



कार्यालय : वन संरक्षक, प्रादेशिक अंचल, बोकारो ।



वन भवन, ब्लॉक-‘ए’ पुरूलिया रोड़, चास, बोकारो-827013
Email – cf-bokaro@gov.in, bokarocf@gmail.com, cfbokaro@rediffmail.com मो० - 8987790301

पत्रांक :, दिनांक :

सेवा में,

क्षेत्रीय मुख्य वन संरक्षक,
बोकारो।

विषय :- सेन्द्रल कोलफील्डस लिमिटेड की कोतरे बसन्तपुर पचमो कोल माईन्स परियोजना विस्तारीकरण हेतु बोकारो वन प्रमण्डल अन्तर्गत 372.98 हे० वनभूमि अपयोजन के प्रस्ताव के संबंध में।

प्रसंग :- 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।

महाशय,

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

Sl. No.	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 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 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.	प्रयोक्ता अभिकरण का अनुपालन प्रतिवेदन विचारणीय है।

No.	Observation of MOEF&CC	Compliance by CCL, KBP	Remarks of DFO Bokaro
		<p>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.</p> <p>However, we request the Ministry to merge both proposals and make a single proposal encompassing area of 1,006.17 Ha.</p>	
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)	<p>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.</p>	<p>वन प्रमण्डल पदाधिकारी, गिरिडीह 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 पदाधिकारी, गिरिडीह पूर्वी वन प्रमण्डल का ज्ञापांक-2582 दिनांक-27.07.2022 की छायाप्रति अनु0-I संलग्न है।</p>
(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.	<p>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.</p>	<p>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।</p>
(c)	The State Government may therefore confirm the suitability of such area for raising afforestation and their contiguity with the existing RF/PF.	<p>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.</p>	<p>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-I संलग्न है।</p>

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ii (d).	<p>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.</p>	<p>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</p> <ul style="list-style-type: none"> - 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). 	<p>प्रयोक्ता अभिकरण का अनुपालन प्रतिवेदन अनु०-IA एवं IB संलग्न है।</p>
iii	<p>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.</p>	<p>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 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.</p>	<p>प्रयोक्ता अभिकरण का अनुपालन प्रतिवेदन अनु०-IC, ID & IE संलग्न है।</p>
iv.	<p>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.</p>	<p>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 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.</p>	<p>प्रयोक्ता अभिकरण का अनुपालन प्रतिवेदन अनु०-A संलग्न है।</p>

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v.	For the purpose wise breakup of forest land		
a.	<p>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.</p> <p>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.</p>	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>Copy of Plan is enclosed as Annexure II.</p>	<p>प्रयोक्ता अभिकरण का अनुपालन प्रतिवेदन अनु०-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।</p>
b.	<p>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.</p> <p>Rationalise 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.</p>	<p>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.</p> <p>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.</p>	<p>प्रयोक्ता अभिकरण का अनुपालन विचारणीय है। अनु०-II-A1 संलग्न है।</p>

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c.	No area has been earmarked for the storage of top soil.	It has been estimated that around 2.90 Mm ³ 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.	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।

No.	Observation of MOEF&CC	Compliance by CCL, KBP	Remarks of DFO Bokaro
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.	<p>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).</p> <p>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.</p> <p>There is no tenancy/non-forest land available adjacent to the project in any direction. There is Basantpur project on the west side, Lalgah 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.</p>	प्रयोक्ता अभिकरण का अनुपालन प्रतिवेदन अनु०-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।

विश्वासभाजन

ह०/-

वन संरक्षक,

प्रादेशिक अंचल, बोकारो।

ज्ञापांक 670, दिनांक 27.08.2022

प्रतिलिपि :- वन प्रमण्डल पदाधिकारी, बोकारो वन प्रमण्डल को उनके प्रासंगिक पत्र के क्रम में सूचनार्थ प्रेषित।

वन संरक्षक,

प्रादेशिक अंचल, बोकारो।

Handwritten signature and date
27/08/2022