-2)  Top Soil Management Plan is enclosed as Annexure III.	प्रयोक्ता अभिकरण का अनुपालन प्रतिवेदन अनु0—II-A2 & III संलग्न है।

y,	ervation of	Compliance by CCL, KBP	DFO, Bokaro
	Separate cost	<u> 2018 - 프로젝트 프로젝트 - 프로</u> 스 이 전 10 10 12 12 12 12 12 12 12 12 12 12 12 12 12	Remarks
ą	benefit ratio has	Cost benefit ratio for the entire Project including	
•	been estimated for	1,006.17 ha of forest land and enclosed as Annexure-	प्रतिवेदन अनु0-IV संलग्न है।
7	633.19 ha and		
	372.98 ha of forest		
	land indicating the		
	cost benefit ratio of		
	19.31 and 1:26.73,		
16	respectively for a		
	single project.		
	Consolidated CB		
	ratio for the entire		
	forest land of		
	1006.17 involved		
	in the project needs		
	to be submitted by		d
	the State.		j.
i.	Nearest Railway	The Goal system to be a second of the second	
	Station Dania has	The Coal extrauted from the ansturat Project will be	रयोक्त अभिकरण का अनुपालन
	been reported to be	reushed (within the Project Area) and transported to nearby existing Keedla Washers and returnment	प्रतिवेदन अनु७ V संतरन है।
	located at a distance		
	of 4 km from the	Tapin Wasteryby Belt Conveyor! The Weatherd Coal willing the leaded into the willing the second coal willing.	
100	proposed area for	be loaded into the railway wagons via Rapid Loadings	
1	diversion. Details of	System and will be transported by Railways Line under	
	evacuation Plan	construction from Dania Station to Kedla Washery, and	
	from the mine head	the same have been shown in the Surface Plan.	
	to nearest railway	The relevant surface plan is attached as Annexure-V.	
	sidings may be		
1	informed by the		
	State.		
i	Diversion of nalla	The proposed course of diversion plan as well as KML	प्रयोक्ता अभिकरणा के अनुपालत
	has been proposed	file of seasonal stream is enclosed as Annexure VI	प्रतिवेदन अस्त न्या १६ ४ ६ १३ १
	in the proposal.	We would like to further mention that NOC for the	प्रतिवेदन अनु०- ४ ग्र. ४४-४ & ४४-३ संतलक है ५
	However, proposed	proposed nala diversions has been obtained from	44G를 6 년
	course for	Damodar Valley Corporation (DVC) (AnnexureeVI-A)	
	diversion,	as the project falls umber the Commandiance of DVC:	
	conspicuously	A detailed project report for the iproposed nalla	
	depicted on a map	diversions is being purpared by III Runkee Once the	
1	(KML file) has not	DPR has been prepared the same will be submitted to	
100	been submitted, the	State Water Resource Department for its approval. The	
	same needs to be	efficacy of the proposed Nala diversion will be	
	submitted. Further,	incorporated in the DFR. The cupy of work-order	
	comments of the	awarded to ITT Recadese is enclosed as Annexure VIB	
10	Department of		
100	Water Resources		
	on the efficacy of	and the state of the	
	proposed diversion		
-	of nallah by the		
	user agency needs		
	to be informed by		
	the State.		
	Forest area has	The gradient of the seams proposed to be extracted varies	प्रयोक्ता अभिकरण का अनुपालन
	been identified for	from 18 to 25 degrees. The Block is having difficult	प्रतिवेदन अनु0-VII-A1, & VII-A2
	OB: Non-forest	geological conditions associated with 15 numbers of fault	संलग्न है।
	area can also be	(copy of geological plan enclosed as Annexure VII A1	
U	ised for OB. In this	and section is enclosed as Annexure VII-A2).	
	context,	In order to ensure safety of mining operations, certain	
.11	ustification may be	quantity of OB during initial life of the mine is proposed	
	given for	to be dumped externally which will be flushed with	
	particularly	internal OB dump later on.	

( B, C

	vation of	Compliance by CCL, KBP	DFO, Bokaro Remarks
ascertain KML file dense f forest site requires	ned from e) of very orest as e-specific ment for ng OB. the pro the we comple railway of for manda	is no tenancy/non-forest land available adjacent to be update in any direction. There is Basantpur project on lest side, Lalgarh coal block on the east side, letter forest land on north side and washery & line on south side. Thus the proposed 313.50 Ha trest land for external dumping has become tory. The dense forest of 44 Ha is in isolated as and could not be avoided due to the above	

reasons.

अतः इस पत्र क्रे साथ अनुपालन प्रतिवेदन कुल-7 प्रतियों में संलग्न कर भेजते हुए अनुरोध है कि इस संबंध में अग्रेत्तर कार्रवाई करने की कृपा की जाय। अनु0-यथोक्त (कुल-7 प्रतियों में)।

16/1

वन प्रमण्डल प्रवाधि बोकारो वन प्रमण्डल,

\$ 30022