

कार्यालय प्रधान मुख्य वन संरक्षक (कक्ष भू-प्रबंध), सतपुड़ा भवन, मध्यप्रदेश, भोपाल

क्रमांक/एफ-1/FP/MP/MIN/26356/2017/ 3518

भोपाल, दिनांक 02/08/2023

प्रति,

✓ वन महानिरीक्षक (एफ.सी.)

भारत सरकार, पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय
इंदिरा पर्यावरण भवन, अलीगंज, जोरबाग रोड़,
नई दिल्ली-110003

विषय:- वन मंडल, पश्चिम छिन्दवाड़ा के परिक्षेत्र जामई के ग्राम जुन्नादेव विशाला के कक्ष क्र. 454 के रकबा 14.000 हे. वनभूमि भारत खुली खदान फेस-2 कोयला उत्खनन हेतु वेस्टर्न कोलफील्ड्स लिमिटेड का व्यपवर्तन का आनलाईन प्रस्ताव क्र. FP/MP/MIN/26356/2017

संदर्भ:- भारत सरकार, पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय, नई दिल्ली का पत्र क्र./ 8-112/2006-FC Vol. दिनांक 24/04/2023

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विषयांकित परियोजना के संबंध में आपके द्वारा संदर्भित पत्र क्र./8-112/2006-FC Vol. दिनांक 24/04/2023 से 02 बिन्दुओं पर जानकारी चाही गई है। आपके द्वारा चाही गई 02 बिन्दुओं की जानकारी आवेदक संस्था वेस्टर्न कोलफील्ड्स लिमिटेड, कन्हान क्षेत्र, पोस्ट डुंगरिया, छिन्दवाड़ा, म.प्र. द्वारा पत्र क्रमांक/1484 दिनांक 21/06/2023 से प्रस्तुत की गई है जो आगामी कार्यवाही हेतु संलग्न प्रेषित है।

संलग्न:- उपरोक्तानुसार।



(सुनील अग्रवाल)

प्रधान मुख्य वन संरक्षक (भू-प्रबंध)
मध्यप्रदेश, भोपाल

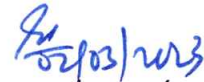
पृ. क्रमांक/एफ-1/FP/MP/MIN/26356/2017/ 3519

भोपाल, दिनांक 02/08/2023

प्रतिलिपि:-

- 1 मुख्य वन संरक्षक, छिन्दवाड़ा वृत्त, छिन्दवाड़ा, मध्यप्रदेश
- 2 वन मण्डल अधिकारी, सामान्य वन मण्डल, पश्चिम छिन्दवाड़ा मध्य प्रदेश
- 3 महाप्रबंधक, वेस्टर्न कोलफील्ड्स लिमिटेड, पोस्ट डुंगरिया तहसील जामई जिला-छिन्दवाड़ा मध्य प्रदेश।

की ओर सूचनार्थ अग्रेषित।



प्रधान मुख्य वन संरक्षक (भू-प्रबंध)
मध्यप्रदेश, भोपाल



वेस्टर्नकोल फील्ड्स लिमिटेड/Western Coalfields Limited

मिनिरात कम्पनी(A Miniratna Company)

कोल इंडिया लिमिटेड की अनुषंगी कम्पनी(A Subsidiary of Coal India Limited)

CIN-U10100MH1975GOI018626

क्षेत्रीय महाप्रबन्धक का कार्यालय, कन्हान क्षेत्र

पता: वे.को.लि., कन्हान क्षेत्र, पो: दुंगारिया, जिला: छिन्दवाड़ा, मध्य प्रदेश, पिन:480553

Email: agmkanhan@westerncoal.gov.in

Office of Area General Manager, Kanhan Area

Address: WCL, KanhanArea, PO: Dungaria, Dist: Chhindwara, MP, PIN:480553

Fax:07160-230520, Phone: 07160-231245



संदर्भसं:वेकोलि/कन्हान/क्षे.म.प्र./योजना/2023/1484

दिनांक :-21/06/2023

प्रति,

प्रधान मुख्य वन संरक्षक (भू-प्रबंध) एवं

नोडल अधिकारी-वन (संरक्षण) अधिनियम 1980

सतपुरा भवन, भोपाल, मध्यप्रदेश।

विषय :-वनमंडल पश्चिम छिन्दवाड़ा के परिक्षेत्र जामई के PF-454 के रकबा 14.000 हे० वनभूमि में भारत खुली खदान फेस- 2 कोयला उत्खनन् हेतु-मेसर्स वेस्टर्न कोलफील्ड्स लिमिटेड को उपयोग पर देने बावत्।

संदर्भ :-File No. 8-112/2006-FCVol Dtd 24 April/2023 of MOEF&CC, New Delhi.
महोदय,

उपरोक्त संदर्भित पत्र द्वारा चाही गई 2 बिन्दुओ की जानकारी निम्नानुसार है :-

क्र०	चाही गयी जानकारी	जानकारी
1	<p>Upon examination of the KML file through GIS-DSS tool, it was found that the boundaries of Mine Lease Area, 68.704 ha & 19.50 ha already diverted forest area have been changed again. Owing to this changes, this Ministry's vide its letter of even no. dated 16.08.2022 requested the State Govt. to upload the complete KML of instant project on PARIVESH on the basis of ground truthing. Thereafter the Govt. of Madhya Pradesh vide their letter No. F-1/FP/MP/MIN/26356/2017/3935 Dated 22.11.2022 informed about uploading of the complete KML file. On examination of same the DSS analysis revealed that the total forest area within lease is found to be 145.427 ha instead of 152.728 ha as per proposal on PARIVESH.</p> <p>Accordingly, this Ministry vide letter dated 19.12.2022 requested again to upload the complete KML file as per proposal. After that the State Government vide letter No F-1/FP/MP/MIN/26356/2017/343 Dated</p>	<p>In respect of forest land involved in the mining lease it is once again submitted that the total forest area within the mining lease of Ghorawari Sub-Area under MCR Lease No. 11 is 145.69 Ha.</p> <p>A snapshot of Google Earth showing forest area as 145.69 Ha was already shared in our previous reply dtd. 18.03.2023 (copy of the snapshot is enclosed for ready reference as Annexure-I).</p> <p>The snapshot of report generated on "Online Proposal Details On GIS" tab of Parivesh Portal of MoEF&CC showing forest area as 145.69 Ha (in round figure 145.7 Ha as shown in snapshot) is also enclosed for ready reference as Annexure-II.</p> <p>As such, the forest area marked in the kml file uploaded in the portal shows 145.69 Ha in Google Earth as well as Parivesh Portal GIS Tab.</p> <p>It may please be appreciated that the said forest area (including 19.50 Ha – diverted for Opencast mining, 68.704 Ha – diverted for Underground</p>

25.01.2023 informed that the total forest area within lease is 145.690 ha instead of 145.427 ha and further reported that user agency has performed necessary correction in the forest area mentioned in online Part-I form on PARIVESH. The State Govt. again reiterated above said facts in their letter dated 29.03.2023. Keeping in view of the above mentioned facts, the Mining lease boundary has been examined by the DSS Cell of this Ministry wherein it has been reported that the total 150.453 ha forest area is coming under Mining Lease boundary. It is further reported that the above said analysis has been carried out on the basis of the Forest compartment boundary available on the State Forest website. In this regard, the State Government is requested to examine the extent of forest land within mining lease and do the necessary correction.

mining & 14 Ha forest land proposed for diversion in subject FC application) has been delineated several times as per the directives of MoEF&CC issued time to time, through ground survey done by the officials of Chhindwara Forest Dept. as well as WCL-Kanhan Area.

It is also to submit that this matter has been duly clarified by the MP State Govt. in its letter dtd. 29-03-2023 (copy enclosed as **Annexure-III**) wherein it has been stated that as per the kml file uploaded in the portal, the forest land is 145.690 Ha and the same has been cross-checked in the O/o PCCF & Nodal Officer-FC, GoMP Bhopal.

Hence, MP State Govt. has also confirmed that the total forest area marked in kml file which is uploaded on Parivesh Portal is 145.69 Ha.

As such, in view of the above, it is to humbly submit that utmost care has been taken while preparing the kml file for subject application and the total forest area within the mining lease of Ghorawari Sub-Area under MCR Lease No. 11 is 145.69 Ha.

2-

It was reported that 14 ha forest land is required due to change in technology and extraction of substantial coal which is locked up in protective barrier within 68.704 ha diverted forest land for underground mining. Accordingly, State Govt was asked that nothing in this regard was reflected in the Mining plan. Moreover, vital project components like safety zone, external dump, infrastructure, approach road etc. should be reflected in the Mining plan and may be intimated by the State Government. However, the reply submitted by the State Govt does not mention anything about the Mining Plan in this regard.

A Plan of Bharat OC Patch Phase-II showing vital project components like safety zone, surface infrastructure, approach road etc. was already shared in our previous reply dtd. 18.03.2023. A copy of the same is enclosed as **Annexure-IV** for ready reference. It is also to submit that there will be no External Dump in Bharat OC Patch Phase-II.

In this regard it is humbly submitted that the Environmental Clearance was awarded to Ghorawari Opencast Project by MoEF & CC vide its letter dt: 26.12.2008. A copy of the same is enclosed herewith as **Annexure-V**.

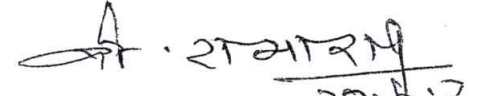
It may be seen from the aforesaid letter that the Ghorawari Opencast Project has already been proposed to be worked by opencast method in Patches. The proposed working of different patches has also been recorded in the said EC letter. The Actual working may vary depending on the actual acquisition of land. The EC has also recorded that these patches will work old UG working. All these facts have been duly documented in the EIA/EMP of the Project submitted to MoEF based on which the EC was accorded (*Page No-4(a)*). A copy of the EIA/EMP document is attached herewith as **Annexure-VI** for ready reference.

In this context, a copy of the reply subsequent to the telephonic query from MoEF&CC is also attached as **Annexure-VII** and it may be worthwhile to mention here that based on the reply only EC was accorded by MoEF& CC with due according of the patch-wise working in the Project under consideration. Subsequently, Stage-II FC for Phase-I of OC Patches i.e. 19.50 Ha for Ghorawari OC Patch was accorded by MoEF&CC on 17.01.2015 (copy enclosed as **Annexure-VIII**).

In view of the above, it is again submitted that all the supporting documents related to Mine Planning & Phasing are already shared with MoEF&CC based on which Environmental Clearance and Forestry Clearance (for Phase-I-19.50 Ha) was accorded by MoEF&CC.

उपरोक्त जानकारी आपके आवश्यक कार्यवाही हेतु सादर प्रेषित।

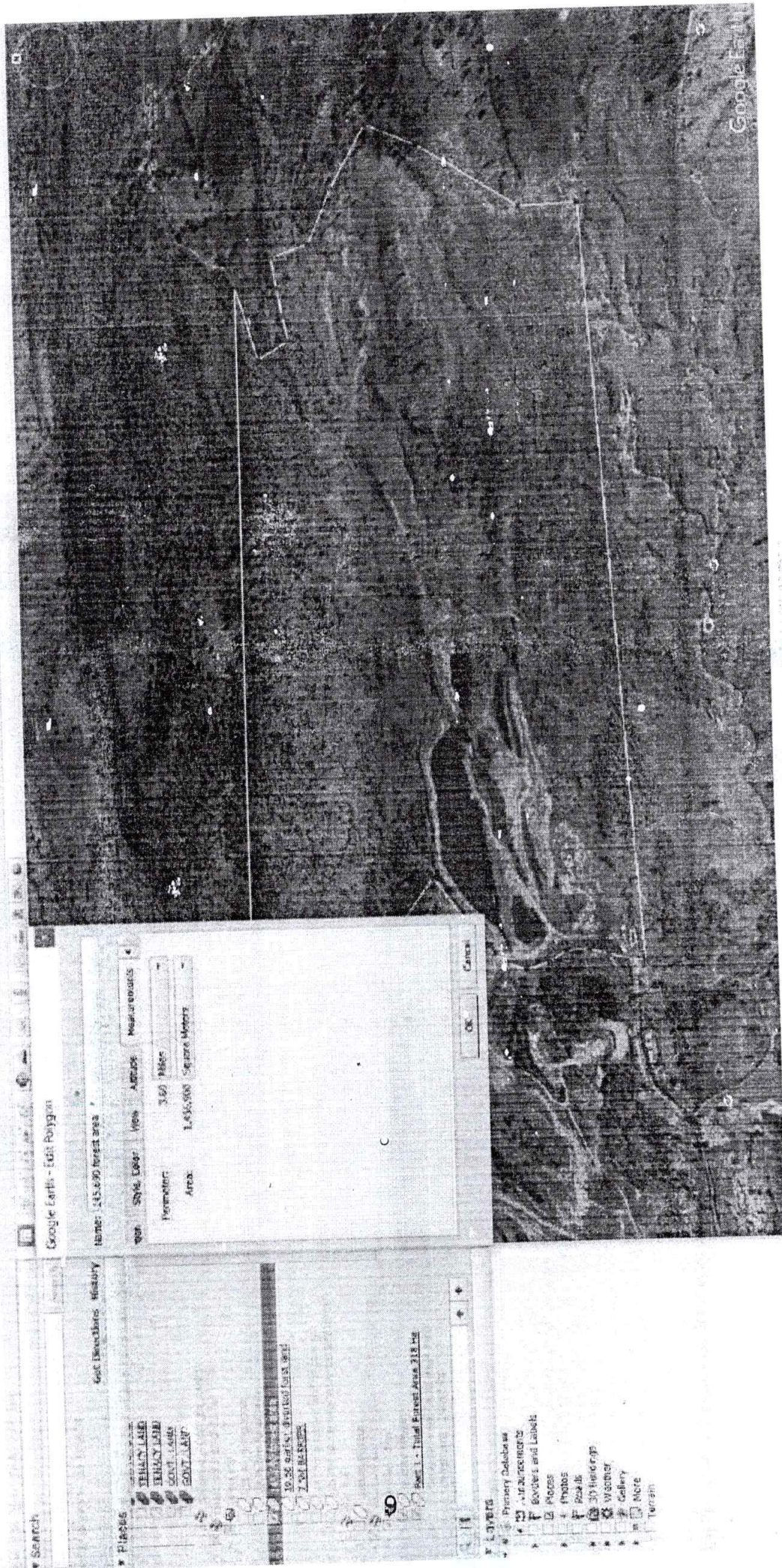
संलग्न : उपरोक्तानुसार


क्षेत्रीय महाप्रबंधक 20.6.12
कन्हान क्षेत्र

प्रतिलिपि :-

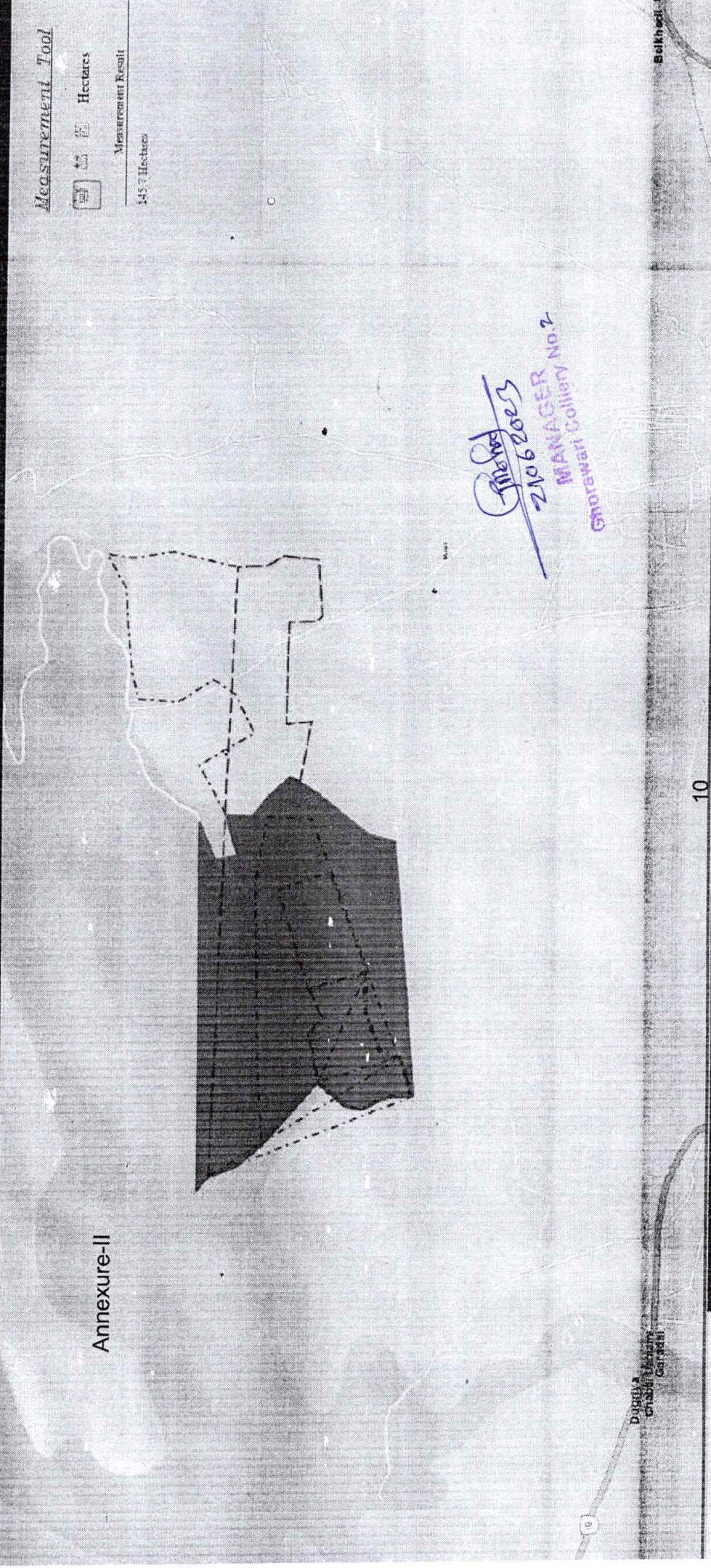
01. मुख्य वनसंरक्षक, छिन्दवाड़ावृत्त, छिन्दवाड़ा मध्यप्रदेश।
02. वनमण्डलाधिकारी, (सामान्य) पश्चिम, मण्डल जिला छिन्दवाड़ा।
03. महाप्रबंधक (पर्यावरण), वे०को०लि० मुख्यालय नागपूर।
04. महाप्रबंधक (भू० एवं रा०), वे०को०लि० मुख्यालय नागपूर।
05. उपक्षेत्रीय प्रबंधक, घोड़ावाड़ी उपक्षेत्र।
06. क्षेत्रीय योजना अधिकारी/क्षेत्रीय सर्वेक्षण अधिकारी कन्हान क्षेत्र।

Annexure-I



[Signature]
21062023
MANAGER No.2
Ghorawari Colliery No.2

Online Proposal Details On GIS



Srinivas
21.06.2023
MANAGER
Ghotewari Colliery No.2

कार्यालय प्रधान मुख्य वन संरक्षक (कक्ष भू-प्रबंध), सतपुड़ा भवन, मध्यप्रदेश, भोपाल

क्रमांक/एफ-1/FP/MP/MIN/26356/2017/1291

भोपाल, दिनांक 29/03/23

प्रति,

वन महानिरीक्षक (एफ.सी.)

भारत सरकार, पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय
इंदिरा पर्यावरण भवन, अलीगंज, जोरबाग रोड,
नई दिल्ली-110003

विषय:- वन मंडल, पश्चिम छिन्दवाडा के परिक्षेत्र जामई के ग्राम जुन्नादेव विशाला के कक्ष क्र. 454 के रकबा 14.000 हे. वनभूमि भारत खुरी खदान फेस-2 कोयला उत्खनन हेतु वेस्टर्न कोलफील्ड्स लिमिटेड का व्यपवर्तन का आनलाईन प्रस्ताव क्र. FP/MP/MIN/26356/2017

संदर्भ:- भारत सरकार, पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय, नई दिल्ली का पत्र क्र./8-112/2006-FC Vol. दिनांक 22/03/2023

विषयांकित परियोजना के संबंध में आपके द्वारा संदर्भित पत्र क्र./8-112/2006-FC Vol. दिनांक 22/03/2023 से 04 बिन्दुओं पर जानकारी चाही गई है। वेस्टर्न कोलफील्ड्स लिमिटेड द्वारा पत्र क्रमांक/1445 दिनांक 18/03/2023 से प्राप्त हुई है। प्राप्त बिन्दुवार जानकारी निम्नानुसार प्रस्तुत है:-

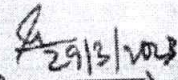
क्र.	चाही गई जानकारी	प्रस्तुत जानकारी
i	The State Govt has now intimated that the total forest area within mining lease is 145,690 ha whereas as the kml file submitted now the total forest area is found to be 150,453 ha. The State Government is requested to examine the extent of forest land within mining lease and do the necessary correction online along with KML file.	इस बिन्दु पर आवेदक संस्था का उत्तर संलग्न है। आवेदक संस्था द्वारा अवगत कराया गया है कि पोर्टल पर अपलोड KML फाईल का रकबा 145.69 हेक्टेयर है। इस संबंध में यह भी अनुरोध है कि इस कार्यालय द्वारा भी पोर्टल पर अपलोड KML फाईल का रकबा निकाला गया है जो 145.69 हेक्टेयर ही आया है। अतः पोर्टल पर अपलोड KML फाईल का रकबा की पुनः जांच किये जाने का अनुरोध है। आवेदक संस्था ने यह भी बताया है कि पोर्टल पर अपलोड वनभूमि के अनुसार ही राजस्व विभाग से इस खदान की लीज के संबंध में कार्यवाही की गई है।
ii	The Chindwara Van Mandal had done plantation over 14.00 ha area as a mitigation measure stipulated for the diversion of 19.5 ha forest land earlier. The State has now submitted that plantation will be carried out at the cost of user agency by the MP Van Vikas Nigam to compensate the same. However, the KML file or detail of land identified for this purpose has not been provided. In this regard the State Govt. has to ensure that the area identified for	इस संबंध में अनुरोध है कि सामान्य प्रकरण में आवेदित वनभूमि से काटे जाने वाले वृक्षों की संख्या के आधार पर वनीकरण न करते हुये आवेदित वनक्षेत्र के दुगने बिगड़े वनों में रोपण योजना तैयार कर आवेदक से राशि जमा कराई जाती। इस प्रकरण में भी नियमानुसार केवल 28.00 हेक्टेयर बिगड़े वनों में रोपण की योजना तैयार की जानी चाहिए थी। इस वनक्षेत्र में यदि वन विभाग का रोपण होता तो केवल 28.00 हेक्टेयर बिगड़े वनों में ही रोपण की राशि ली जाती।

<p>plantation is in line with the condition stipulated for this purpose in the approval accorded for the diversion of 19.5 ha forest land.</p>	<p>चूँकि प्रकरण में आवेदित भूमि पर वन विकास निगम का रोपण है, अतः इस रोपण पर अभी तक किया गया व्यय की वसूली आवेदक संस्था से की जाकर इसका भुगतान वन विकास निगम को किया जायेगा। इस राशि से वन विकास निगम अपनी इच्छा के अनुसार रोपण कर सकता है तथा इसमें किसी प्रकार की बाध्यता नहीं है।</p> <p>प्रकरण में नियमानुसार 28.00 हेक्टेयर बिगड़े वनों में 28000 पौधे रोपित करने की योजना तैयार की गई है, जिसकी राशि आवेदक संस्था से प्राप्त कर कैम्पा रू.द में जमा कराई जायेगी।</p>
<p>iii Now the user agency has informed that the 19.5 ha diverted forest land shall be used for over-burden (OB) dumping of waste generated from 14 ha forest proposed for diversion. It is pertinent to mention here that a seasonal nala flows on the western flank of 19.5 ha diverted forest land. Therefore, the State Govt. shall examine the matter and submit the justification/proposed safeguards accordingly.</p>	<p>इस संबंध में आवेदक संस्था ने यह स्पष्ट किया है कि आवेदित वनक्षेत्र से लगी पूर्व में स्वीकृत 19.5 हेक्टेयर की खदान में खनन का कार्य पूर्ण हो चुका है। खनन के कारण जो गड्ढा (Void) निर्मित हुआ है, उसमें प्रस्तावित खदान का ओवरबर्डन इन गड्ढों को भरने में किया जायेगा।</p> <p>आवेदक संस्था ने यह भी अवगत कराया है कि 19.5 हेक्टेयर खदान के पश्चिम भाग में जो नाला बहता है, उसके बचाव के लिये उनके द्वारा 3 मीटर ऊँचाई का बण्ड बनाया है। अतः नाले का पानी खदान में आना सम्भावित नहीं है।</p> <p>आवेदक संस्था द्वारा दिये गये तर्क से यह कार्यालय सहमत है।</p>
<p>iv User agency has now reported that 14 ha forest land is required due to change in technology and extraction of substantial coal which is locked up in protective barrier within 68.704 ha diverted forest land for under-ground mining. However, nothing of this fact was reflected in the Mining plan. Moreover, vital project components like safety zone, external dump, infrastructure, approach road etc. should be reflected in the Mining plan and may be intimated by the State Government.</p>	<p>आवेदक संस्था ने यह अवगत कराया है कि इस खदान की पर्यावरणीय स्वीकृति भारत सरकार के पत्र दिनांक 26.12.2008 से प्राप्त हुई थी। इस स्वीकृति में यह कार्य खुले खदान के रूप में करने का उल्लेख है।</p> <p>आवेदक संस्था ने इस संबंध में अभिलेख उपलब्ध कराये हैं जो संलग्न है।</p> <p>इसके अतिरिक्त आवेदक संस्था ने इस खदान के संबंध में एक बड़ा मानचित्र प्रस्तुत किया है, जो संलग्न है। इस मानचित्र में सेप्टीजोन, इन्फ्रास्ट्रक्चर, सड़क आदि दर्शित है।</p>

इस संबंध में यह अनुरोध है कि आवेदक संस्था की यह परियोजना अत्यन्त महत्वपूर्ण है तथा भारत सरकार स्तर से समय-समय पर की जा रही समीक्षा में इसे सम्मिलित किया गया है। इस प्रोजेक्ट के संबंध में यदि कोई कमी है तो इसे वीडियो कॉन्फ्रेंसिंग जिसमें आपका कार्यालय, आवेदक संस्था तथा इस कार्यालय के अधिकारियों को जोड़कर शेष औपचारिकतायें पूर्ण करने का अनुरोध है।

संलग्न:- उपरोक्तानुसार।


 21062023
 MANAGER
 Ghorawari Colliery No 2



 (सुनील अग्रवाल)
 प्रधान मुख्य वन संरक्षक (मू-प्रबंध)
 मध्यप्रदेश, भोपाल

भोपाल, दिनांक 29/03/2023

पृ. क्रमांक/एफ-1/FP/MP/MIN/26356/2017/ 1292
प्रतिलिपि:-

- 1 मुख्य वन संरक्षक, छिन्दवाड़ा वृत्त, छिन्दवाड़ा, मध्यप्रदेश
- 2 वन मण्डल अधिकारी, सामान्य वन मण्डल, पश्चिम छिन्दवाड़ा मध्य प्रदेश
- 3 महाप्रबंधक, वेस्टर्न कोलफील्ड्स लिमिटेड, पोस्ट डुंगरिया तहसील जामई
जिला-छिन्दवाड़ा मध्य प्रदेश।
की ओर सूचनार्थ अग्रेषित ।

29/3/23
प्रधान मुख्य वन संरक्षक (भू-प्रबंध)
मध्यप्रदेश, भोपाल


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MANAGER
Ghorawari Colliery No. 2

Annexure-V

No.J 11015/357/2008 IA.II(M)
Government of India
Ministry of Environment & Forests

Paryavaran Bhawan,
C.G.O.Complex,
New Delhi -110510.

Dated: 26th December 2008

To
Director (Tech.)
M/s Western Coalfields Ltd.,
Coal Estate, Civil Lines,
Nagpur- 440001.

Sub: Ghorwari Opencast Coal Mine Project (from 0.45 MTPA to 1.50 MTPA) of M/s Western Coalfields Ltd. (WCL), located in village Ghorwari Khurd, Tehsil Junnardeo, District Chhindwara, Madhya Pradesh - Environmental clearance – reg.

Sir,

This has reference to letter No. 43011/65/2008-CPAM dated 30.07.2008 forwarding the application and letters dated 18.11.2008 and 18.11.2008 on the above-mentioned subject. The Ministry of Environment & Forests has considered the application. It has been noted that the project proposal is to mine coal from patches of old UG workings by opencast operations and expansion in production of coal from 0.45 MTPA to 1.50 million tonnes per annum (MTPA). EC was granted for 0.45 MTPA capacity project on 19.02.2008. The total lease area is 1296.011 ha of which 178.10 ha is agricultural land, 593 ha is forestland, 192 ha is grazing land, and 332.911 ha is Govt. land. Forestry clearance has been applied for for renewal of lease. There area no National Parks, Wildlife Sanctuary, Biosphere Reserves found in the 10 km buffer zone. River Kanhan flows at a distance of 6-7km from the ML. It is not proposed to modify the existing natural drainage.

There is no change in the geo mining characteristics of the working of the various patches within the ML. Of the total lease area, area for excavation is 750.36 ha, area for OB dumps 217.86 ha, infrastructure is 12.34 ha, roads is 2.65 ha, area for green belt is 497.049 ha, area for township is 140 ha, and area for rationalisation is 172.80 ha. The proposal is to mine coal from patches of old UG workings by opencast operations as given below:

S.N.	Name of OC Patrh	Quarry Area (ha)	TOTAL		Quarry Depth (m)		Final Backfilled Area (ha)	Final Void (ha)
			Balance Coal in LTPA	Balance OB in Lakh M3	Present	Max.		
A. Present Working Patches								
1.	No. 16/17	17	Nil	Nil	45	50	9.50	7.50
2.	No. 6A & 6B	20	0.89	17.45	30	52	18	2
	TOTAL =	37	0.89	17.45			27.50	9.50
B. Proposed upto 2015-16								
1.	No. 16 & 17 B. Ph.III	40.50	8.57	60.75	—	54	40.50	Nil
2.	Ghogra Patch OC	8.0	2.99	13.13	—	53	6	2
3.	Kathideo Patch OC	12.50	5.12	17.83	—	34	10	2.50
	TOTAL =	61	16.68	91.71			56.50	4.50

C. Proposed beyond 2015-16 upto 2025-26									
1.	Ghorawari Kalan OC Patch	15	4.50	28.45	--	30	10.44	4.56	
2.	Dungariya OC Patch	39	10.60	109.50	--	50	27.13	11.87	
3.	Panara OC Patch	12.50	4.25	39.75	--	54	8.70	3.0	
4.	Bharat Colliery OC Patch	79.20	24.0	198.0	--	48	55.10	24.10	
5.	Chikalam AU OC Patch	21.25	6.55	61.58	--	67	14.61	6.39	
6.	South Panara OC Patch	21.25	7.69	81.29	--	62	14.778	6.472	
TOTAL =		187.95	55.84	518.48			130.758	57.192	
D. Proposed beyond 2015-16 upto 2025-26									
1.	Vegin Patch	168	Individual Schemes will be firmed up after 2014-15						
2.	Datla East	139.994							
TOTAL =		424.594							
E. Abandoned Patches									
1.	No. 16 & 17 OC Patch Phase-I	12.50	Not Applicable				12.50	Nil	
2.	No. 6 & 7 OC Patch Ph.I & II	7.50					7.50	Nil	
3.	Gh-2 OC Patch	6.0					6.0	Nil	
4.	Gh-3 OC Patch	4.50					4.50	Nil	
5.	Kolhiya OC Patch	4					4	Nil	
6.	DQ-3 OC Patch	5.316					5.316	Nil	
TOTAL =		39.816					39.816	Nil	
GRAND TOTAL (A+B+C+D+E)		750.36	82.90	679.11			254.574 =552.074	71.192 = 198.288	

Mineral transportation of **1100 TPD** of coal is by road to railway siding covering a distance of 12 km and the balance 270 TPD is by road. Ultimate working depth of the mine is 45m below ground level (bgl). Present working depth is 40m bgl. Water table is in the range of 4.05m-17.20 m bgl during pre-monsoon season and 0.05-8m bgl during post-monsoon. Mining has intersected water table. Peak water requirement is 440 m³/d, which will be met from mine pit water. Presently a total of 11.82 Mm³ of OB has been generated of which 11 Mm³ has been used for backfilling and 0.82 Mm³ has been dumped in ext. OB dump. An estimated 64.64 Mm³ of OB would be generated in the balance life of mine, which be backfilled simultaneously.

Of the total quarry area of 750.36 ha, of which 552.07 ha would be backfilled and plantation developed thereon as per table below:

S.N.	Area (ha)	Existing	Status upto 2015-16	Status upto 2025-26	Status beyond 2025-26	Status at the end of mine life
1.	Excavation	83.36	81.00	187.95	424.594	750.36
2.	Backfilled	59.316	64.50	130.758	297.500	552.074

[Signature]
21062023
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Ghorawari Colliery No. 16

Balance life of the mine at the rated capacity is 12 years. A void of 198.285 ha with a max. depth of 10-15m would be left at the end of mine life which would be converted into a reservoir. Public Hearing was held on 22.11.2005. The project was approved by M/s WCL on 05.11.2008. The capital cost of the project is Rs. 1.37 crores.

2. The Ministry of Environment & forests hereby accords environmental clearance for the above-mentioned **Ghorawari Opencast Coal Mine Project of M/s WCL for production of coal at 1.50 MTPA rated capacity** under section 7.2 of the Environmental Impact Assessment Notification, 2006 and subsequent amendments thereto subject to the compliance of the terms and conditions mentioned below:

A. Specific Conditions

- (i) No mining operations shall be undertaken in the forestland until clearance for renewal has been obtained under the provisions of FC Act, 1980.
- (ii) The environmental clearance is only for the specific patches consisting of details submitted to the Committee and summarised in the table.
- (iii) OC mining should be carried out at a safe distance for old UG workings.
- (iv) Prior permission of DGMS shall be obtained before start of the working based on the Environmental Clearance.
- (v) Safe distance shall be maintained for working adjacent to agricultural fields.
- (vi) The entire OB being generated in the balance life of mine shall be backfilled.
- (vii) No OB generated in the balance life of the mine shall be dumped in the external OB dumps. Reclamation, monitoring and management of the existing external OB dumpsite should continue until the vegetation becomes self-sustaining. Compliance status should be submitted to the Ministry of Environment & Forests and its Regional office located at Bhopal on yearly basis.
- (viii) Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil, OB and mineral dumps. The water so collected should be utilised for watering the mine area, roads, green belt development, etc. The drains should be regularly desilted and maintained properly.
Garland drains (size, gradient and length) and sump capacity should be designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine site. Sump capacity should also provided adequate retention period to allow proper setting of silt material.
- (ix) Dimension of the retaining wall at the toe of the dumps and OB benches within the mine to check run-off and siltation should be based on the rainfall data.
- (x) Mining shall be carried out as per statuette at a safe distance from the Pench River flowing adjacent to the lease boundary.
- (xi) The road for coal transport shall be black topped and avenue trees developed on both sides.
- (xii) Drills should be wet operated or with dust extractors.
- (xiv) Controlled blasting should be practiced with use of delay detonators. The mitigative measures for control of ground vibrations and to arrest the fly rocks and boulders should be implemented.


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Ghorawari Colliery No.2

- (xv) Area brought under afforestation shall be not less than 769.93 ha and includes area external OB dump (217.86 ha), backfilled area (552.074 ha), along ML boundary, infrastructure along roads and safety zone located within and outside the lease by planting native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per ha.
- (xvi) A Progressive Mine Closure Plan shall be implemented by reclamation of decoaled quarry area of 750.36 ha of which 552.074 ha shall be concurrently backfilled with 67.778 Mm³ of OB generated in the balance life of mine and reclaimed with plantation using native plant species in consultation with the local DFO/Agriculture Department. The number of the trees should be around 2500 plants per ha. The balance 198.286 ha of decoaled void would be converted into a water reservoir of a maximum depth of 15m, the upper benches of which shall be gently sloped and stabilised with plantation and a peripheral fencing erected all around the reservoir.
- (xvii) Regular monitoring of groundwater level and quality should be carried out by establishing a network of existing wells and construction of new peizometers. The monitoring for quantity should be done four times a year in pre-monsoon (May), monsoon (August), post-monsoon (November) and winter (January) seasons and for quality in May. Data thus collected should be submitted to the Ministry of Environment & Forests and to the Central Pollution Control Board quarterly within one month of monitoring.
- (xviii) Besides carrying out regular periodic health check up of their workers, 10% of the workers identified from workforce engaged in active mining operations shall be subjected to health check up for occupational diseases and hearing impairment, if any, through an agency such as NIOH, Ahmedabad within a period of one year and the results reported to this Ministry and to DGMS.
- (xix) For monitoring land use pattern and for post mining land use, a time series of land use maps, based on satellite imagery (on a scale of 1: 5000) of the core zone and buffer zone, from the start of the project until end of mine life shall be prepared once in 3 years (for any one particular season which is consistent in the time series), and the report submitted to MOEF and its Regional office at Bhopal.
- (xx) Digital processing of the entire lease area using remote sensing technique should be done regularly once in 3 years for monitoring land use pattern and report submitted to MOEF and its Regional office at Bhopal.
- (xxi) The detailed Final Mine Closure Plan along with details of Corpus Fund should be submitted within six months to the Ministry of Environment & Forests Regional Office, Bhopal.

B. General Conditions

- (i) No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment and Forests.
- (ii) No change in the calendar plan including excavation, quantum of mineral coal and waste should be made.
- (iii) Four ambient air quality monitoring stations should be established in the core zone as well as in the buffer zone for monitoring SPM, RPM, SO₂ and NO_x and heavy metals such as Hg, As, Pb, etc. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board.
- (iv) Fugitive dust emissions (SPM and RPM and heavy metals such as Hg, As, Pb, etc.) from all the sources should be controlled regularly monitored and data recorded properly. Water


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spraying arrangement on haul roads, wagon loading, dump trucks (loading and unloading) points should be provided and properly maintained.


- (v) Data on ambient air quality (SPM, RPM, SO₂, NO_x and heavy metals such as Hg, As, Pb, etc.) should be regularly submitted to the Ministry including its Regional Office at Bhopal and to the State Pollution Control Board and the Central Pollution Control Board once in six months.
- (vi) Adequate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc should be provided with ear plugs/muffs.
- (vii) Industrial wastewater (workshop and wastewater from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December 1993 or as amended from time to time before discharge. Oil and grease trap should be installed before discharge of workshop effluents.
- (viii) Vehicular emissions should be kept under control and regularly monitored. Vehicles used for transporting the mineral should be covered with tarpaulins and optimally loaded.
- (ix) Environmental laboratory should be established with adequate number and type of pollution monitoring and analysis equipment in consultation with the State Pollution Control Board.
- (x) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
Occupational health surveillance programme of the workers should be undertaken periodically to observe any contractions due to exposure to dust and to take corrective measures, if needed.
- (xi) A separate environmental management cell with suitable qualified personnel should be set up under the control of a Senior Executive, who will report directly to the Head of the company.
- (xii) The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to this Ministry and its Regional Office at Bhopal.
- (xiii) The Regional Office of this Ministry located at Bhopal shall monitor compliance of the stipulated conditions. The Project authorities shall extend full cooperation to the office(s) of the Regional Office by furnishing the requisite data/information/monitoring reports.
- (xiv) A copy of the will be marked to concerned Panchayat/ local NGO, if any, from whom any suggestion/representation has been received while processing the proposal.
- (xv) State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industry Centre and Collector's Office/Tehsildar's Office for 30 days.
- (xvi) The Project authorities should advertise at least in two local newspapers widely circulated around the project, one of which shall be in the vernacular language of the locality concerned within seven days of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution control Board and may also be seen at the website of the ministry of Environment & Forests at <http://envfor.nic.in>. The compliance status shall also be uploaded by the project authorities in their website so as to bring the same in the public domain.

3. The Ministry or any other competent authority may stipulate any further condition for environmental protection.

4. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract the provisions of the Environment (Protection) Act, 1986.



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Ghorawari Colliery No. 2

5. The above conditions will be enforced *inter-sita*, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and Rules. The proponent shall ensure to undertake and provide for the costs incurred for taking up remedial measures in case of soil contamination, contamination of groundwater and surface water, and occupational and other diseases due to the mining operations.


(Dr. T. Chandin.)
Director

Copy to:

1. Secretary, Ministry of Coal, Snastr Bhawan, New Delhi.
2. Secretary, Department of Environment & Forests, Government of Madhya Pradesh, Secretariat, Bhopal.
3. Chief Conservator of Forests, Regional office (EZ), Ministry of Environment & Forests, E-2/240 Aera Colony, Bhopal - 462013.
4. Chairman, Madhya Pradesh State Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal - 462016.
5. Chairman, Central Pollution Control Board, CBD-cum-Office Complex, East Arjun Nagar, New Delhi -110032.
6. Member-Secretary, Central Ground Water Authority, Ministry of Water Resources, Curzon Road Barracks, A-2, W-3 Kasturba Gandhi Marg, New Delhi.
- ✓ 7. Shri M.K. Shukla, CGM, Coal India Limited, SCOPE Minar, Core-I, 4t Floor, Vikas Marg, Laxminagar, New Delhi.
8. District Collector, Chindwara, Government of Madhya Pradesh, New Delhi.
9. Monitoring File 10. Guard File 11. Record File


21/06/2023
MANAGER
Ghorawani Colliery No 2

APPLICATION

FOR

ENVIRONMENTAL CLEARANCE

(AS PER CLAUSE 7(ii) OF EIA NOTIFICATION SEPT' 06 -
DUE DILIGENCE, FORM-1 AND TOR)

OF

GHORAWARI OC EXPANSION PROJECT

(Expansion from 0.45 MTPA TO 1.50 MTPA)

FORM - 1

&

TERMS OF REFERENCE

JUNE - 2008

Prepared by :-

ENVIRONMENT DEPARTMENT
CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD
REGIONAL INSTITUTE -IV, JARIPATKA
NAGPUR - 440014


24.06.2023
MANAGER
Ghorawari Colliery No.2

B. COAL SEAMS AND ITS QUALITY :

Prospecting for the area under consideration for this project had been done by MECL, IBM & NCDC and as per the reports it has been correlated that the workable coal seams from top to bottom as Seam I, II & III. In this area, two of these seams viz. Seam-I & Seam-II; not only occur in split sections, which are designated as IA, IB, IC, (Split of seam I, IIA, IIB (Split of Seam II), etc but are also at high depth. Due to such splits in both these Seams they are also very thin, hence declared unworkable seams. As such, only Seam-III has been considered for extraction by Opencast method. The quality of coal is designated as "Grade - D".

C. METHOD OF WORK :

Within the Opencast leasehold area of this project, Opencast Mine is proposed in Seam-III keeping safety barrier from the leasehold boundary. Quarry batter is drawn at 45 degree as the type of rock is hard.

As indicated above Seams- I & II are very thin and at high depth, hence declared unworkable.


Simultaneous OB removal and backfilling in the decoaled area has been proposed for balance life of the mine. No OB dumping has been proposed in Coal Bearing & Forest Land, for the balance life of the mine. OB dump schedule has been indicated in the progressive mine closure plan. Coal of this seam had already been extracted by under ground mining method earlier. Presently remaining coal from already developed/ depillared galleries and the left out barrier portion is being extracted by opencast mining method in small patches by deep hole blasting with shovel dumper combination by obtaining permission from DGMS.

D. CALANDER PROGRAMME FOR BALANCE LIFE:

The total mineable reserve left in the mine is 7,249 Mt. and the balance life of mine is about 7 years.

YEAR	COAL (Mt)	OB(M.Cu.m.)	INTERNAL DUMPING (M.Cu.m.)	EXTERNAL DUMPING (M.Cu.m.)
2008-09	0.59	5.16	4.16	1.00
2009-10	1.25	10.94	8.31	2.63
2010-11	1.25	10.94	8.31	2.63
2011-12	1.30	11.37	8.53	2.84
2012-15	0.95 X 3 = 2.85	8.31 X 3 = 24.93	18.95	5.98
TOTAL	7.24	63.34	48.26	15.08

Form - 1/ Ghorawari OC/ Kaptan Area


21062023
MANAGER
Ghorawari Colliery No.2

ANNEXURE- VII



Western Coalfields Limited

(A Government of India Undertaking)
Regd. Office: 'Coal Estate', Civil Lines, Nagpur - 440 001.
Telephone: 91-0712-2510151, Fax: 91-0712-2510151

Ref No: WCL/HQ/ENV/4 - 171373

Dt: 13/11/2008

To,
Dr. T. Chandini,
Director,
Government of India, Ministry of Environment & Forests,
Parvavaran Bhavan, CGO Complex,
New Delhi - 110510.

Subject: Submission of documents for environmental Clearance for Ghorawari OC Expansion Project (from 0.45 MTPA to 1.50 MTPA) under clause 7(ii) of EIA Notification, 2006.

Ref: Telephonic discussion on 18.11.2008.

Madam,

Kindly refer to your telephonic directions on the subject matter. As directed the details have been prepared and placed below for your kind perusal.

The scenario of the project in respect of the mining and allied parameters during proposed expansion of production capacity vis - a vis the scenario of the existing project is summarised as below :-

The project proposal is to mine coal from the patches of old UG workings by Opencast operations and expansion in production of coal from 0.45 MTPA to 1.50 MTPA which is the maximum achievable production capacity.

The total lease area is 1296.011 ha of which 178.10 ha is agriculture land, 593 ha is forest land, 192 ha is grazing land, and 332.911 ha is government land. Forest clearance has been applied for the renewal of lease.

There is no National Park, Wild Life Sanctuary, Biosphere Reserves found in the 10 Km Buffer Zone.

River Kanhan flows at a distance of 6-7 Km from the ML. It is not proposed to modify the existing natural drainage.

Ultimate working depth is 45 m bgl (average) and present working depth is 40 m bgl.


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MANAGER
Ghorawari Colliery No 2

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Of the total lease area, area for excavation is 750.36 ha, area for OB dumps 217.86 ha, infrastructure is 12.34 ha, roads is 2.65 ha, area for green belt is 497.049 ha, area for township is 140 ha, and area for rationalisation is 172.80 ha.

It may be noted here that there is no change in the above mentioned mine specific parameters (except for production capacity and schedule of production) in the expansion proposal in comparison to the earlier EC granted vide letter no. J - 11015/382/2007, IA, II(M) dated 19.02.2008.

The proposal is to mine coal from patches of old UG workings by opencast operations as given below.

Sl. No	Name of OC PATCHES	Quarry Area(ha)	Total		Quarry Depth (m)		Balance		OB Excavated till date in lakh Cum.	Final Backfilled Area(ha)	Final Void Area(ha)
			Coal in Lakh Tonnes	OB in Lakh Cum.	Present	Maximum	Coal in Lakh Tonnes	OB in Lakh Cum.			
A) Present Working Patches											
1.	No. 16/17 OC Patch Ph - II Start - 08/06 Finish - 07/08 Completed.	17.00	4.95	31.53	45	50	NIL	NIL	31.53	9.50 Which is being technically reclaimed	7.50
2.	No. 6A & 6B OC Patch Ph - VI Start - 08/07 Finish - 09/2011	20.00	3.77	33.57	30	52	0.69	17.45	16.12	10.00 Backfilled till date is 10.00 ha which is being technically reclaimed	2.00
TOTAL (A)		37.00	8.72	65.10			0.69	17.45	47.65	19.50	
B) Proposed upto 2011 - 12											
1.	No. 16/17 OC Patch Ph - III	40.50	8.57	80.75	--	54	8.57	60.75	--	40.50	NIL
2.	Ghogra OC Patch	8.00	2.99	13.13	--	53	2.80	13.13	--	6.00	2.00
3.	Kothindoo OC Patch	12.50	5.12	17.83	--	34	5.12	17.83	--	11.00	2.50
Total (B)		61.00	16.68	111.71			16.68	91.71		57.50	4.50
C) Proposed upto 2015 - 16											
1.	Ghorawari Kalan OC Patch	15.00	4.50	28.45	--	30	4.50	28.45	--	10.44	4.50
2.	Durgariya OC Patch	39.00	10.60	109.50	--	50	10.60	109.50	--	27.13	14.87

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S. No	Name of OC PATCHES	Quarry Area(ha)	Total		Quarry Depth (m)		Balance		OB Excavated till date in lakh Cum.	Final Backfilled Area(ha)	Final Void Area(ha)
			Coal in Lakh Tonnes	OB in Lakh Cum.	Present	Maximum	Coal in Lakh Tonnes	OB in Lakh Cum.			
3	Panara OC Patch	12.50	4.25	39.75	--	54	4.25	39.75	-	3.70	3.80
4	Dharat Colliery OC Patch	79.20	24.0	198.0	-	48	24.0	198.0	-	18.11	24.10
5	Chikalmau OC Patch	21.00	6.55	61.58	-	67	6.55	61.58	-	14.61	6.38
6	South Panara OC Patch	21.25	7.88	81.29	-	62	7.88	81.29	-	14.78	8.472
Total (C)		187.95	57.50	518.62	-	231	57.50	518.62	-	130.758	57.192

D) Proposed beyond 2015 - 16

1.	Virgin Patch	168.0	Individual schemes will be firmed up after 2014-15. Estimated backfilled area would be 297.500 ha and void would be 127.084 ha								
	Between GH 16/17 & Chorawari Kalan OC	136.594									
2	Darla East	120.0									
Total (D)		424.594									

E) Abandoned Patches :

1	No. 16 & 17 OC patch Ph-I	12.50	Not Applicable.							12.50	NIL
2	No. 6 & 7 OC Patch. Ph-I & II	7.50								7.50	NIL
3	GH-2 OC Patch	6.0								6.0	NIL
4	GH-3 OC Patch	4.5								4.5	NIL
5	Kal'iyra OC Patch	4.0								4.0	NIL
6	DQ-3 OC Patch	5.316								5.316	NIL
Total (E)		39.816								39.816	NIL
Grand Total (A+B+C+D+E)		750.36	82.90	679.11			75.07	627.78		254.574 + 297.500 = 552.074	71.192 + 127.084 = 198.280

There is no change in geo - mining parameters of the above mentioned patches during the proposed expansion of production capacity up to maximum achievable capacity of the mine except for the mine life due to change in production capacity.

Mineral transportation of 3636 TPD of coal is by road to railway siding covering a distance of 12 Kms and the balance 909 TPD is by road at the lime of maximum production of 1.50 MTPA. Present working depth is 40 m bgl. Water table is in the range of 4.05 m - 17.20 m. during pre-monsoon season and 0.05 - 8 m bgl during post-monsoon. Mining has intersected water table. Peak water requirement is 440 m3 per day which will be met from mine pit water.

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 Ghorawari Colliery No.2

Presently a total of 16.68 Mm³ of OB has been generated of which 12.86 Mm³ has been used for backfilling and 0.82 Mm³ has been dumped in external OB dump. An estimated 62.778 Mm³ of OB would be generated in the balance life of the mine which will be backfilled simultaneously.

The total quarry area of 750.36 ha of which 552.074 ha would be backfilled and plantation developed thereon.

Sl NO	Area(ha)	Existing	Status up to 11-12	Status up to 15-16	Status beyond 15-16	Status at the end of Mine Life
1.	Excavation	83.36	81.00	187.95	424.594	750.36
2.	Backfilled	59.316	64.50	130.758	297.500	552.074

Balance life of the mine considering the maximum achievable capacity of 1.50 MTPA is 12 years. A void of 198.286 ha with a maximum depth of 10-15 m would be left at the end of mine life which would be converted into a reservoir.

There is no change in the final land use pattern of the mine at the end of mine life.

Yours faithfully

Alay

Officer on Special Duty (Environment)

Pradeep
21.06.2023
MANAGER
Ghorawari Colliery No 2

F. No. 8-112/2006-FC (vol.)
Government of India
Ministry of Environment, Forest and Climate Change
(Forest Conservation Division)

Indira Paryavaran Bhawan
Allgari, Jorhugh Road
New Delhi - 110003
Dated: 17th January, 2015

To,
The Principal Secretary (Forests),
Government of Madhya Pradesh,
Bhopal.

Sub: Diversion of additional 19,500 hectares of forest land to M/s Western Coalfields Limited in Kanhan area for open cast mining in Compartment No. 454 C.F.D. under West Chhindwara Division.

Sir,

I am directed to refer to the Government of Madhya Pradesh's letter No. F-1/406/06/10-11/1567 dated 30.06.2008 on the above mentioned subject, on the above mentioned subject, wherein prior approval of the Central Government for the diversion of additional 19,500 hectares of forest land to M/s Western Coalfields Limited in Kanhan area for open cast mining in Compartment No. 454 C.F.D. under West Chhindwara Division, was sought, in accordance with section-2 of the Forest (Conservation) Act, 1980. After careful consideration of the proposal by the Forest Advisory Committee constituted under section 3 of the said Act, in-principle approval under the Forest (Conservation) Act, 1980 for diversion of the said forest land was accorded vide this Ministry's letter of even number dated 7th November 2013, subject to fulfillment of certain conditions. The State Government has furnished compliance report in respect of the conditions stipulated in the stage-I approval and has requested the Central Government to grant final approval.

2. In this connection, I am directed to say that on the basis of the compliance report furnished by the Addl. Principal Chief Conservator of Forests (Land Management) and Nodal Officer, the Forest (Conservation) Act, 1980, Government of Madhya Pradesh vide letters No. F-1/406/2006/10-11/2927 dated 5th November 2014 and User Agency's letter No. WCL/KAN/ACM/SUR/, 2014-291 dated 24th December 2014 approval of the Central Government is hereby granted under section-2 of the Forest (Conservation) Act 1980 for diversion of 19,500 hectares of forest land to M/s Western Coalfields Limited in Kanhan area for open cast mining in Compartment No. 454 C.F.D. under West Chhindwara Division, subject to fulfillment of the following conditions:

- (i) Legal status of the diverted forest land shall remain unchanged;
- (ii) State Forest Department shall create and maintain from funds realised from the user agency the compensatory afforestation over the degraded forest land double in extent to the forest land being diverted shall be raised and maintained by the State Forest Department from the funds to be provided by the user agency;
- (iii) Following activities shall be undertaken by the User Agency at the project cost:
 - (a) Implement the plan containing appropriate mitigative measures to minimize soil erosion and depletion of forest...


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Ghorawari Colliery No.2

- (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 to arrest sliding down of the excavated material along the contour;
- (d) Stabilize the overburden dumps by appropriate grading/benching so as to ensure that that angles of repose at any given place is less than 28°; and
- (e) Strict adherence to the prescribed top soil management.
- (iv) The State Government shall realise from the user agency the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India and transfer the same to the ad-hoc CAMPA under intimation to this Ministry;
- (v) User agency shall obtain the Environment Clearance as per the provisions of the Environmental (Protection) Act, 1986, if required;
- (vi) State Forest Department shall undertake fencing, protection and afforestation of the safety zone area (7.5 meter strip all along the outer boundary of the area identified to undertake mining) from funds already realised from the user agency;
- (vii) State Forest Department shall undertake afforestation on degraded forest land, one and half time in extent to the area used for safety zone from funds already realised from the user agency;
- (viii) For evacuation of the coal to be extracted from the forest land proposed for diversion, the user agency shall not seek diversion of any additional forest land;
- (ix) The user agency shall contribute on proportionate basis the amount required for implementation of the plans to be prepared by the NTCA for rejuvenation and restocking of the viable corridor and the mitigative measures to eliminate/minimize the adverse impacts of the transportation of the coal to be extracted from the Pench-Kanhan coalfield on the viable corridor;
- (x) For the purpose of apportioning the cost to be recovered from the user agency for rejuvenation and restocking of the migratory corridor and to implement the mitigative measures to eliminate/minimize the adverse impacts of the transportation of the coal on the said migratory corridor, in case of open cast mining the entire area of lease may be taken into account. In case of underground mining project, half of the area of the mining lease may be taken into account to calculate the amount to be recovered from the user agency;
- (xi) The Chief Wildlife Warden, Government of Madhya Pradesh shall monitor the implementation of mitigative measures against the impact of project on wildlife
- (xii) The period of diversion of the said forest land under this approval shall be for a period co-terminus with the period of the mining lease proposed to be granted under the Mines and Minerals (Development & Regulating) Act, 1957, or Rules framed there under, subject to a maximum period of 30 years;
- (xiii) State Forest Department shall undertake gap planting and soil & moisture conservation activities to restock and rejuvenate the degraded open forests (having crown density less than 0.4), if any, located in the area within 100 m. from outer perimeter of the mining lease from funds already realised from the user agency;


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Ghorwahi Colliery No. 2

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Director
(H.C. Chaudhary)

Guard File

Monitoring Cell, FC Division, MOEF, New Delhi

User Agency

Bhopal

The Addl. Principal

Chief Conservator of Forests (Central), Regional Office (Western Zone)

The Nodal Officer, the Forest (Conservation) Act, 1980, Government of Madhya Pradesh

The Principal Chief Conservator of Forests, Government of Madhya Pradesh, Bhopal

Copy to:

Director
(H.C. Chaudhary)

Yours faithfully

project

(xxii) User Agency and the State Government shall ensure compliance to provisions of the all Acts, Rules, Regulations and Guidelines, for the time being in force, as applicable to the

(xxi) User agency shall submit annual report on compliance to conditions stipulated in this approval to State Government and concerned Regional Office of this Ministry.

(xx) Any other condition that the concerned Regional Office of this Ministry may stipulate from time to time, in the interest of conservation, protection and development of forest & wildlife;

(xix) The forest land shall not be used for any purpose other than that specified in the proposal.

(xviii) Boundary of the mining lease and safety zone shall be demarcated on ground at the project cost, by erecting four feet high reinforced cement concrete pillars, each marked with its serial number, forward and back bearing and distance from pillar to pillar.

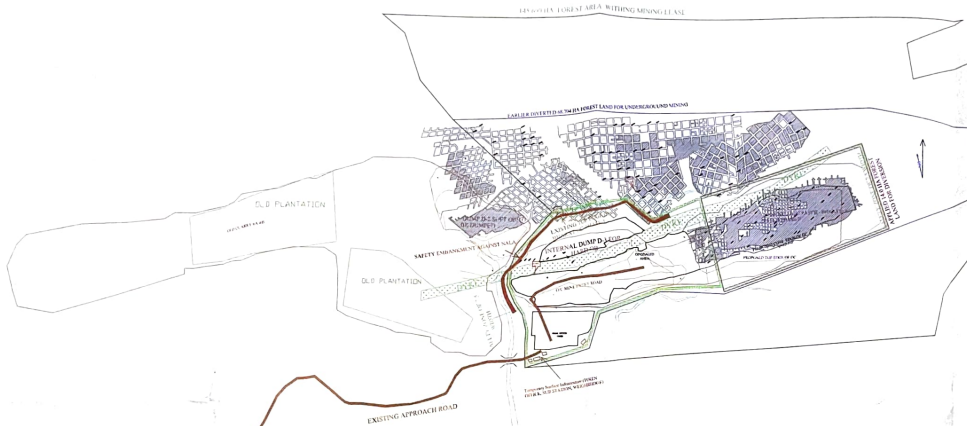
(xvii) User agency shall provide firewood preferably alternate fuel to the labourers and the staff working at the site so as to avoid any damage and pressure on the adjacent forest areas.

(xvi) No labour camp shall be established on the forest land.

(xv) The user agency shall undertake mining in a phased manner after taking due care for reclamation of the mined over area. The concurrent reclamation plan shall be executed by the User Agency from the very first year, and an annual report on implementation thereof shall be submitted to the Nodal Officer, Forest (Conservation) Act, 1980, Government of Madhya Pradesh and the Addl. Principal Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office (Western Zone), Bhopal. If it is found from the annual report that the activities indicated in the concurrent reclamation plan are not being executed by the User Agency, the Nodal Officer or the Chief Conservator of Forests (Central) may direct that the mining activities shall remain suspended till such time, such reclamation activities are satisfactorily executed.

(xiv) User agency shall undertake de-silting of the village tanks and other water bodies located within five km from the mine lease boundary so as to mitigate the impact of siltation on such tanks/water bodies, whenever required;

(xiii) The user agency shall undertake mining in a phased manner after taking due care for reclamation of the mined over area. The concurrent reclamation plan shall be executed by the User Agency from the very first year, and an annual report on implementation thereof shall be submitted to the Nodal Officer, Forest (Conservation) Act, 1980, Government of Madhya Pradesh and the Addl. Principal Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office (Western Zone), Bhopal. If it is found from the annual report that the activities indicated in the concurrent reclamation plan are not being executed by the User Agency, the Nodal Officer or the Chief Conservator of Forests (Central) may direct that the mining activities shall remain suspended till such time, such reclamation activities are satisfactorily executed.



21.99 HA. MIN FOREST AREA WITHIN MINING LEASE

EXISTING FOREST AREA WITHING MINING LEASE

EXISTING FOREST AREA WITHIN MINING LEASE

D.F. PLANTATION

D.F. PLANTATION

SAFETY ENHANCEMENT ROAD

EXISTING APPROACH ROAD

EXISTING MINE ENTRY ROAD

INFRASTRUCTURE

INTERNAL DUMPING

WESTERN COALFIELDS LIMITED

KAMHAN AREA

GHORANARI SLD AREA

GHORANARI COL LIERY NO. 2

PLAN SHOWING THE PROJECTS COMPONENT OF BIHARAT O/C PATCH PHASE II

PLAN NO - KAN-GSA-GHC-BIHARAT-O/C-PH II/22-23/01 DATED-11.03.2023

SCALE 1:5000

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SUDHANU K. SINGH
SUDHANU K. SINGH

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SUDHANU K. SINGH
SUDHANU K. SINGH

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SUDHANU K. SINGH
SUDHANU K. SINGH

LEGEND

1. PROPOSED HOE BOUNDARY SHOWN THIS:	
2. PROPOSED TOP EDGE SHOWN THIS:	
3. PROPOSED COAL EDGE SHOWN THIS:	
4. EXISTING COAL EDGE SHOWN THIS:	
5. EXISTING TOP EDGE SHOWN THIS:	
6. EXISTING APPROACH ROAD SHOWN THIS:	
7. EXISTING MINE ENTRY ROAD SHOWN THIS:	
8. INFRASTRUCTURE SHOWN THIS:	
9. INTERNAL DUMPING SHOWN THIS:	

← TO BIHARAT