

**कार्यालय, प्रधान मुख्य वन संरक्षक-सह-कार्यकारी निदेशक,
बंजर भूमि विकास बोर्ड, झारखंड, राँची ।**

वन भवन, डोरण्डा, राँची, झारखंड, पिन-834002, Email-pccf-ednodal@gov.in

पत्रांक- 463

राँची, दिनांक- 06/6/2022

सेवा में,

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

विषय :- पचवाड़ा साउथ कोल ब्लॉक परियोजना हेतु दुमका वन प्रमण्डल अन्तर्गत 455.1108 हे० अधिसूचित वनभूमि अपयोजन प्रस्ताव के संबंध में।

प्रसंग :- 1. वन संरक्षक, प्रादेशिक अंचल, दुमका का पत्रांक 476 दिनांक 13.05.2022
2. इस कार्यालय के पत्रांक 417 दिनांक 23.05.2022, पत्रांक 431 दिनांक 27.05.2022 एवं ज्ञापांक 432 दिनांक 27.05.2022
3. क्षेत्रीय मुख्य वन संरक्षक, दुमका का पत्रांक 885 दिनांक 02.04.2022

महाशय,

उपर्युक्त विषयक संदर्भ में सूचित करना है कि पचवाड़ा साउथ कोल ब्लॉक परियोजना हेतु दुमका वन प्रमण्डल अन्तर्गत 455.1108 हे० अधिसूचित वनभूमि अपयोजन प्रस्ताव वन संरक्षक, प्रादेशिक अंचल, दुमका का पत्रांक 476 दिनांक 13.05.2022 (छायाप्रति संलग्न) द्वारा Online तथा उसकी Hard Copy छः प्रतियों में प्राप्त हुई है।

विषयगत वनभूमि अपयोजन प्रस्ताव की स्थिति निम्नवत है :-

- पूर्व में प्रयोक्ता अभिकरण द्वारा विषयगत वन भूमि अपयोजन हेतु 398.3243 हे० वनभूमि के अपयोजन का प्रस्ताव नोडल के कार्यालय में समर्पित किया था। इस परियोजना की कुल रकवा गैर वन भूमि सहित 714.8553 हे० है।
- वन प्रमंडल पदाधिकारी, दुमका वन प्रमण्डल को Online प्रस्ताव दिनांक-18.08.2021 को अग्रसारित किया गया। प्रस्ताव प्राप्त होने पर वन प्रमंडल पदाधिकारी, दुमका द्वारा जाँच के क्रम में पाया गया कि प्रस्तावित क्षेत्र में पड़ने वाले सभी तीन गाँव चीरुडीह, कुन्दापहाड़ी एवं महलडाबर Damin-I-Koh के अंतर्गत आता है, फलस्वरूप इन गाँवों में पड़ने वाले सभी Forest land & waste land को वनभूमि के श्रेणी में आने के कारण अधिसूचित/सीमांकित वनभूमि तथा Damin-I-Koh area (Notified under Section-4 of IFA) को जोड़ते हुए नोडल कार्यालय के पत्रांक-283 दिनांक-24.03.2022 के आलोक में संशोधित वनभूमि 455.1108 हे० का अपयोजन प्रस्ताव समर्पित किया गया है। इसमें अधिसूचित एवं सीमांकित वनभूमि का रकवा-324.0450 हे० तथा Damin-I-Koh area (Notified under Section-4 of IFA) का रकवा-131.06580 हे० है।
- व०प्र०पदा०, दुमका वन प्रमण्डल, दुमका द्वारा प्रस्ताव के स्थल निरीक्षण प्रतिवेदन में अधिसूचित वनभूमि एवं Damin-I-Koh Area (Notified under section-4 of Indian Forest Act'1927) भूमि



का विस्तृत विवरण निम्नवत् प्रतिवेदित है:-

Sl. No.	Village Name	Thana &	Thana No.	Plot No.	Area in (In Ha.)	Status of Land
1	2	3	4	5	6	7
1	Chirudih	Silngi	20	29,460,461,462,463, 464,507,510,638,639,640,641, 642,643,644,645,646, 663,678,679,735, 742, 748	107.7366	Forest Notified under Sec.-4 of Indian Forest Act, 1927
2	Kundapahari	Silngi	19	10,12,15,74,79,274,509,511,517, 518,641,642,644,647, 648, 653, ख/1/P Old RF, ख /11/P Old RF, ख /12/P Old RF	232.3204	
3	Mahuldabar	Silngi	18	4, 5, 6, 79, ख /10/P Old RF	115.0538	
Grand Total-					455.1108	

- वन प्रमंडल पदाधिकारी, दुमका वन प्रमण्डल द्वारा प्रस्ताव पर अनुशंसा निम्नांकित Plan की शर्त पर की गयी है :-

1. A comprehensive Bansloi Catchment Area Treatment Plan from the perspective of Water Security, Ecological Restoration, Post Reclamation, must be prepared and implemented to mitigate the adverse impacts of open cast mining.
2. Comprehensive Soil and Moisture Conservation Plan should be prepared and implemented treating the entire landscape to ensure that the detrimental impact of opencast coal mining on the adjacent vast expanse of forests shall be minimized.
3. efforts should be made to preserve the germplasm of the area by conducting proper biodiversity studies and ethnobotanical research before initiating mining activities
4. A comprehensive Integrated Wildlife Management Plan, to mitigate the conservation concerns due to the dissection of contiguous habitat patches is recommended.
5. a study concerning Wildlife Habitat Vulnerability & Ecological Habitat Restoration by the Wildlife Institute of India before the commencement of Open Cast Mining Operations
6. A livelihood security plan for the future of the indigenous community should also be prepared and adhered to.
7. Institutionalize a Concurrent Monitoring and Evaluation Cell with "Subject Matter Specialists / Technical Experts to monitor the implementation of the compensating mitigation measures.

- पचवाड़ा साउथ कोल ब्लॉक 455.1108 हे० वनभूमि अपयोजन प्रस्ताव को वन संरक्षक, प्रादेशिक अंचल, दुमका ने निम्नवत् विश्लेषण/टिप्पणी के साथ अग्रेत्तर कारवाई हेतु भेजी गयी है -

(I) पचुवाड़ा साउथ कोल ब्लॉक दुमका वन प्रमण्डल एवं पाकुड़ वन प्रमण्डल के सीमावर्ती क्षेत्र में है। पचुवाड़ा साउथ कोल ब्लॉक बासलोई नदी के दाहिने साइड है। बाँसलोई नदी के बाँए तरफ दो कोल ब्लॉक पचुवाड़ा नार्थ एवं पचुवाड़ा सेंट्रल पहले से कार्यरत है। उक्त क्षेत्र जैव विवधता की दृष्टि से काफी महत्वपूर्ण है एवं उक्त क्षेत्र में हाथी सहित अन्य वन्यप्राणी को आने-जाने की सूचना है।

अतः उक्त को देखते हुए एक comprehensive and strict Bio-diversity Conservation Plan की आवश्यकता होगी। जिसका क्रियान्वयन खनन कार्य शुरू होने के समय या उसक पूर्व किया जाना आवश्यक होगा, ताकि वन्य प्राणियों के पर्यावास एवं आवागमन के पथों के विनाश की भरपाई कुछ हद तक की जा सके।

(II) प्रस्तावित खनन लीज क्षेत्र बाँसलोई नदी के Catchment area का एक महत्वपूर्ण हिस्सा है, जहाँ पर घने वन में मौजूद विभिन्न नाला का पानी बहकर बाँसलोई नदी में आता है। अतः उक्त क्षेत्र में Integrated Catchment Area Treatment Plan को क्रियान्वित किया जाना अति आवश्यक होगा। उक्त के

अतिरिक्त यदि किसी अन्य Conservation Plan की आवश्यकता हो तो उक्त का भी क्रियान्वयन Project cost पर किया जाना होगा।

(III) भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय से प्राप्त होने वाले पर्यावरणीय स्वीकृति के शर्तों का अक्षरशः अनुपालन प्रयोक्ता अभिकरण को करना होगा।

• इस कार्यालय के पत्रांक 431 दिनांक 27.05.2022 द्वारा कतिपय बिन्दुओं पर की गयी पृच्छा साथ ही विषयगत प्रस्ताव पर दिनांक 27.05.2022 को हुई समीक्षा बैठक के आलोक में क्षेत्रीय मुख्य वन संरक्षक, दुमका के पत्रांक 885 दिनांक 02.06.2022 (छायाप्रति संलग्न) द्वारा निराकरण प्रतिवेदन प्राप्त हुआ है।

प्रतिवेदनानुसार प्रस्ताव के संबंध में वस्तुस्थिति निम्नवत् प्रतिवेदित है :-

1. अपयोजन हेतु प्रस्तावित वनभूमि का विवरण निम्नवत् है :-

प्रमण्डल का नाम	अधिसूचित एवं सीमांकित वन भूमि का रकबा (हे० में)	Damin-I-Koh Area (Notified under section-4 of IFA)	कुल रकबा (हे० में)	गैर वनभूमि (हे० में)	वनस्पति घनत्व
दुमका वन प्रमण्डल	324.045	131.0658	455.1108	259.74	0.7

- विषयगत परियोजना में प्रभावित भूमि से संबंधित Authenticated Land Schedule प्रस्ताव के साथ संलग्न है।
- विषयगत परियोजना में FRA/अनापति प्रमाण पत्र हेतु प्रयोक्ता अभिकरण द्वारा समर्पित वचनबद्धता प्रमाण पत्र प्रस्ताव के साथ संलग्न है।
- प्रयोक्ता अभिकरण द्वारा प्रस्ताव विहित प्रपत्र Form-A (Part-I) समर्पित किया गया है तथा उसमें अभियुक्ति दर्ज है।
- प्रस्ताव समर्पित करने हेतु प्रयोक्ता अभिकरण द्वारा निर्गत प्राधिकृत पत्र संलग्न है।
- प्रयोक्ता अभिकरण द्वारा प्रतिवेदित किया गया है कि पर्यावरणीय स्वीकृति अभी प्रक्रियाधीन है। Copy of Term of Reference (ToR) by MoEF&CC का पत्रांक- No. IA-J-11015/18/2020-IA-II (M) दिनांक 05.11.2020 की प्रति संलग्न है।
- प्रस्ताव के साथ Land Use Plan संलग्न है।
- अपयोजित होने वाले वनभूमि के विरुद्ध क्षतिपूरक वनरोपण हेतु नियमानुसार मांगी गई मद की राशि जमा करने से संबंधित प्रयोक्ता अभिकरण द्वारा दिया गया वचनबद्धता प्रमाण-पत्र (Undertaking) ऑनलाईन पार्ट-1 के Additional Information में अपलोड किया जा चुका है, जिसकी प्रति प्रस्ताव के साथ संलग्न है।
- अपयोजित होने वाले वनभूमि के विरुद्ध एन०पी०भी० हेतु नियमानुसार मांगी गई मद की राशि जमा करने से संबंधित प्रयोक्ता अभिकरण द्वारा दिया गया वचनबद्धता प्रमाण-पत्र (Undertaking) ऑनलाईन पार्ट-1 के Additional Information में अपलोड किया जा चुका है, जिसकी प्रति प्रस्ताव के साथ संलग्न है।
- परियोजना में अपयोजित होने वाले वनभूमि को कैडेस्ट्रल मैप प्रस्ताव के साथ संलग्न है।
- प्रस्ताव के साथ अपयोजित होने वाले वनभूमि को Toposheet पर दर्शाते हुए संलग्न है।
- प्रस्ताव के साथ अपयोजित होने वाले वनभूमि का Geo-referenced boundary map (in shape file) की प्रति संलग्न है।

13. प्रस्ताव के साथ Cost Benefit Analysis संलग्न है।
14. प्रस्ताव के साथ क्षतिपूरक वनरोपण हेतु प्रस्तावित वनभूमि के दोगुणा कुल 910.23 हे० Degraded Forest land का चयन तीन प्रमंडलों यथा— दुमका, देवघर एवं साहेबगंज में किया गया है। प्रस्तावित वनभूमि का नक्शा, टोपोशीट मैप, Geo reference map, वन प्रमण्डल पदाधिकारी का उपयुक्तता प्रमाण पत्र एवं स्थल विशिष्ट योजना प्राक्कलन संलग्न है।
15. परियोजना में पातित होने वाले वृक्षों की कुल संख्या 91,464 प्रतिवेदित है। प्रजातिवार वृक्षों की गणना सूची Online Part-II तथा CD में संलग्न है।
16. प्रस्ताव के साथ वन प्रमण्डल पदाधिकारी, दुमका वन प्रमण्डल का Recommendation की प्रति संलग्न है।
17. प्रस्ताव के साथ वन प्रमण्डल पदाधिकारी, दुमका वन प्रमण्डल का स्थलीय निरीक्षण प्रतिवेदन संलग्न है।
18. प्रस्ताव के साथ वन प्रमण्डल पदाधिकारी, दुमका वन प्रमण्डल का पार्ट-2 की प्रति संलग्न है।
19. वन प्रमण्डल पदाधिकारी, दुमका वन प्रमण्डल का संशोधित मैनुअल पार्ट-2 की प्रति ऑनलाईन timeline के essential details sought history में अपलोड की गई है जिसकी प्रति प्रस्ताव के साथ संलग्न है।
20. प्रस्ताव के साथ वन संरक्षक, प्रादेशिक अंचल, दुमका का स्थलीय निरीक्षण प्रतिवेदन, अनुशंसा एवं भरा हुआ मंतव्य Part-III की प्रति संलग्न है।
21. प्रस्ताव में CWLW का मंतव्य अपेक्षित है। इस हेतु उनसे अनुरोध किया जा रहा है, जिसे प्राप्त होने पर अलग से भेज दिया जायेगा।
22. अधोहस्ताक्षरी का मंतव्य Part-IV संलग्न है।

उपरोक्त तथ्यों के आलोक में क्षेत्रीय पदाधिकारियों द्वारा कुल 455.1108 हे० वनभूमि अपयोजन हेतु सशर्त अनुशंसा की गई है। अधोहस्ताक्षरी द्वारा उनके मंतव्य से सहमत होते हुए निम्नांकित शर्तों के अधीन वनभूमि अपयोजन प्रस्ताव हेतु अनुशंसा की जाती है :-

1. Legal status of the forest land shall remain unchanged.
2. Compensatory afforestation shall be taken up by the Forest Department over 910.23 ha degraded forest land at the cost of the user Agency. As far as practicable a mixture of local native species will be planted and monoculture has to be avoided.
3. Net present value (NPV) to be paid at present rates.
4. All the funds received from the user agency under the project shall be transferred / deposited to CAMPA fund only through e- portal ([https:// parivesh.nic. in/](https://parivesh.nic.in/))
5. User agency shall restrict the felling of trees to minimum number in the diverted forest land and the trees shall be felled under the strict supervision of the state forest Department and the cost of felling of trees shall be deposited by the User Agency with the State Forest Department.
6. Whenever possible and technically feasible, the User Agency shall undertake afforestation measures by involving local community in the blanks within the project area, as well as along the roads outside the project area in consultation with the State Forest Department at project cost.



7. The User Agency either itself or through the State forest department shall undertake fencing, protection and afforestation with native species of the Safety zone area (7.5 meter strip shall be kept within the project area at the project cost.
8. No labour camp shall be established on the forest land.
9. Project Proponent to ensure that no damage to the flora & fauna of the adjoining area shall be caused.
10. Development of in-house capacity for sustaining the eco- restoration activities with qualitative assurance over the entire project period
11. The period of diversion under this approval shall be thirty (30) years.
12. The forest land proposed to be diverted shall under no circumstances be transferred to any other agencies, department or person without prior approval of the Central Government.
13. A site specific Wildlife Management Plan of a radius of 10 km from the proposed lease area of shall be prepared and the cost shall be borne by the User Agency. Besides that migration path for elephant passage if present beyond 10 km then such migration route shall be developed with plantation of suitable species and the cost shall be borne by User Agency.
14. As large forest is involved for diversion hence periodic evaluation of the project and its impact has to be carried out at regular interval. User Agency shall prepare Digital Evaluation Module (DEM) of 10 km radius area using LIDAR technology before commencement of mining operation & shall be repeated on 3rd, 5th, 10th, 15th, 20th, 25th & 30th year. Term of reference shall be approved by PCCF & ED cum Nodal Officer in consultation with PCCF(HoFF). On the basis of DEM user agency shall prepare Catchment area treatment Plan of 10 km radius area including drainage of Chutua Nala and other nearby Nalas as recommended by field officials and shall also prepare Soil Moisture Conservation Plan. These plans shall be approved by PCCF (HoFF) and shall be implemented by Forest Department at project cost. During periodic evaluation, if some changes are required then those changes shall be incorporated in these plans with the approval of PCCF(HoFF) and shall be implemented at project cost. A special team comprising of officials of NUPPL, subject matter specialists, and forest officials may be constituted to study and monitor soil erosion, water conservation, ecological restoration activities during implementation of the project. Team shall be finalized by PCCF(HoFF).
15. A water security plan to be prepared by a group of experts and adhered to
16. The User Agency should take effective measures to improve the eco-restoration activities over the OB dumps and the reclaimed mined over areas, in terms of the following so as to ensure the best feasible restoration of the lands on path of natural recovery and their eventual development as pockets of relatively enriched floral diversity :-
 - a. Top soil shall be stored separately and to be reserved by laying Geo-textile and plantation of soil binding species grasses. The plan shall be prepared and implemented at project cost and shall be finalized and approved by the competent authority.

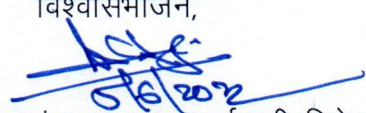
- b. Stabilize the over burden dumps by appropriate grading/benching so as to ensure that angles of repose at any given place is less than 28°, and Over burden dumps are stabilized by laying Geo-textile, planting of grasses and later on planting of native tree species.
17. Forest Department shall prepare a surveillance and monitoring plan to ensure that the large scale translocation of families from the area shall not get shifted to the adjoining forest land after their reallocation. Surveillance and Monitoring system for the forest hinterlands of the project area to be planned and executed at the project cost with provisions of patrolling manpower, building infrastructure (watch tower, check post etc), forest road access and vehicular resources as necessary. The plan shall be finalised and approved by competent authority.
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19. User Agency shall prepare a detailed Catchment Area Treatment Plan and a Soil and Moisture Conservation Plan on the basis of DEM and following activities shall be undertaken by the User Agency at the project cost:
- a. Preparation and implementation of a plan containing appropriate mitigative measures to minimize soil erosion and choking of streams. The plan shall be finalised and approved by competent authority.
 - b. Planting of adequate drought hardy plant species and sowing of seeds in the appropriate area within the mining lease to arrest soil erosion;
 - c. Construction of check dams, retention /toe walls along the contour to arrest sliding down of the excavated material;
20. User Agency shall bear the cost of any additional plan proposed by Government of Jharkhand, Government of India or any other statutory authority.
21. Any other condition that the State Government, Department of Forest, Environment and Climate Change and Ministry of Environment, Forest & Climate change may stipulate from time to time in the interest of conservation, protection and development of forest & wildlife.

मूल प्रस्ताव की तीन प्रतियाँ अग्रतर कार्रवाई हेतु इस पत्र के साथ संलग्न भेजी जा रही है।
संचिका में प्रधान मुख्य वन संरक्षक, झारखण्ड का अनुमोदन प्राप्त है।

अनु०:-यथोक्त।

(मूल प्रस्ताव की तीन प्रतियाँ)

विश्वासभाजन,


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


3-6

PART -IV

(To be filled in by the Nodal officers or Principal Chief Conservator of Forest or Head of Forest Department)

Pachwara South Coal Mining Project 455.1108 ha

17. Detailed opinion and specific recommendation of the State Forest Department for acceptance of otherwise of the proposal with remarks)

(While giving opinion, the adverse comments made by concerned Conservator of Forest or Deputy Conservator of Forests should be categorically reviewed critically commented upon) :-

1. User Agency submitted Forest land diversion proposal for 398.3243 ha. total area of the project is 714.8553 ha.
2. After verification in the field DFO, Dumka reported that in the village chirudih, Kunda Pahari and Mahulbadar 131.0658 ha land is notified under section-4 of Indian Forest Act, 1927 and Govt. waste land know as Damin-a-koh falls with in the project area therefore total Forest area to be diverted under Forest conservation Act, 1980 comes out to be 455.1108 ha. Details are as under :

Sl. No.	Village Name	Thana &	Thana No.	Plot No.	Area in (In Ha.)	Status of Land
1	2	3	4	5	6	7
1	Chirudih	Silngi	20	29,460,461,462,463, 464,507,510,638,640,641, 642,643,644,645,646, 663,678,679,735, 742, 748	107.7366	Forest Notified under Sec.-4 of Indian Forest Act,1927
2	Kundapahari	Silngi	19	10,12,15,74,79,274,509,511,517, 518,641,642,644,647, 648, 653, ख/1/P Old RF, ख /11/P Old RF, ख /12/P Old RF	232.3204	
3	Mahuldabar	Silngi	18	4, 5, 6, 79, ख /10/P Old RF	115.0538	
Grand Total-					455.1108	

3. DFO Dumka has recommended diversion of 455.1108 ha Forest land with following conditions :
 - i. A comprehensive Bansloi Catchment Area Treatment Plan from the perspective of Water Security, Ecological Restoration, Post Reclamation, must be prepared and implemented to mitigate the adverse impacts of open cast mining.
 - ii. Comprehensive Soil and Moisture Conservation Plan should be prepared and implemented treating the entire landscape to ensure that the detrimental impact of opencast coal mining on the adjacent vast expanse of forests shall be minimized.
 - iii. efforts should be made to preserve the germplasm of the area by conducting proper biodiversity studies and ethnobotanical research before initiating mining activities
 - iv. A comprehensive Integrated Wildlife Management Plan, to mitigate the conservation concerns due to the dissection of contiguous habitat patches is recommended.

- v. a study concerning Wildlife Habitat Vulnerability & Ecological Habitat Restoration by the Wildlife Institute of India before the commencement of Open Cast Mining Operations
- vi. A livelihood security plan for the future of the indigenous community should also be prepared and adhered to.
- vii. Institutionalize a Concurrent Monitoring and Evaluation Cell with "Subject Matter Specialists / Technical Experts to monitor the implementation of the compensating mitigation measures.

4. Conservator of Forest Dumka recommended the diversion with following conditions :

- (I) पचुवाड़ा साउथ कोल ब्लॉक दुमका वन प्रमण्डल एवं पाकुड़ वन प्रमण्डल के सीमावर्ती क्षेत्र में है। पचुवाड़ा साउथ कोल ब्लॉक बासलोई नदी के दाहिने साइड है। बाँसलोई नदी के बाँए तरफ दो कोल ब्लॉक पचुवाड़ा नार्थ एवं पचुवाड़ा सेन्ट्रल पहले से कार्यरत है। उक्त क्षेत्र जैव विवधता की दृष्टि से काफी महत्वपूर्ण है एवं उक्त क्षेत्र में हाथी सहित अन्य वन्यप्राणी को आने-जाने की सूचना है।

अतः उक्त को देखते हुए एक comprehensive and strict Bio-diversity Conservation Plan की आवश्यकता होगी। जिसका क्रियान्वयन खनन कार्य शुरू होने के समय या उसक पूर्व किया जाना आवश्यक होगा, ताकि वन्य प्राणियों के पर्यावास एवं आवागमन के पथों के विनाश की भरपाई कुछ हद तक की जा सके।

- (II) प्रस्तावित खनन लीज क्षेत्र बाँसलोई नदी के Catchment area का एक महत्वपूर्ण हिस्सा है, जहाँ पर घने वन में मौजूद विभिन्न नाला का पानी बहकर बाँसलोई नदी में आता है। अतः उक्त क्षेत्र में Integrated Catchment Area Treatment Plan को क्रियान्वित किया जाना अति आवश्यक होगा। उक्त के अतिरिक्त यदि किसी अन्य Conservation Plan की आवश्यकता हो तो उक्त का भी क्रियान्वयन Project cost पर किया जाना होगा।

- (III) भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय से प्राप्त होने वाले पर्यावरणीय स्वीकृति के शर्तों का अक्षरशः अनुपालन प्रयोक्ता अभिकरण को करना होगा।

5. Because of different recommendations a joint meeting of DFO Dumka, CF Dumka, User Agency was held on 27.05.2022 and following decisions were taken :

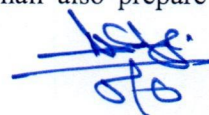
- i. Term of Reference regarding Comprehensive Integrated Wildlife Management Plan was deliberated upon. It was agreed upon that instead of IWMP, a site specific Wildlife Management Plan of a radius of 10 km from the proposed lease area of shall be prepared and the cost shall be borne by the User Agency. Besides that migration path for elephant passage if present beyond 10 km then such migration route shall be developed with plantation of suitable species and the cost shall be borne by User Agency.
- ii. As large forest is involved for diversion hence periodic evaluation of the project and its impact has to be carried out at regular interval. User Agency shall prepare Digital Evaluation Module (DEM) of 10 km radius area using LIDAR technology before commencement of mining operation & shall be repeated on 3rd, 5th, 10th, 15th, 20th, 25th & 30th year. Term of reference shall be approved by PCCF & ED cum Nodal Officer in consultation with PCCF (HoFF). On the basis of DEM user agency shall prepare Catchment area treatment Plan of 10 km radius area including drainage of Chutua Nala and other nearby Nalas as recommended by field officials and shall also prepare Soil Moisture Conservation Plan. These plans shall be approved by PCCF (HoFF) and shall be

implemented by Forest Department at project cost. During periodic evaluation, if some changes are required then those changes shall be incorporated in these plans with the approval of PCCF(HoFF) and shall be implemented at project cost. A special team comprising of officials of NUPPL, subject matter specialists, and forest officials may be constituted to study and monitor soil erosion, water conservation, ecological restoration activities during implementation of the project. Team shall be finalized by PCCF(HoFF).

- iii. A water security plan to be prepared by a group of experts and adhered to
- iv. The User Agency should take effective measures to improve the eco-restoration activities over the OB dumps and the reclaimed mined over areas, in terms of the following so as to ensure the best feasible restoration of the lands on path of natural recovery and their eventual development as pockets of relatively enriched floral diversity :-
 - a. Top soil shall be stored separately and to be reserved by laying Geo-textile and plantation of soil binding species grasses. The plan shall be prepared and implemented at project cost and shall be finalized and approved by the competent authority.
 - b. Stabilize the over burden dumps by appropriate grading/benching so as to ensure that angles of repose at any given place is less than 28° , and Over burden dumps are stabilized by laying Geo-textile, planting of grasses and later on planting of native tree species.
- v. Forest Department shall prepare a surveillance and monitoring plan to ensure that the large scale translocation of families from the area shall not get shifted to the adjoining forest land after their reallocation. Surveillance and Monitoring system for the forest hinterlands of the project area to be planned and executed at the project cost with provisions of patrolling manpower, building infrastructure (watch tower, check post etc), forest road access and vehicular resources as necessary. The plan shall be finalised and approved by competent authority.
- vi. Drainage and silt deposit study of entire mining lease is to be conducted with the help of CWPRS, Pune periodically by User agency and remedial action to be taken at project cost. Report is to be submitted regularly to the Forest Department.
- vii. User Agency shall prepare a detailed Catchment Area Treatment Plan and a Soil and Moisture Conservation Plan on the basis of DEM and following activities shall be undertaken by the User Agency at the project cost:
 - a) Preparation and implementation of a plan containing appropriate mitigative measures to minimize soil erosion and choking of streams. The plan shall be finalised and approved by competent authority.
 - b) Planting of adequate drought hardy plant species and sowing of seeds in the appropriate area within the mining lease to arrest soil erosion;
 - c) Construction of check dams, retention /toe walls along the contour to arrest sliding down of the excavated material;



- viii. User Agency shall bear the cost of any additional plan proposed by Government of Jharkhand, Government of India or any other statutory authority.
6. Based on the recommendations of field officials diversion of 455.1108 ha of **forest area is recommended under the provisions of Forest (Conservation) Act 1980 Rules/Guidelines because this coal block has good reserves of economically high grade coal with following conditions :-**
1. Legal status of the forest land shall remain unchanged.
 2. Compensatory afforestation shall be taken up by the Forest Department over 910.23 ha degraded forest land at the cost of the user Agency. As far as practicable a mixture of local native species will be planted and monoculture has to be avoided.
 3. Net present value (NPV) to be paid at present rates.
 4. All the funds received from the user agency under the project shall be transferred / deposited to CAMPA fund only through e- portal ([https:// parivesh.nic. in/](https://parivesh.nic.in/))
 5. User agency shall restrict the felling of trees to minimum number in the diverted forest land and the trees shall be felled under the strict supervision of the state forest Department and the cost of felling of trees shall be deposited by the User Agency with the State Forest Department.
 6. Whenever possible and technically feasible, the User Agency shall undertake afforestation measures by involving local community in the blanks within the project area, as well as along the roads outside the project area in consultation with the State Forest Department at project cost.
 7. The User Agency either itself or through the State forest department shall undertake fencing, protection and afforestation with native species of the Safety zone area (7.5 meter strip shall be kept within the project area at the project cost.
 8. No labour camp shall be established on the forest land.
 9. Project Proponent to ensure that no damage to the flora & fauna of the adjoining area shall be caused.
 10. Development of in-house capacity for sustaining the eco- restoration activities with qualitative assurance over the entire project period
 11. The period of diversion under this approval shall be thirty (30) years.
 12. The forest land proposed to be diverted shall under no circumstances be transferred to any other agencies, department or person without prior approval of the Central Government.
 13. A site specific Wildlife Management Plan of a radius of 10 km from the proposed lease area of shall be prepared and the cost shall be borne by the User Agency. Besides that migration path for elephant passage if present beyond 10 km then such migration route shall be developed with plantation of suitable species and the cost shall be borne by User Agency.
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21. Any other condition that the State Government, Department of Forest, Environment and Climate Change and Ministry of Environment, Forest & Climate change may stipulate from time to time in the interest of conservation, protection and development of forest & wildlife.

Date :- 03.06.2022

Place :- Ranchi

Signature



(AJAY KUMAR RASTOGI)

Nodal Officer

Name & Designation

(Official Seal)

Principal Chief Conservator of Forests
Cum-Executive Director
Waste Land Development Board
Jharkhand, Ranchi.