"A maharatna company"

सेंट्रल कोलफिल्डस लिमिटेड
Central Coalfields Limited
(A Subsidiary of Coal India Limited)
Office of Project Officer, KDH Project
NORTH KARANPURA AREA
P.O. Dakra-825321, DIST: Ranchi
Jharkhand.

Ref. No: PO/KDH/Envt/2021-22/80

Date. 19/6/21

To,
The Divisional Forest Officer
Ranchi Division
Van Bhavan
Ranchi

Sub: **Compliance of FAC meeting minutes held on 31.07.2019 for release of 126.72 Ha. Forest land in respect of KDH Project.**

Dear Sir,

With reference to F. No. 8-62/2018-FC-DFA-I dated 22.08.2019 the point wise reply of minutes of FAC meeting held on 31.07.2019 was furnished vide reference no PO/KDH/Envt/2020-21/ 199 dated 04.01.2021 (submitted on 15.01.2021)

<table>
<tr><th>Query Point no.</th><th>Points raised</th><th>Reply submitted vide PO/KDH/Envt/2020-21/ 199 dated 04.01.2021 (submitted on 15.01.2021)</th><th>Additional Reply</th></tr>
<tr><td>1.</td><td>State Govt shall attach necessary certificate that the area is free from encroachments & encumbrances</td><td>The forest area i.e.126.72 ha applied for forestry diversion is free from encroachments and encumbrances.
The detail of CA patches is as under:
<table>
<tr><th>Sl No.</th><th>CA Patch</th><th>Area (In Ha)</th></tr>
<tr><td>1</td><td>Hatma</td><td>70.00</td></tr>
<tr><td>2</td><td>Kotari</td><td>104.00</td></tr>
<tr><td>3</td><td>Mayapur</td><td>80.00</td></tr>
<tr><td></td><td>Total</td><td>254.00</td></tr>
</table>
The Compensatory area is free from encroachments and encumbrances.
Copy of DGPS of the forest land and CA patches is attached as annexure A1</td><td>Letter from Circle Officer, Khalari regarding name of tenants in GM. given by state Government ar mentioned in Register II.
Letter is enclosed as annexure -1</td></tr>
</table>

19/6/21

परियोजना पदाधिकारी
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		Copy of KML files of forest land and CA patches is attached as annexure A2	
2.	State Government shall submit necessary certificate to confirm whether the site selected for non-forest use and also for compensatory afforestatation is import-ant from Religious / Archaeological point of view or not.	The project area of KDH OCP and compensatory afforestation site does not contain any important Religious/Archaeological site. Letter to Archaeological Survey of India , Ranchi Division regarding the same has been submitted. Copy attached as Annexure B As soon as the certificate is communicated from ASI Ranchi the same will be submitted. Letter to Circle Officer, Khalari Block regarding the certificate to confirm whether the site selected for non-forest use and also for compensatory afforestatation is important from Religious point of view has been submitted. Copy attached as annexure C As soon as the certificate is communicated from Circle Officer, Khalari Block the same will be submitted	The project area of KDH OCP and compensatory afforestation site does not contain any important Religious/Archaeological site. 1) Letter of Archaeological Survey of India, Ranchi stating that "no archaeological remains is present over the ground areas" is enclosed as Annexure 2 2) Letter from Circle Officer, Khalari , Mandar and Burmu regarding religious places of importance is enclosed as Annexure 1

This is for your kind information and necessary action

Yours faithfully

19/8/21

Project Officer
KDH OCP
N.K Area, Dakra

Annexure: As mentioned.

Copy to:

1. General Manager, NK Area for kind information.
2. HOD (E&F), CCL
3. SO(P&P), NK Area

Annexure-I

कार्यालय अंचल अधिकारी खलारी, राँची।

पत्रांक 278 (ii)

प्रेषक,

अंचल अधिकारी,
खलारी, राँची।

सेवा में,

Project Officer
KDH
NK Area. Dakra।

खलारी,दिनांक 04/06/21

विषयः- **खलारी अंचल अन्तर्गत CA धार्मिक स्थल से संबंधित जाँच प्रतिवेदन के संबंध में।**

प्रसंगः- आपका पत्रांक **Po/KDH/FC/2021-22/49**, दिनांक **25/05/2021**

महाशय,

उपर्युक्त विषय के संबंध में कहना है कि खलारी अंचल अन्तर्गत CA धार्मिक स्थल प्रतिवेदन राजस्व उप निरीक्षक एंव अंचल निरीक्षक से प्राप्त है। प्रतिवेदन विहित प्रपत्र में संलग्न कर भेजी जा रही है।

क्र. स.	मौजा	थाना नं.	खाता नं.	प्लॉट नं.	कुल रकबा	किस्म	खतियानी विवरण	पंजी ॥ रैयत का नाम, भाग/पृष्ठ सं., रकबा(एकड़ में)	अभियुक्ति
1.	विश्रामपुर	15	41	399	102.00	मंझोला जंगल	गैरमजरूआ खास	1. भभीखन कहार, 1/54, 2.03 2. जठी देवी, 1/56, 4.18 3. जीवरैल मिंया, 1/81, 3.22 4. परमेश्वर साव, 2/54, 2.00 5. सर्वजित यादव, 2/55, 2.00 6. सुशिल कु. सिंह, 2/56, 2.00 7. अंकित राज, 2/57, 1.00 8. सोमित राज, 2/58, 1.00 9. जमन खान, 2/59, 4.00 10. हुसैन अंसारी, 2/72, 2.00 11. विराजमनी देवी, 2/73, 2.00 12. जगन्नाथ सिंह, 2/93, 2.02 13. महेन्द्र कु. सिंह, 2/95, 2.04 14. सुन्दर सिंह, 2/96,3.36 15. जंग बहादुर सिंह, 2/97, 2.03 16. रघु गंझू, 2/106, 4.51 17 महादेव गंझू, 2/109, 2.15 18. पचु साव, 2/110, 2.30 19. कामेश्वर मिश्रा, 2/120, 3.10 20. सरस्वती देवी, 2/125, 3.65	खतियान के अनुसार धार्मिक संरचना नहीं है।

Aman
4/6/21

परियोजना पदाधिकारी
के0डी0एच0 / करकट्टा
Agent/Project Officer
KDH/Karkatta

2.		15	41	408	1.31	जंगल झाड़ी	गैरमजरूआ खास		खतियान के अनुसार धार्मिक संरचना नहीं है।
3.		15	41	435	0.08	जंगल झाड़ी	गैरमजरूआ खास		खतियान के अनुसार धार्मिक संरचना नहीं है।
4.		15	41	443	0.08	जंगल झाड़ी	गैरमजरूआ खास		खतियान के अनुसार धार्मिक संरचना नहीं है।
5.		15	41	553	10.80	डाड़ी	गैरमजरूआ खास	1. लखुवा तुरी, 1/101, 0.50 2. वृजकस सिंह, 2/1, 2.00 3. मो. सहोदरी देवी, 2/144, 0.25 4. नागेश्वर महतो, 2/68, 2.00 5. नजिबुल्लाह अंसारी, 2/69, 2.00 6. अमीरूधीन अंसारी, 2/70, 2.00 7. वसीम अकरम, 2/71, 2.00	खतियान के अनुसार धार्मिक संरचना नहीं है।
6.		15	41	577	2.15	जंगल झाड़ी	गैरमजरूआ खास	1. तुलसी यादव, 1/133, 0.40 2. नेरका मियां, 2/74, 2.28	खतियान के अनुसार धार्मिक संरचना नहीं है।
7.		15	41	366	84.00	मझोला जंगल	गैरमजरूआ खास	1. महादेव गंझू, 1/24, 3.00	खतियान के अनुसार धार्मिक संरचना नहीं है।
8.		15	41	516	103.00	जंगल झाड़ी	गैरमजरूआ खास	1. धीरू भोगता, 1/9, 2.34 2. रेंगटा भोगता, 1/10, 1.70 3. धनुवा भोगता, 1/11, 1.64	खतियान के अनुसार धार्मिक

19/01/21

परियोजना पदाधिकारी
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KDH/Karkatta

झारखण्ड सरकार
GOVERNMENT OF JHARKHAND

								4. धनुवा भोगता, 1/12, 4.58 5. शिकारी भोगता, 1/13, 5.50 6. कैला भोगता, 1/14, 4.95 7. पेका भोगता, 1/15, 2.34 8. सखवा उराँव, 1/17, 4.45 9. पारिस प्रिस्ट, 1/27, 2.50 10. दसईयाँ भोगता, 1/49, 4.00 11. जैनीलाल, 1/51, 2.00 12. ललु गंझू, 1/80, 0.80 13. रामजन्म सिंह, 1/85, 2.80 14. शिवदयाल सिंह, 2/43, 0.77 15. रामबिलास साहु, 2/94, 1.98 16. कमला देवी, 2/104, 2.10 17. बन्धु गंझू, 2/107, 4.20 18. बाबुलाल साव, 2/108, 2.25 19. सोमर गंझू, 2/111, 2.48 20. जिरामनी देवी, 2/115, 2.10 21. सोमा उराँव, 2/121, 2.14 22. फोलेश उराँव, 2/123, 1.98	संरचना नहीं है।
9.	करकट्टा	06	26	158	33.50	जंगल झाड़ी	गैरमजरूआ खास	1. राजकुमार साव, 1/64, 0.60 2. वकील राम, 1/81, 2.05 3. कुलदीप राम, 2/68, 0.32 ½ 4. कोइली रान, 2/73, 0.06 5. सुरेश राम, 2/74, 0.01 6. राजमनी देवी, 0.0 ¼ 7. बबलु साव वगै., 2/84, 0.05	खतियान के अनुसार धार्मिक संरचना नहीं है।
10.		06	26	161	42.00	जंगल झाड़ी	गैरमजरूआ खास	1. जोसेफ डहंगा, 1/32, 2.68 2. गया सिंह, 1/57, 4.15	खतियान के अनुसार

परियोजना पदाधिकारी
के०डी०एच० / करकटा
Agent/Project Officer
KDH/Karkatta

								3. झुबलु उराँव, 1/59, 1.15 4. श्यामदेव महतो, 1/65, 2.40 5. रामरतन सिंह, 1/69, 2.00 6. ललन सिंह, 2/19, 2.15 7. आशिष सिंह, 2/28, 2.19 8. राजमनी सिंह, 2/32, 2.00 9. श्यामदेव महतो, 2/35, 4.00	धार्मिक संरचना नहीं है।
11.		06	26	184	100.75	जंगल झाड़ी	गैरमजरूआ खास	1. जोसेफ डहंगा, 1/32, 2.68 2. सुधिर कु. राय, 1/33, 1.00 3. राजकुमार सिंह, 1/34, 2.05 4. ललन प्रसाद सिंह, 1/35, 1.10 5. रणविजय सिंह, 1/37, 1.05 6. विलास भूइयाँ, 1/47, 2.71 7. शिकारी मुण्डा, 1/54, 2.70 8. फजहतीया भोगता, 1/70, 2.15 9. भुटका भोगता, 1/71, 2.10 10. भगन गंझू, 1/72, 4.50 11. सहदेव सिंह, 1/73, 2.95 12. रामदास सिंह, 1/75, 1.20 13. इसराइल अंसारी, 1/79, 2.24 14. दिनेश प्रसाद शर्मा, 2/20, 2.10 15. रणविजय सिंह, 2/27, 1.00 16. विरेन्द्र सिंह, 2/38, 2.00 17. रामकुमार यादव, 2/58, 2.17 18. लखी देवी, 2/59, 2.95 19. गौरी देवी, 2/80, 2.00 20. दशरथ उराँव, 2/81, 0.28	खतियान के अनुसार धार्मिक संरचना नहीं है।

Aman
19/8/21

परियोजना पदाधिकारी
के0डी0एच0 / करकटा
Agent/Project Officer
KDH/Karkatta

झारखण्ड सरकार
GOVERNMENT OF JHARKHAND

12.		06	26	204	97.00	जंगल झाड़ी	गैरमजरूआ खास	1. सुशिला देवी, 2/64, 2.14 2. जिरहुलिया देवी, 2/64, 2.29 3. ननका साव, 2/66, 2.20 4. गणशी देवी, 2/77, 0.30 5. एतवरिया मुण्डाइन, 2/82, 0.15 6. सुमरी मुणडाइन, 2/83, 0.71	खतियान के अनुसार धार्मिक संरचना नहीं है।
13.		06	26	347	72.50	जंगल झाड़ी	गैरमजरूआ खास	1. सुधिर कुमार राय, 2/13, 1.00 2. राजकुमार सिंह, 2/14, 2.00 3. ललन प्रसाद सिंह, 2/15, 1.00 4. गजेन्द्र प्रसाद, 1/50, 5.16 5. दिनेश प्रसाद शरमा, 2/20, 2.00 6. विरेन्द्र सिंह, 2/38, 2.00 7. शिलावती देवी, 2/57, 2.90 8. बिगुवा गंझू, 2/60, 2.14 9. शिबु महतो, 2/61, 2.12 10. पैरो देवी, 2/62, 2.10	खतियान के अनुसार धार्मिक संरचना नहीं है।
14.	मायापुर	07	63	275	72.50	जंगल झाड़ी	गैरमजरूआ मालिक	1. कलपु गंझू पिता जैनाथ गंझू, 1/184, 4.00	खतियान के अनुसार धार्मिक संरचना नहीं है।
15.		07	63	276	109.50	जंगल झाड़ी	गैरमजरूआ मालिक,	1. ललकी गौझईन पिता महतु गंझू, 1/73, 5.00	खतियान के अनुसार धार्मिक संरचना नहीं है।
16.		07	63	280	78.00	जंगल झाड़ी	गैरमजरूआ मालिक,	1. किसना गंझू वगै. पिता मादे गंझू , 1/127, 0.90 2. बिरबल गंझू पिता महतुब गंझू, 1/174, 5.00	खतियान के अनुसार धार्मिक संरचना

19/6/12

परियोजना पदाधिकारी
के०डी०एच० / करकटा
Agent/Project Officer
KDH/Karkatta

								3. सुदामा साहु वगै. पिता सागर साहु, 1/175, 3.45 **4.** मुकरा मुण्डा पिता सिटु मुण्डा, 1/179, 3.75	नहीं है।
17.		07	63	327	46.50	जंगल झाड़ी	गैरमजरूआ मालिक	**1.** इगनस बाड़ा पिता ठुठ बाड़ा, 1/133, 5.70	खतियान के अनुसार धार्मिक संरचना नहीं है।

कृपया प्राप्ति स्वीकार की जाय।

19/6/14

परियोजना पदाधिकारी
के0डी0एच0 / करकटा
Agent/Project Officer
KDH/Karkatta

विश्वासभाजन

अंचल अधिकारी,
खलारी, राँची।

कार्यालय अंचल अधिकारी, माण्डर, राँची।

पत्रांक– 446(ii)
दिनांक– 12/06/021

प्रेषक,

अंचल अधिकारी,
माण्डर, राँची।

सेवा में,

परियोजना पदाधिकारी,
KDH OCP,
NK Area, डकरा।

विशय :– मौजा हातमा के प्रस्तावित भूमि में धार्मिक स्थल से संबंधित जाँच प्रतिवेदन।

प्रसंगः– जनरल मैनेजर C.C.L नार्थ कर्नपुरा एरिया के पत्रांक– 263/20-21, दिनांक– 23.03.2021

महाशय,

उपर्युक्त विषय के एवं प्रसंग के संबंध में इस अंचल का निम्नवत जाँच प्रतिवेदन हैं:–

कमांक	**ग्राम का नाम**	**थाना संख्या**	**खाता संख्या**	**प्लॉट संख्या**	**रकबा**	**जमीन का किस्म**	**स्थानीय पूछताछ के अनुसार**	**अभियुक्त**
1	2	3	4	5	6	7	8	9
1.	हातमा	38	140	585	28.95 ए0	गै0 खास जंगल झाडी	धार्मिक स्थल नहीं	सखुआ जंगल
				587	15.87 ए0	गै0 खास जंगल झाडी	धार्मिक स्थल नहीं	सखुआ जंगल
				612	5.86 ए0	गै0 खास जंगल झाडी	चेडी स्थल (धार्मिक स्थल)	लगभग 0.80 ए0 छोंडकर

19/6/21

परियोजना पदाधिकारी
के०डी०एच० / करकटा
Agent/Project Officer
KDH/Karkatta

Receive

[illegible]

— क्र० पृ० ३२ —

				1135	3.68 ए0	गै0 खास जंगल झाडी	धार्मिक स्थल नहीं	सखुआ जंगल
			164	531	7.97 ए0	भुईहरी	जनजातीय धार्मिक कृत्यों के निष्पादनार्थ पाहन को प्रदत भूमि। जो अहस्तांतरणीय होता हैं।	लगान पाने वाला देवनाथ पाहन।

प्रतिवेदन समर्पित।

विश्वासभाजन,
11.6.21
अंचल अधिकारी,
माण्डर, राँची।
11/6/21

19/6/21
परियोजना पदाधिकारी
के0डी0एच0 / करकट्टा
Agent/Project Officer
KDH/Karkatta

कार्यालय, अंचल अधिकारी,बुढमू (राँची)

Email ID:coburmu-ranchi@jharkhandmail.gov.in

पत्रांकः– 217(ii)

दिनांकः– 07/06/21

प्रेषक,

अंचल अधिकारी,
बुढ़मू।

प्रेषित,

Project Officer,
KDH OCP,
NK Area Dakra,
P.O- Dakra, Dist- Ranchi

विषयः– Regarding certification of religious Place of importance in the Area.

प्रखण्डः– Ref. No- PO/KDH/Certification/2020-21/264 Dated- 23-03-21

महाशय,

उपर्युक्त विषयक प्रसंगाधीन पत्र के आलोक में बुढ़मू अंचल अन्तर्गत ग्राम–कोटारी का स्थल का जाँच प्रतिवेदन राजस्व उप निरीक्षक/अंचल निरीक्षक द्वारा कराया गया है। जमीन सार्वजनिक, धार्मिक स्थल पर नहीं है। जाँच प्रतिवेदन इस पत्र के साथ संलग्न कर भेजी जा रही है।

अनुलग्नकः– यथोक्त।

विश्वासभाजन

BDW.
07/06/2021

अंचल अधिकारी,
बुढ़मू।

17/6/21

परियोजन
के0डी0एच0 /
Agent/Project Officer
KDH/Karkatta

सेवा में,

अंचलाधिकारी
कुदमु

विषय - मौजा कोतारी थाना सं० 66 के खाता सं० 59 प्लाट नं० 2, 92, 1
163, 556, 566, 854, का जाँच प्रतिवेदन।

महाशय,

उपर्युक्त भूमि का मिलान आर एस खतियान से मिलान किया गया जो निम्न प्रकार है।

मौजा	खाता सं०	प्लाट सं०	खतियान के अनुसार रकबा एवं किस्म जमीन		मह्ये रकबा कुल	
			रकबा	किस्म जमीन		
कोतारी	59	2	26.00 ए०	जंगल झाड़ी	4.52 ए०	
"	"	92	57.00 ए०	जंगल झाड़ी	89.24 ए०	
"	"	136	180.39 ए०	जंगल झाड़ी		
"	"	163	32.50 ए०	जंगल झाड़ी		
"	"	566	17.50 ए०	जंगल झाड़ी		
"	"	556	23.62 ए०	जंगल झाड़ी	3.91 ए०	
"	"	854	21.50 ए०	जंगल झाड़ी	6.49 ए०	
					104.16 एकड़	

स्थानीय जाँच के क्रम में ग्रामिणों द्वारा बतलाया गया कि आवेदित भूमि में सार्वजनिक धार्मिक स्थल नहीं है। अत: जाँच प्रतिवेदन समर्पित।

03/6/2021
रा० उ० नि०
हल्का सं० VIII

अं० अ०
रा० उ० नि० के जाँच
प्रतिवेदन के आलोक में
आवश्यक कार्रवाई
हेतु अग्रसारित।
5/6/21
अं० नि०

19/6/21
परियोजना पदाधिकारी
के०डी०एच० / करकटा
Agent/Project Officer
KDH/Karkatta

Annexure - 2

File No. T-19/38/Sep/19/1409184/NAP 1132
Government of India
Archaeological Survey of India
Ranchi Circle, Jain Villa
Near Guru Nanak School
P.P. Compound, Ranchi - 834001

Dated: 19/03/2021

To,
The Director General
Archaeological Survey of India
Dharohar Bhawan,
24, Tilak Marg, New Delhi – 01

Kind Attention: The Joint Director General (Monument)

Subject: Submission of exploration report for the areas under Ranchi and Chatra districts of Jharkhand, proposed for open cast coal mining by CCL- regarding

Madam/Sir,

With reference to 02 letters from Project Officer KDH OCP, NK area, Dakra, CCL vide letter No. PO/KDH/2020/123 dated 22.09.2020 and from Project Officer Purnadih OCP, NK area, Dakra, CCL vide letter No. PO/PND/20-21/655 dated 23.09.2020 respectively, wherein it is requested by CCL to ASI to ascertain the archaeological importance in the areas proposed for deforestation and aforestation, in compliance of instructions from Ministry of Environment, Forest and Climate Change (Forest Conservation Division), Govt. of India, vide F. No. 8-61/2018-FC dated 22.08.2019 (copy enclosed as annexture I (b) & II (b) with the report). Accordingly the technical team of Ranchi Circle of ASI explored thoroughly the area proposed for deforestation for the purpose of mining of CCL and found *prima facie* that no archaeological remains is present over the ground in the said areas. Further, CCL has given undertaking that if any object/structure of archaeological importance comes to their notice during above said operations, the matter will be brought to the attention of ASI immidately (Annexture III & IV with the report). Hence Clarence to the CCL from the side of ASI may be considered. The report is being enclosed herewith for kind perusal and necessary action please.

This is for your kind information please.

Yours faithfully,

-Sd-

Superintending Archaeologist (I/c)

Copy to:

1. The Regional Director (Eastern Region), Archaeological Survey of India, Currency Building, 1, B.B.D Bag, Kolkata – 700001 (WB)
2. The Project Officer, KDH OCP, NK area, Dakra, District Ranchi, Jharkhand
3. The Project Officer, Purnadih OCP, NK area, Dakra, District Ranchi, Jharkhand

Superintending Archaeologist (I/c)
19.3.21

19/6/21

परियोजना पदाधिकारी
के०डी०एच० / करकटा
Agent/Project Officer
KDH/Karkatta

"A maharatna company"

सेंट्रल कोलफिल्डस लिमिटेड
Central Coalfields Limited
(A Subsidiary of Coal India Limited)
Office of Project Officer, KDH Project
NORTH KARANPURA AREA
P.O. Dakra-825321, DIST: Ranchi
Jharkhand.

स्वच्छ भारत
एक कदम स्वच्छता की ओर

Ref. No: PO/KDH/Envt/2020-21/ 199 Date. 04/01/2021

To,
The Divisional Forest Officer
Ranchi Division
Van Bhavan
Ranchi

Sub: **Compliance of FAC meeting minutes held on 31.07.2019 for release of 126.72 Ha. Forest land in respect of KDH Project.**

Dear Sir,

With reference to F. No. 8-62/2018-FC-DFA-I dated 22.08.2019 the point wise clarification of minutes of FAC meeting held on 31.07.2019 is furnished below:

<table>
<tr><th>Query Point no.</th><th>Points raised</th><th>Reply</th></tr>
<tr><td>1.</td><td>State Govt shall attach necessary certificate that the area is free from encroachments & encumbrances</td><td>The forest area i.e.126.72 ha applied for forestry diversion is free from encroachments and encumbrances.

The detail of CA patches is as under:
<table>
<tr><th>Sl No.</th><th>CA Patch</th><th>Area (In Ha)</th></tr>
<tr><td>1</td><td>Hatma</td><td>70.00</td></tr>
<tr><td>2</td><td>Kotari</td><td>104.00</td></tr>
<tr><td>3</td><td>Mayapur</td><td>80.00</td></tr>
<tr><td></td><td>Total</td><td>254.00</td></tr>
</table>
The Compensatory area is free from encroachments and encumbrances.
Copy of DGPS of the forest land and CA patches is attached as annexure A1
Copy of KML files of forest land and CA patches is attached as annexure A2</td></tr>
<tr><td>2.</td><td>State Government shall submit necessary certificate to confirm whether the site selected for non-</td><td>The project area of KDH OCP and compensatory afforestation site does not contain any important Religious/Archaeological site.</td></tr>
</table>

Project Officer
K.D.H. Project

<table>
<tr><td></td><td>forest use and also for compensatory afforestatation is import-ant from Religious / Archaeological point of view or not.</td><td>Letter to Archaeological Survey of India , Ranchi Division regarding the same has been submitted. Copy attached as Annexure B As soon as the certificate is communicated from ASI Ranchi the same will be submitted.
Letter to Circle Officer, Khalari Block regarding the certificate to confirm whether the site selected for non-forest use and also for compensatory afforestatation is important from Religious point of view has been submitted. Copy attached as annexure C
As soon as the certificate is communicated from Circle Officer, Khalari Block the same will be submitted</td></tr>
<tr><td>3</td><td>Status of Safety zone may be clarified by State Govt</td><td>1.77 Ha of forest land is earmarked as safety zone for the forest proposal of 126.72 Ha. The details of safety [illegible] as mentioned in FORM A utilization is given below:
<table>
<tr><th>Sl No.</th><th>Component</th><th>Forest Land</th><th>Non Forest Land</th></tr>
<tr><td>1</td><td>Quarry</td><td>124.95</td><td>30.38</td></tr>
<tr><td>2</td><td>Safety Zone</td><td>1.77</td><td>0</td></tr>
<tr><td>3</td><td>Green Belt</td><td>0</td><td>1.12</td></tr>
<tr><td colspan="2">TOTAL</td><td>126.72</td><td>31.5</td></tr>
</table>
A map depicting the safety zone is enclosed as annexure D</td></tr>
<tr><td>4</td><td>Cost Benefit Ratio shall be calculated as per MoEF&CC guideline dated 01.08.2017.</td><td>Cost Benefit ratio as per MoEF&CC guideline dated 01.08.2017 is enclosed herewith as Annexure E.</td></tr>
<tr><td>5</td><td>State Government shall provide details about the gaps/shortfall observed in the process of reclamation of the mined area by CCL in other mines within the state.</td><td>Reclamation includes technical reclamation (backfilling) and biological reclamation i.e. plantation on backfilled area.
About 198 Ha of excavated area in KDH OCP has already been backfilled & plantation over 185.88 Ha (biological) has also been completed.
The reclamation status of CCL is enclosed as Annexure F.</td></tr>
<tr><td>6</td><td>State Govt shall furnish status of the areas for which as reported there are approvals of forest area obtained in 1996 & 2009</td><td>The status of forest land for which approvals have been obtained in 1996 and 2009 are as follows:
<table>
<tr><th colspan="8">Forest Land (area in ha)</th></tr>
<tr><th rowspan="2">Sl. No</th><th rowspan="2">SO no/ LA no</th><th rowspan="2">Forest</th><th rowspan="2">Forest land broken</th><th rowspan="2">Unbroken</th><th rowspan="2">Forest Land used in Infrastructre</th><th colspan="2">Reclamation status</th></tr>
<tr><th>Technical</th><th>Biological</th></tr>
<tr><td>1</td><td>8-79/90-FC dt 01.07.1996</td><td>101.41</td><td>75.00</td><td>26.41</td><td>10.00</td><td>60.00</td><td>55.00</td></tr>
</table></td></tr>
</table>

Project Officer
K.D.H. Project

<table>
<tr><td></td><td></td><td><table><tr><td>2</td><td>8-79/90-FC dt 14.09.2006</td><td>28.95</td><td>25.60</td><td>3.35</td><td>2.00</td><td>7.00</td><td>7.00</td></tr></table></td></tr>
<tr><td>7</td><td>State Govt may further clarify if the User agency had paid NPV for entire forest area within the project/lease area as per different guidelines of MoEF&CC or not.</td><td>The details of NPV paid is as follows:
<table>
<tr><th>Proposal</th><th>Total Forest ,Land (ha)</th><th>Notified Forest land (ha)</th><th>GM JJ (ha)</th><th>Details of NPV paid</th></tr>
<tr><td>Already diverted vide MoEF&CC file 8-79/1990-FC(Vol. I) dated 26.10.2009</td><td>28.95</td><td>28.95</td><td>0</td><td>An amount of Rs. 22040590/- has already been paid vide DD no. 079235 dtd. 23.10.2006</td></tr>
<tr><td>Already diverted vide MoEF&CC file 8-79/90-FC dated 01.7.1996</td><td>101.41</td><td>101.41</td><td>0</td><td>An amount of Rs. 2,84,34,305.00 has already been paid in respect of 101.41 Ha.</td></tr>
<tr><td>Current proposal</td><td>126.72</td><td>84.35</td><td>42.35</td><td>The NPV payment for Rs. 79326720 of KDH project is a part payment of Rs. 220 crores paid on 31.03.2016, vide RTGS to CAF AC JHARKHAND ACCOUNT NO. 037100101025212, IFSC Code CORP0000371 and NEFT for Rs 41,439 to CAF AC JHARKHAND ACCOUNT NO. 037100101025212, IFSC Code</td></tr>
</table></td></tr>
</table>

Project Officer
K.D.H. Project

						CORP0000371 which was made for thirteen different projects.
		Balance forest land to be applied	248.81	199.34	49.47	CCL undertakes to pay the NPV of remaining forest land as per the claim of state government and the orders of Hon'ble Supreme court.
		The details of payments are attached as annexure G				
8	State Govt shall prepare a comprehensive proposal for diversion of entire forest land under the provisions of FCA 1980 within the project/lease area.	Comprehensive proposal for diversion of entire forest land i enclosed herewith as Annexure H.				

This is for your kind information and necessary action

Yours faithfully

Project Officer
KDH OCP
N.K Area, Dakra

Annexure: As mentioned.

Copy to:

1. General Manager, NK Area for kind information.
2. HOD (E&F), CCL
3. SO(P&P), NK Area
4. O/C

Project Officer
K.D.H. Project

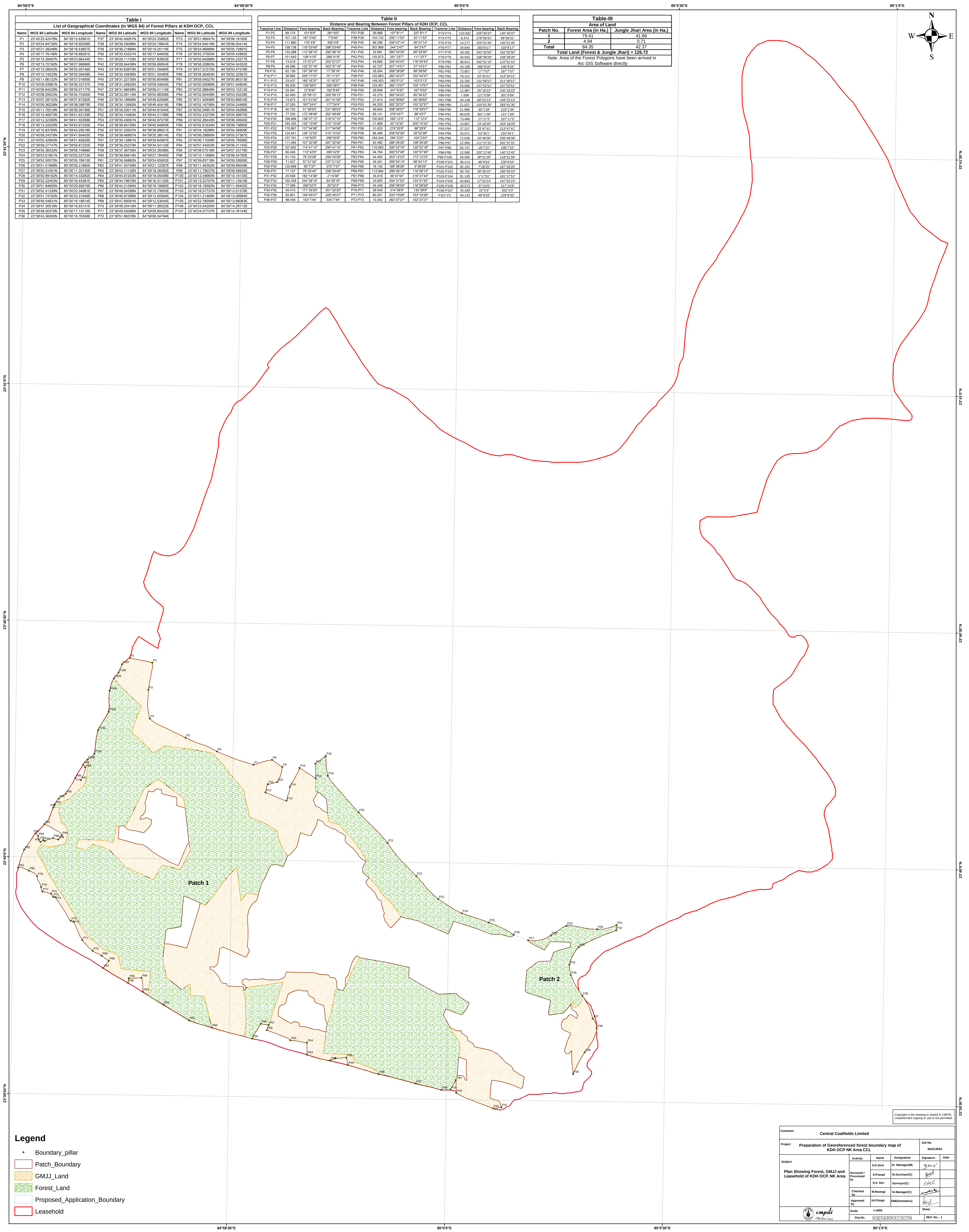

Table I

List of Geographical Coordinates (in WGS 84) of Forest Pillars at KDH OCP, CCL

Name	WGS 84 Latitude	WGS 84 Longitude	Name	WGS 84 Latitude	WGS 84 Longitude	Name	WGS 84 Latitude	WGS 84 Longitude
P1	23°40'25.42478N	84°59'15.83981E	P37	23°39'40.49261N	85°00'20.25882E	P73	23°39'51.96947N	84°59'08.19185E
P2	23°40'24.84726N	84°59'18.92558E	P38	23°39'39.29088N	85°00'20.79843E	P74	23°39'54.94519N	84°59'06.00414E
P3	23°40'21.39246N	84°59'18.43857E	P39	23°39'36.21889N	85°00'19.20119E	P75	23°39'54.98988N	84°59'05.70891E
P4	23°40'17.76146N	84°59'18.68281E	P40	23°39'33.43321N	85°00'17.64830E	P76	23°39'55.37593N	84°59'05.42882E
P5	23°40'15.39497N	84°59'23.66434E	P41	23°39'29.11153N	85°00'07.83903E	P77	23°39'55.64088N	84°59'04.23277E
P6	23°40'13.70192N	84°59'27.99696E	P42	23°39'28.94436N	85°00'06.69954E	P78	23°39'56.20863N	84°59'04.04352E
P7	23°40'12.09042N	84°59'33.05749E	P43	23°39'30.83870N	85°00'01.59480E	P79	23°39'57.57275N	84°59'03.47578E
P8	23°40'12.74523N	84°59'35.59458E	P44	23°39'32.45836N	85°00'01.50480E	P80	23°39'58.26463N	84°59'02.32957E
P9	23°40'11.86122N	84°59'37.01695E	P45	23°39'31.22730N	85°00'00.80499E	P81	23°39'58.64027N	84°59'00.86313E
P10	23°40'09.93981N	84°59'36.33737E	P46	23°39'31.20825N	84°59'59.54845E	P82	23°40'00.93089N	84°59'01.64804E
P11	23°40'09.64229N	84°59'35.07177E	P47	23°39'31.96638N	84°59'56.01115E	P83	23°40'02.98948N	84°59'03.15313E
P12	23°40'08.59523N	84°59'34.75300E	P48	23°39'33.09114N	84°59'50.88306E	P84	23°40'02.65456N	84°59'03.55226E
P13	23°40'07.59742N	84°59'37.67282E	P49	23°39'34.18669N	84°59'46.62956E	P85	23°40'01.92948N	84°59'03.86610E
P14	23°40'09.36228N	84°59'38.09879E	P50	23°39'35.12692N	84°59'46.40418E	P86	23°40'02.16756N	84°59'04.24485E
P15	23°40'11.76319N	84°59'39.39136E	P51	23°39'35.03011N	84°59'44.91544E	P87	23°40'02.04851N	84°59'04.45589E
P16	23°40'10.46973N	84°59'41.63129E	P52	23°39'34.74483N	84°59'44.21798E	P88	23°40'02.43270N	84°59'05.58675E
P17	23°40'12.32390N	84°59'41.55358E	P53	23°39'35.43061N	84°59'40.97570E	P89	23°40'02.26443N	84°59'06.30640E
P18	23°40'13.33250N	84°59'42.97230E	P54	23°39'36.94726N	84°59'40.94850E	P90	23°40'02.81634N	84°59'06.79880E
P19	23°40'10.83780N	84°59'43.29518E	P55	23°39'37.20937N	84°59'38.66621E	P91	23°40'04.18286N	84°59'04.36909E
P20	23°40'06.24378N	84°59'47.60405E	P56	23°39'38.46867N	84°59'35.38014E	P92	23°40'06.29890N	84°59'05.57367E
P21	23°40'02.42693N	84°59'51.65929E	P57	23°39'39.12881N	84°59'35.64997E	P93	23°40'06.71009N	84°59'05.76956E
P22	23°39'58.27747N	84°59'55.67225E	P58	23°39'39.25373N	84°59'34.54133E	P94	23°40'07.44503N	84°59'06.31145E
P23	23°39'55.38332N	84°59'58.74868E	P59	23°39'37.36735N	84°59'33.39388E	P95	23°40'08.07518N	84°59'07.25776E
P24	23°39'53.61851N	85°00'02.03723E	P60	23°39'38.69810N	84°59'27.78495E	P96	23°40'10.11698N	84°59'08.54780E
P25	23°39'52.50575N	85°00'05.76913E	P61	23°39'39.56882N	84°59'24.65952E	P97	23°40'09.83718N	84°59'09.29926E
P26	23°39'51.01969N	85°00'09.21665E	P62	23°39'41.50759N	84°59'21.12287E	P98	23°40'11.46392N	84°59'09.89049E
P27	23°39'50.31451N	85°00'11.20130E	P63	23°39'43.11135N	84°59'18.26482E	P99	23°40'11.79037N	84°59'09.59934E
P28	23°39'50.99192N	85°00'14.33282E	P64	23°39'44.87253N	84°59'18.05008E	P100	23°40'12.44665N	84°59'10.18135E
P29	23°39'52.22453N	85°00'16.45381E	P65	23°39'44.79670N	84°59'16.31132E	P101	23°40'13.22707N	84°59'11.13910E
P30	23°39'51.84695N	85°00'20.69579E	P66	23°39'44.21594N	84°59'16.19982E	P102	23°40'16.19592N	84°59'11.58402E
P31	23°39'52.41330N	85°00'23.34981E	P67	23°39'46.04298N	84°59'12.73950E	P103	23°40'18.57737N	84°59'13.01579E
P32	23°39'51.74702N	85°00'23.31649E	P68	23°39'46.97368N	84°59'13.50594E	P104	23°40'21.21469N	84°59'13.09994E
P33	23°39'49.54831N	85°00'18.18614E	P69	23°39'47.60091N	84°59'12.53045E	P105	23°40'22.78006N	84°59'13.66063E
P34	23°39'47.30516N	85°00'16.93131E	P70	23°39'48.20416N	84°59'11.26525E	P106	23°40'23.54255N	84°59'14.29712E
P35	23°39'46.00370N	85°00'17.13119E	P71	23°39'49.55088N	84°59'09.80425E	P107	23°40'24.57737N	84°59'14.76144E
P36	23°39'43.38300N	85°00'18.76358E	P72	23°39'51.89378N	84°59'08.54764E			

Table II

Distance and Bearing Between Forest Pillars of KDH OCP, CCL

Traverse Line	Distance	Fore-bearing	Back Bearing	Traverse Line	Distance	Fore-bearing	Back Bearing	Traverse Line	Distance	Fore-bearing	Back Bearing
P1-P2	89.174	101°6'0"	281°6'0"	P37-P38	39.986	157°8'11"	337°8'11"	P73-P74	110.502	325°30'37"	145°30'37"
P2-P3	107.120	187°0'40"	7°0'40"	P38-P39	104.732	205°11'52"	25°11'52"	P74-P75	8.473	278°56'31"	98°56'31"
P3-P4	111.860	176°4'8"	356°4'8"	P39-P40	96.286	206°47'14"	26°47'14"	P75-P76	14.277	325°51'45"	145°51'45"
P4-P5	158.738	116°53'49"	296°53'49"	P40-P41	307.969	244°2'47"	64°2'47"	P76-P77	34.840	283°8'17"	103°8'17"
P5-P6	133.288	112°36'10"	292°36'10"	P41-P42	32.681	260°33'30"	80°33'30"	P77-P78	18.262	342°32'50"	162°32'50"
P6-P7	151.640	108°41'6"	288°41'6"	P42-P43	155.873	291°33'7"	111°33'7"	P78-P79	44.920	338°38'29"	158°38'29"
P7-P8	74.619	73°57'27"	253°57'27"	P43-P44	49.866	356°40'43"	176°40'43"	P79-P80	38.812	302°51'10"	122°51'10"
P8-P9	48.596	123°37'19"	303°37'19"	P44-P45	42.727	207°14'51"	27°14'51"	P80-P81	43.108	285°9'25"	105°9'25"
P9-P10	62.136	197°39'19"	17°39'19"	P45-P46	35.594	268°39'56"	88°39'56"	P81-P82	73.857	17°7'57"	197°7'57"
P10-P11	36.992	255°17'37"	75°17'37"	P46-P47	102.863	282°42'27"	102°42'27"	P82-P83	76.312	33°34'21"	213°34'21"
P11-P12	33.437	195°16'37"	15°16'37"	P47-P48	149.303	283°0'13"	103°0'13"	P83-P84	15.292	131°56'57"	311°56'57"
P12-P13	88.200	109°58'5"	289°58'5"	P48-P49	125.091	285°13'57"	105°13'57"	P84-P85	24.000	157°52'51"	337°52'51"
P13-P14	55.591	12°8'40"	192°8'40"	P49-P50	29.606	347°9'32"	167°9'32"	P85-P86	12.987	55°18'23"	235°18'23"
P14-P15	82.400	25°59'13"	205°59'13"	P50-P51	42.270	265°34'22"	85°34'22"	P86-P87	7.008	121°5'59"	301°5'59"
P15-P16	74.872	121°41'50"	301°41'50"	P51-P52	21.614	245°39'60"	65°39'60"	P87-P88	34.136	69°22'13"	249°22'13"
P16-P17	57.055	357°24'4"	177°24'4"	P52-P53	94.220	282°32'37"	102°32'37"	P88-P89	21.027	103°51'35"	283°51'35"
P17-P18	50.755	51°56'53"	231°56'53"	P53-P54	46.640	358°39'57"	178°39'57"	P89-P90	21.965	39°1'34"	219°1'34"
P18-P19	77.250	172°48'46"	352°48'46"	P54-P55	65.141	276°43'7"	96°43'7"	P90-P91	80.625	301°1'26"	121°1'26"
P19-P20	186.668	138°47'15"	318°47'15"	P55-P56	100.802	292°12'4"	112°12'4"	P91-P92	73.466	27°17'3"	207°17'3"
P20-P21	164.205	135°13'49"	315°13'49"	P56-P57	21.689	20°14'32"	200°14'32"	P92-P93	13.807	23°18'29"	203°18'29"
P21-P22	170.867	137°54'58"	317°54'58"	P57-P58	31.633	276°35'9"	96°35'9"	P93-P94	27.317	33°47'41"	213°47'41"
P22-P23	124.541	135°12'53"	315°12'53"	P58-P59	66.486	208°52'26"	28°52'26"	P94-P95	33.071	53°45'1"	233°45'1"
P23-P24	107.791	119°50'9"	299°50'9"	P59-P60	164.044	284°3'24"	104°3'24"	P95-P96	72.638	29°48'39"	209°48'39"
P24-P25	111.094	107°32'46"	287°32'46"	P60-P61	92.480	286°26'26"	106°26'26"	P96-P97	22.956	111°37'31"	291°37'31"
P25-P26	107.802	114°41'14"	294°41'14"	P61-P62	116.563	300°22'18"	120°22'18"	P97-P98	52.747	18°7'22"	198°7'22"
P26-P27	60.246	110°42'9"	290°42'9"	P62-P63	94.784	300°57'49"	120°57'49"	P98-P99	12.990	320°12'45"	140°12'45"
P27-P28	91.103	76°23'28"	256°23'28"	P63-P64	54.493	353°12'23"	173°12'23"	P99-P100	26.056	38°51'26"	218°51'26"
P28-P29	71.027	57°21'32"	237°21'32"	P64-P65	49.301	266°54'13"	86°54'13"	P100-P101	36.214	48°6'54"	228°6'54"
P29-P30	120.699	95°7'37"	275°7'37"	P65-P66	18.135	189°38'26"	9°38'26"	P101-P102	92.152	7°28'25"	187°28'25"
P30-P31	77.157	76°33'45"	256°33'45"	P66-P67	112.964	299°26'12"	119°26'12"	P102-P103	83.702	28°35'23"	208°35'23"
P31-P32	20.509	182°14'38"	2°14'38"	P67-P68	35.919	36°47'44"	216°47'44"	P103-P104	81.128	1°17'51"	181°17'51"
P32-P33	160.258	244°39'19"	64°39'19"	P68-P69	33.693	304°31'52"	124°31'52"	P104-P105	50.683	17°52'23"	197°52'23"
P33-P34	77.590	206°52'3"	26°52'3"	P69-P70	40.348	296°58'59"	116°58'59"	P105-P106	29.573	37°10'6"	217°10'6"
P34-P35	40.415	171°33'20"	351°33'20"	P70-P71	58.540	314°38'9"	134°38'9"	P106-P107	34.429	22°4'3"	202°4'3"
P35-P36	92.901	149°45'47"	329°45'47"	P71-P72	80.351	333°19'26"	153°19'26"	P107-P1	40.143	49°8'33"	229°8'33"
P36-P37	98.449	154°7'44"	334°7'44"	P72-P73	10.342	282°37'21"	102°37'21"				

Table-III

Area of Land

Patch No.	Forest Area (in Ha.)	Jungle Jhari Area (in Ha.)
1	79.41	41.66
2	4.94	0.71
Total	84.35	42.37
Total Land (Forest & Jungle Jhari) = 126.72		
Note: Area of the Forest Polygons have been arrived in Arc GIS Software directly		

Legend

●	Boundary_pillar
☐	Patch_Boundary
▨	GMJJ_Land
▨	Forest_Land
☐	Proposed_Application_Boundary
☐	Leasehold

Customer	Central Coalfields Limited				
Project	Preparation of Georeferenced forest boundary map of KDH OCP NK Area CCL			Job No. 564313024	
Subject	Activity	Name	Designation	Signature	Date
Plan Showing Forest, GMJJ and Leasehold of KDH OCP, NK Area	Surveyed / Processed by	S.K.Dixit	Sr. Manager(M)		
		S.Prasad	Sr.Surveyor(C)		
		S.S. Sen	Surveyor(C)		
	Checked by	M.Rastogi	Sr.Manager(C)		
	Approved by	N.P.Singh	GM(Geomatics)		
cmpdi A Mini Ratna Company	Scale	1:4000		Sheet	
	Drg No.	HQS&DN17077A		REV. No. - 1	

Table:I

List of Geographical Co-ordinates (in WGS 84) of pillars along CA Land

Name	WGS84 Latitude	WGS84 Longitude	Name	WGS84 Latitude	WGS84 Longitude
S1	23°30'35.70063"N	85°07'17.98101"E	S28	23°30'33.98818"N	85°07'46.33100"E
S2	23°30'37.79497"N	85°07'26.70946"E	S29	23°30'34.20417"N	85°07'42.36646"E
S3	23°30'41.55696"N	85°07'28.66170"E	S30	23°30'40.62504"N	85°07'43.81004"E
S4	23°30'44.26376"N	85°07'20.31203"E	S31	23°30'43.85163"N	85°07'43.03485"E
S5	23°30'51.70196"N	85°07'21.79681"E	S32	23°30'47.98360"N	85°07'39.24074"E
S6	23°30'55.19068"N	85°07'26.25573"E	S33	23°30'51.19681"N	85°07'34.67542"E
S7	23°30'55.33506"N	85°07'34.14899"E	S34	23°30'55.30953"N	85°07'31.45124"E
S8	23°30'55.22140"N	85°07'40.37057"E	S35	23°30'50.20523"N	85°07'33.08003"E
S9	23°30'55.11165"N	85°07'46.37840"E	S36	23°30'46.45897"N	85°07'35.93028"E
S10	23°30'53.56121"N	85°07'51.10990"E	S37	23°30'44.00838"N	85°07'38.97035"E
S11	23°30'51.07466"N	85°07'53.60957"E	S38	23°30'39.19993"N	85°07'37.21359"E
S12	23°30'50.47064"N	85°08'00.36279"E	S39	23°30'37.02275"N	85°07'30.70571"E
S13	23°30'50.62689"N	85°08'05.23797"E	S40	23°30'34.68136"N	85°07'28.92112"E
S14	23°30'53.27771"N	85°08'06.41755"E	S41	23°30'31.30534"N	85°07'29.78528"E
S15	23°30'53.94486"N	85°08'10.87637"E	S42	23°30'32.74444"N	85°07'24.73131"E
S16	23°30'54.83191"N	85°08'16.69244"E	S43	23°30'34.30917"N	85°07'18.96350"E
S17	23°30'49.57282"N	85°08'16.96227"E	S44	23°30'32.80725"N	85°07'19.17479"E
S18	23°30'44.66355"N	85°08'16.41315"E	S45	23°30'29.84948"N	85°07'24.23509"E
S19	23°30'46.38332"N	85°08'09.21865"E	S46	23°30'27.44752"N	85°07'20.09283"E
S20	23°30'41.36827"N	85°08'10.28733"E	S47	23°30'31.23524"N	85°07'19.12363"E
S21	23°30'43.82016"N	85°08'02.37472"E	S48	23°30'20.50221"N	85°08'06.10690"E
S22	23°30'42.40800"N	85°07'57.20508"E	S49	23°30'22.89223"N	85°08'11.42672"E
S23	23°30'37.76282"N	85°08'01.09441"E	S50	23°30'21.34580"N	85°08'17.06178"E
S24	23°30'34.51850"N	85°08'00.90751"E	S51	23°30'17.42235"N	85°08'12.49263"E
S25	23°30'32.83672"N	85°07'53.97706"E	S52	23°30'14.17394"N	85°08'08.19770"E
S26	23°30'36.90091"N	85°07'51.12634"E	S53	23°30'14.76773"N	85°08'05.82669"E
S27	23°30'37.32891"N	85°07'47.63322"E	S54	23°30'20.30817"N	85°08'08.64401"E

Table-II

Distance and Bearing between pillars along CA Land

Traverse Line	Distance	Fore Bearing	Back bearing
S1-S2	255.887	76°9'52"	256°9'52"
S2-S3	128.311	26°19'21"	206°19'21"
S3-S4	251.104	290°7'3"	110°7'3"
S4-S5	232.687	11°10'46"	191°10'46"
S5-S6	165.902	50°26'7"	230°26'7"
S6-S7	223.982	89°36'43"	269°36'43"
S7-S8	176.544	91°52'56"	271°52'56"
S8-S9	170.480	91°52'54"	271°52'54"
S9-S10	142.460	110°18'32"	290°18'32"
S10-S11	104.314	137°54'54"	317°54'54"
S11-S12	192.494	96°17'7"	276°17'7"
S12-S13	138.397	88°45'15"	268°45'15"
S13-S14	88.154	23°3'17"	203°3'17"
S14-S15	128.154	81°31'40"	261°31'40"
S15-S16	167.247	81°21'8"	261°21'8"
S16-S17	161.980	178°2'4"	358°2'4"
S17-S18	151.838	186°37'56"	6°37'56"
S18-S19	210.862	285°16'32"	105°16'32"
S19-S20	157.242	169°37'35"	349°37'35"
S20-S21	236.826	289°19'3"	109°19'3"
S21-S22	152.969	254°14'42"	74°14'42"
S22-S23	180.555	143°4'20"	323°4'20"
S23-S24	99.955	183°47'7"	3°47'7"
S24-S25	203.324	256°0'9"	76°0'9"
S25-S26	148.916	327°50'57"	147°50'57"
S26-S27	99.977	278°18'52"	98°18'52"
S27-S28	109.219	200°31'6"	20°31'6"
S28-S29	112.677	274°7'39"	94°7'39"
S29-S30	201.745	12°27'36"	192°27'36"
S30-S31	101.676	348°15'16"	168°15'16"
S31-S32	166.576	320°29'25"	140°29'25"
S32-S33	162.938	308°5'59"	128°5'59"
S33-S34	156.133	324°53'2"	144°53'2"
S34-S35	163.696	164°21'3"	344°21'3"
S35-S36	140.794	145°41'39"	325°41'39"
S36-S37	114.559	131°54'20"	311°54'20"
S37-S38	156.106	199°22'0"	19°22'0"
S38-S39	196.414	250°48'30"	70°48'30"
S39-S40	88.050	215°51'4"	35°51'4"
S40-S41	106.720	167°27'58"	347°27'58"
S41-S42	150.071	287°54'27"	107°54'27"
S42-S43	170.579	287°8'30"	107°8'30"
S43-S44	46.596	173°21'27"	353°21'27"
S44-S45	169.981	123°6'58"	303°6'58"
S45-S46	138.828	238°35'16"	58°35'16"
S46-S47	119.733	347°28'18"	167°28'18"
S47-S48	1373.319	104°39'35"	284°39'35"
S48-S49	167.895	64°46'13"	244°46'13"
S49-S50	166.809	107°18'53"	287°18'53"
S50-S51	177.134	227°47'10"	47°47'10"
S51-S52	157.600	231°23'16"	51°23'16"
S52-S53	69.709	285°56'11"	105°56'11"
S53-S54	188.268	25°52'6"	205°52'6"
S54-S1	1513.424	288°58'52"	108°58'52"

Table: III

Plot-wise location and area of CA Land

Sl.No.	Plot No.	Chadar No	Village	Thana No.	Thana	District	Area (in Ha.)
1	612	2	Hatma	38	Mandar	Ranchi	5.86
2	587	2	Hatma	38	Mandar	Ranchi	15.87
3	585	2	Hatma	38	Mandar	Ranchi	28.95
4	1135	2	Hatma	38	Mandar	Ranchi	3.68
5	531	2	Hatma	38	Mandar	Ranchi	7.97
6	585	2	Hatma	38	Mandar	Ranchi	8.47
Total							70.80

Legend

● Pillar

▭ CA_Land

Customer

Central Coalfields Limited

Project

Preparation of Georeferenced Boundary Map of CA Land against Forest Land (126.72 Ha.) of KDH OCP CCL

Job No. 064318204

Subject

Plan Showing CA Land at
Village- Hatma
Thana: Mandar
District: Ranchi

Activity	Name	Designation	Signature	Date
Surveyed / Processed by	S.Roy	Surveyor(C)		
	S.Prasad	Sr.Surveyor(C)	Prasad	
	S.K.Dixit	Sr. Manager(M)		
Checked by	M.Rastogi	Ch.Manager(C)		
Approved by	R.Kumar	HOD (Geomatics)		

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Scale - 1:4000

Sheet No. 1 of 1

Drg No. HQS&DN19019

REV. 0

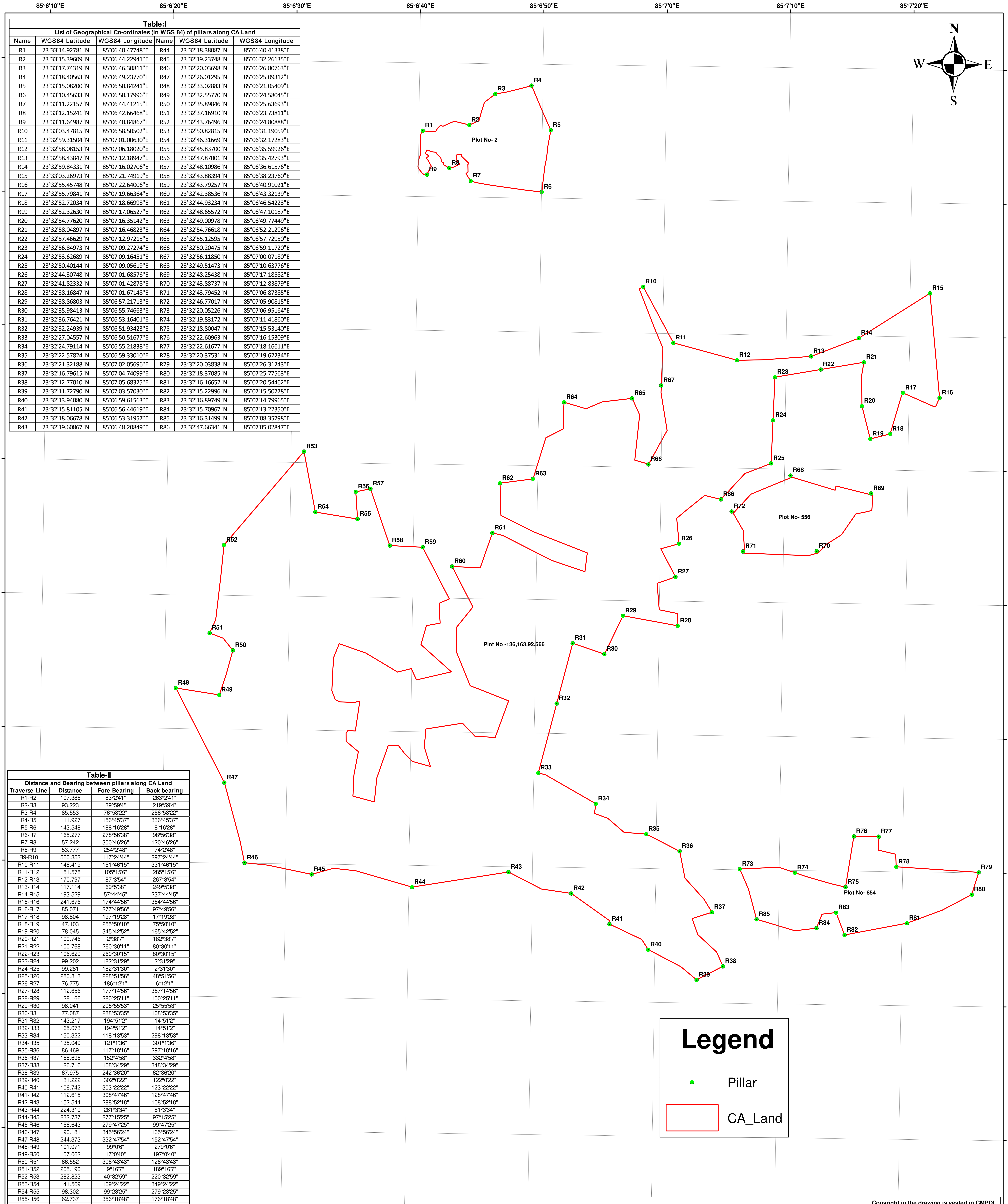

Table:I

List of Geographical Co-ordinates (in WGS 84) of pillars along CA Land

Name	WGS84 Latitude	WGS84 Longitude	Name	WGS84 Latitude	WGS84 Longitude
R1	23°33'14.92781"N	85°06'40.47748"E	R44	23°32'18.38087"N	85°06'40.41338"E
R2	23°33'15.39609"N	85°06'44.22941"E	R45	23°32'19.23748"N	85°06'32.26135"E
R3	23°33'17.74319"N	85°06'46.30811"E	R46	23°32'20.03698"N	85°06'26.80763"E
R4	23°33'18.40563"N	85°06'49.23770"E	R47	23°32'26.01295"N	85°06'25.09312"E
R5	23°33'15.08200"N	85°06'50.84241"E	R48	23°32'33.02883"N	85°06'21.05409"E
R6	23°33'10.45633"N	85°06'50.17996"E	R49	23°32'32.55770"N	85°06'24.58045"E
R7	23°33'11.22157"N	85°06'44.41215"E	R50	23°32'35.89846"N	85°06'25.63693"E
R8	23°33'12.15241"N	85°06'42.66468"E	R51	23°32'37.16910"N	85°06'23.73811"E
R9	23°33'11.64987"N	85°06'40.84867"E	R52	23°32'43.76496"N	85°06'24.80888"E
R10	23°33'03.47815"N	85°06'58.50502"E	R53	23°32'50.82815"N	85°06'31.19059"E
R11	23°32'59.31504"N	85°07'01.00630"E	R54	23°32'46.31669"N	85°06'32.17283"E
R12	23°32'58.08153"N	85°07'06.18020"E	R55	23°32'45.83700"N	85°06'35.59926"E
R13	23°32'58.43847"N	85°07'12.18947"E	R56	23°32'47.87001"N	85°06'35.42793"E
R14	23°32'59.84331"N	85°07'16.02706"E	R57	23°32'48.10986"N	85°06'36.61576"E
R15	23°33'03.26973"N	85°07'21.74919"E	R58	23°32'43.88394"N	85°06'38.23760"E
R16	23°32'55.45748"N	85°07'22.64006"E	R59	23°32'43.79257"N	85°06'40.91021"E
R17	23°32'55.79841"N	85°07'19.66364"E	R60	23°32'42.38536"N	85°06'43.32139"E
R18	23°32'52.72034"N	85°07'18.66998"E	R61	23°32'44.93234"N	85°06'46.54223"E
R19	23°32'52.32630"N	85°07'17.06527"E	R62	23°32'48.65572"N	85°06'47.10187"E
R20	23°32'54.77620"N	85°07'16.35142"E	R63	23°32'49.00978"N	85°06'49.77449"E
R21	23°32'58.04897"N	85°07'16.46823"E	R64	23°32'54.76618"N	85°06'52.21296"E
R22	23°32'57.46629"N	85°07'12.97215"E	R65	23°32'55.12595"N	85°06'57.72950"E
R23	23°32'56.84973"N	85°07'09.27274"E	R66	23°32'50.20475"N	85°06'59.11720"E
R24	23°32'53.62689"N	85°07'09.16451"E	R67	23°32'56.11850"N	85°07'00.07180"E
R25	23°32'50.40144"N	85°07'09.05619"E	R68	23°32'49.51473"N	85°07'10.63776"E
R26	23°32'44.30748"N	85°07'01.68576"E	R69	23°32'48.25438"N	85°07'17.18582"E
R27	23°32'41.82332"N	85°07'01.42878"E	R70	23°32'43.88737"N	85°07'12.83879"E
R28	23°32'38.16847"N	85°07'01.67148"E	R71	23°32'43.79452"N	85°07'06.87385"E
R29	23°32'38.86803"N	85°06'57.21713"E	R72	23°32'46.77017"N	85°07'05.90815"E
R30	23°32'35.98413"N	85°06'55.74663"E	R73	23°32'20.05226"N	85°07'06.95164"E
R31	23°32'36.76421"N	85°06'53.16401"E	R74	23°32'19.83172"N	85°07'11.41860"E
R32	23°32'32.24939"N	85°06'51.93423"E	R75	23°32'18.80047"N	85°07'15.53140"E
R33	23°32'27.04557"N	85°06'50.51677"E	R76	23°32'22.60963"N	85°07'16.15309"E
R34	23°32'24.79114"N	85°06'55.21838"E	R77	23°32'22.61677"N	85°07'18.16611"E
R35	23°32'22.57824"N	85°06'59.33010"E	R78	23°32'20.37531"N	85°07'19.62234"E
R36	23°32'21.32188"N	85°07'02.05696"E	R79	23°32'20.03838"N	85°07'26.31243"E
R37	23°32'16.79615"N	85°07'04.74099"E	R80	23°32'18.37085"N	85°07'25.77563"E
R38	23°32'12.77010"N	85°07'05.68325"E	R81	23°32'16.16652"N	85°07'20.54462"E
R39	23°32'11.72790"N	85°07'03.57030"E	R82	23°32'15.22996"N	85°07'15.50778"E
R40	23°32'13.94080"N	85°06'59.61563"E	R83	23°32'16.89749"N	85°07'14.79965"E
R41	23°32'15.81105"N	85°06'56.44619"E	R84	23°32'15.70967"N	85°07'13.22350"E
R42	23°32'18.06678"N	85°06'53.31957"E	R85	23°32'16.31499"N	85°07'08.35798"E
R43	23°32'19.60867"N	85°06'48.20849"E	R86	23°32'47.66341"N	85°07'05.02847"E

Table-II

Distance and Bearing between pillars along CA Land

Traverse Line	Distance	Fore Bearing	Back bearing
R1-R2	107.385	83°2'41"	263°2'41"
R2-R3	93.223	39°59'4"	219°59'4"
R3-R4	85.553	76°58'22"	256°58'22"
R4-R5	111.927	156°45'37"	336°45'37"
R5-R6	143.548	188°16'28"	8°16'28"
R6-R7	165.277	278°56'38"	98°56'38"
R7-R8	57.242	300°46'26"	120°46'26"
R8-R9	53.777	254°2'48"	74°2'48"
R9-R10	560.353	117°24'44"	297°24'44"
R10-R11	146.419	151°46'15"	331°46'15"
R11-R12	151.578	105°15'6"	285°15'6"
R12-R13	170.797	87°3'54"	267°3'54"
R13-R14	117.114	69°5'38"	249°5'38"
R14-R15	193.529	57°44'45"	237°44'45"
R15-R16	241.676	174°44'56"	354°44'56"
R16-R17	85.071	277°49'56"	97°49'56"
R17-R18	98.804	197°19'28"	17°19'28"
R18-R19	47.103	255°50'10"	75°50'10"
R19-R20	78.045	345°42'52"	165°42'52"
R20-R21	100.746	2°38'7"	182°38'7"
R21-R22	100.768	260°30'11"	80°30'11"
R22-R23	106.629	260°30'15"	80°30'15"
R23-R24	99.202	182°31'29"	2°31'29"
R24-R25	99.281	182°31'30"	2°31'30"
R25-R26	280.813	228°51'56"	48°51'56"
R26-R27	76.775	186°12'1"	6°12'1"
R27-R28	112.656	177°14'56"	357°14'56"
R28-R29	128.166	280°25'11"	100°25'11"
R29-R30	98.041	205°55'53"	25°55'53"
R30-R31	77.087	288°53'35"	108°53'35"
R31-R32	143.217	194°51'2"	14°51'2"
R32-R33	165.073	194°51'2"	14°51'2"
R33-R34	150.322	118°13'53"	298°13'53"
R34-R35	135.049	121°1'36"	301°1'36"
R35-R36	86.469	117°18'16"	297°18'16"
R36-R37	158.695	152°4'58"	332°4'58"
R37-R38	126.716	168°34'29"	348°34'29"
R38-R39	67.975	242°36'20"	62°36'20"
R39-R40	131.222	302°0'22"	122°0'22"
R40-R41	106.742	303°22'22"	123°22'22"
R41-R42	112.615	308°47'46"	128°47'46"
R42-R43	152.544	288°52'18"	108°52'18"
R43-R44	224.319	261°3'34"	81°3'34"
R44-R45	232.737	277°15'25"	97°15'25"
R45-R46	156.643	279°47'25"	99°47'25"
R46-R47	190.181	345°56'24"	165°56'24"
R47-R48	244.373	332°47'54"	152°47'54"
R48-R49	101.071	99°0'6"	279°0'6"
R49-R50	107.062	17°0'40"	197°0'40"
R50-R51	66.552	306°43'43"	126°43'43"
R51-R52	205.190	9°16'7"	189°16'7"
R52-R53	282.823	40°32'59"	220°32'59"
R53-R54	141.569	169°24'22"	349°24'22"
R54-R55	98.302	99°23'25"	279°23'25"
R55-R56	62.737	356°18'48"	176°18'48"
R56-R57	34.490	78°24'7"	258°24'7"
R57-R58	137.913	161°16'12"	341°16'12"
R58-R59	75.859	92°52'44"	272°52'44"
R59-R60	80.944	123°5'22"	303°5'22"
R60-R61	120.360	50°8'0"	230°8'0"
R61-R62	115.648	8°38'36"	188°38'36"
R62-R63	76.585	82°34'35"	262°34'35"
R63-R64	190.129	22°5'10"	202°5'10"
R64-R65	156.861	86°42'24"	266°42'24"
R65-R66	156.439	166°10'49"	346°10'49"
R66-R67	183.946	9°13'2"	189°13'2"
R67-R68	362.068	124°53'13"	304°53'13"
R68-R69	189.734	102°32'37"	282°32'37"
R69-R70	182.357	223°17'38"	43°17'38"
R70-R71	169.216	269°47'2"	89°47'2"
R71-R72	95.559	344°5'41"	164°5'41"
R72-R73	822.537	178°41'22"	358°41'22"
R73-R74	126.890	93°48'59"	273°48'59"
R74-R75	120.900	105°57'55"	285°57'55"
R75-R76	118.511	9°18'28"	189°18'28"
R76-R77	57.101	90°31'47"	270°31'47"
R77-R78	80.385	149°49'44"	329°49'44"
R78-R79	190.052	93°52'36"	273°52'36"
R79-R80	53.515	197°16'47"	17°16'47"
R80-R81	163.146	246°11'14"	66°11'14"
R81-R82	145.752	259°20'53"	79°20'53"
R82-R83	55.095	339°22'7"	159°22'7"
R83-R84	57.745	231°29'18"	51°29'18"
R84-R85	139.266	278°26'10"	98°26'10"
R85-R86	969.081	355°9'33"	175°9'33"
R86-R1	1090.193	321°3'21"	141°3'21"

Table: III

Plot-wise location and area of CA Land

Sl.No.	Plot No.	Chadar No	Village	Thana No.	Thana	District	Area (in Ha.)
1	2	1	Kotari	66	Burmu	Ranchi	4.52
2	556	1	Kotari	66	Burmu	Ranchi	3.91
3	854	1	Kotari	66	Burmu	Ranchi	6.49
4	136,163,92 & 566	1	Kotari	66	Burmu	Ranchi	89.24
Total							**104.16**

Customer

Central Coalfields Limited

Project

Preparation of Georeferenced Boundary Map of CA Land against Forest Land (126.72 Ha.) of KDH OCP CCL

Job No. 064318204

Subject

Plan Showing CA Land at
Village- Kotari
Thana: Burmu
District: Ranchi

Activity	Name	Designation	Signature	Date
Surveyed / Processed by	S.Roy	Surveyor(C)		
	S.Prasad	Sr.Surveyor(C)	Prasad	
	S.K.Dixit	Sr. Manager(M)		
Checked by	M.Rastogi	Ch.Manager(C)		
Approved by	R.Kumar	HOD (Geomatics)		

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Table:I

List of Geographical Co-ordinates (in WGS 84) of pillars along CA Land

Name	WGS84 Latitude	WGS84 Longitude	Name	WGS84 Latitude	WGS84 Longitude
P1	23°38'46.40463"N	84°57'34.20737"E	P18	23°38'33.95834"N	84°58'05.08327"E
P2	23°38'45.20539"N	84°57'43.42445"E	P19	23°38'29.12550"N	84°58'05.70071"E
P3	23°38'48.17696"N	84°57'51.73275"E	P20	23°38'24.91098"N	84°58'06.23913"E
P4	23°38'50.94222"N	84°57'57.99900"E	P21	23°38'25.83419"N	84°58'12.62958"E
P5	23°38'54.03055"N	84°58'07.04176"E	P22	23°38'22.93023"N	84°58'16.46020"E
P6	23°38'53.37891"N	84°58'15.60136"E	P23	23°38'18.04837"N	84°58'16.68483"E
P7	23°38'47.78126"N	84°58'16.36406"E	P24	23°38'17.93408"N	84°58'08.45094"E
P8	23°38'47.70480"N	84°58'20.47048"E	P25	23°38'17.83605"N	84°58'01.39570"E
P9	23°38'42.75315"N	84°58'18.16243"E	P26	23°38'21.64967"N	84°58'00.79780"E
P10	23°38'41.09368"N	84°58'11.19420"E	P27	23°38'21.68191"N	84°57'55.98025"E
P11	23°38'40.84589"N	84°58'05.00490"E	P28	23°38'17.80042"N	84°57'53.85653"E
P12	23°38'40.46292"N	84°57'59.40964"E	P29	23°38'17.85598"N	84°57'43.84229"E
P13	23°38'37.42897"N	84°57'54.45081"E	P30	23°38'22.76231"N	84°57'44.38385"E
P14	23°38'31.74956"N	84°57'51.82935"E	P31	23°38'25.24804"N	84°57'42.32355"E
P15	23°38'31.19720"N	84°57'57.17240"E	P32	23°38'30.91826"N	84°57'39.05929"E
P16	23°38'34.46487"N	84°57'58.08230"E	P33	23°38'35.40581"N	84°57'36.70866"E
P17	23°38'35.69419"N	84°58'00.90648"E	P34	23°38'41.10716"N	84°57'35.54823"E

Table-II

Distance and Bearing between pillars along CA Land

Traverse Line	Distance	Fore Bearing	Back bearing
P1-P2	263.850	98°51'26"	278°51'26"
P2-P3	252.624	69°35'55"	249°35'55"
P3-P4	196.942	65°13'13"	245°13'13"
P4-P5	273.360	70°28'27"	250°28'27"
P5-P6	243.444	95°32'20"	275°32'20"
P6-P7	173.584	173°39'35"	353°39'35"
P7-P8	116.419	91°58'19"	271°58'19"
P8-P9	165.807	204°3'8"	24°3'8"
P9-P10	204.008	256°19'12"	76°19'12"
P10-P11	175.602	268°19'35"	88°19'35"
P11-P12	159.035	266°33'59"	86°33'59"
P12-P13	168.734	237°13'36"	57°13'36"
P13-P14	189.891	203°51'9"	23°51'9"
P14-P15	152.403	97°13'9"	277°13'9"
P15-P16	103.798	15°12'13"	195°12'13"
P16-P17	88.539	65°31'31"	245°31'31"
P17-P18	129.883	115°5'47"	295°5'47"
P18-P19	149.728	174°6'8"	354°6'8"
P19-P20	130.570	174°6'9"	354°6'9"
P20-P21	183.357	81°54'8"	261°54'8"
P21-P22	140.620	130°15'52"	310°15'52"
P22-P23	150.344	178°23'10"	358°23'10"
P23-P24	233.428	269°57'4"	89°57'4"
P24-P25	200.015	269°57'3"	89°57'3"
P25-P26	118.558	352°35'49"	172°35'49"
P26-P27	136.564	271°13'55"	91°13'55"
P27-P28	133.743	207°34'2"	27°34'2"
P28-P29	283.875	271°9'43"	91°9'43"
P29-P30	151.741	6°37'27"	186°37'27"
P30-P31	96.232	323°27'9"	143°27'9"
P31-P32	197.484	332°52'42"	152°52'42"
P32-P33	153.313	335°3'29"	155°3'29"
P33-P34	178.481	350°11'54"	170°11'54"
P34-P1	167.370	347°41'36"	167°41'36"

Table: III

Plot-wise location and area of CA Land

Sl.No.	Plot No.	Chadar No	Village	Thana No.	Thana	District	Area (in Ha.)
1	275	1	Mayapur	7	Burmu	Ranchi	35.69
2	274	1	Mayapur	7	Burmu	Ranchi	11.7
3	280 (Part)	1	Mayapur	7	Burmu	Ranchi	5.54
4	276 (Part)	1	Mayapur	7	Burmu	Ranchi	14.58
5	327 (Part)	1	Mayapur	7	Burmu	Ranchi	12.59
Total							**80.10**

Customer

Central Coalfields Limited

Project

Preparation of Georeferenced Boundary Map of CA Land against Forest Land (126.72 Ha.) of KDH OCP CCL

Job No. 064318204

Subject

Plan Showing CA Land at
Village- Mayapur
Thana: Burmu
District: Ranchi

Activity	Name	Designation	Signature	Date
Surveyed / Processed by	S.Roy	Surveyor(C)		
	S.Prasad	Sr.Surveyor(C)		
	S.K.Dixit	Sr. Manager(M)		
Checked by	M.Rastogi	Ch.Manager(C)		
Approved by	R.Kumar	HOD (Geomatics)		

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Sheet No. 1 of 1

Drg No. HQS&DN19019B

REV. 0

Annexure – B

CENTRAL COALFIELDS LIMITED
(A subsidiary of Coal India Limited)
Office of the General Manager,
North Karanpura Area,P.O: Dakra 829210,
Dist: Ranchi (Jharkhand).

Ref. No.: PO/KDH/2020/123

Date: 22/09/2020

To
The Superintending Archeologist (I/C)
Archaelogical Survey of India
Ranchi Circle, Jain Villa
PP Compound
Ranchi, Jharkhand 834001
circleranchijh.asi@gov.in

Subject:- **Regarding archeological /religious place of importance in the Area.**

Dear Sir,

It is to bring your kind notice that KDH OCP is a coal producing mine of CCL located in Khalari Block of Ranchi (Jharkhand).

An application for diversion of 126.72 Ha of forest land in village karkatta & Bishrampur of Block Khalari Ranchi (Jharkhand) has been submitted to MoEF&CC, Govt. of India.

In this regard a querry has been raised by FAC, MoEF&CC, Govt. of India to acertain that the said area and the area for compensatory afforestation (CA) is of archeological / religious place of importatance or not. (copy of querries raised by MoEF&CC enclosed as annexure)

The details of land are as follows:-

Sl. No.	Village	Type of Land	Total Area (in Ha)
1	**Bisharampur and Karketta**	Forest and GMJJ	126.72
2	**Hatma**	CA land	70
3	**Kotari**		104
4	**Mayapur**		80

Thus in order to comply with the quarry raised by FAC. It is requested to kind acertain the above land is of archeological / religious place of importatance or not.

Thanking you

Yours faithfully,

22/9/2020

Project Officer
KDH OCP
N.K Area Dakra.

Copy to:
1) General Manager, NK Area
2) General Manager (E&F) CCL HQ Ranchi.
3) Staff Officer (P&P), N.K.Area

Project Officer
K.D.H. Project

Annexure-C

CENTRAL COALFIELDS LIMITED
(A subsidiary of Coal India Limited)
Office of the General Manager,
North Karanpura Area,P.O: Dakra 829210,
Dist: Ranchi (Jharkhand).

Ref. No.: PO/KDH/20-21/138 Date: 07.10.2020

To
Circle Officer,
Khalari Block
Ranchi

Subject:- Regarding certification of religious place of importance in the Area.

Dear Sir,

It is to bring your kind notice that KDH OCP is a coal producing mine of CCL located in Khalari Block of Ranchi (Jharkhand).

An application for diversion of 126.72 Ha of forest land in village karkatta & Bishrampur of Block Khalari Ranchi (Jharkhand) has been submitted to MoEF&CC, Govt. of India.

In this regard a querry has been raised by FAC, MoEF&CC, Govt. of India to acertain that the said area and the area for compensatory afforestation (CA) is of archeological / religious place of importatance or not. (Copy of querries raised by MoEF&CC enclosed as Annexure-1)

The details of land are as follows.-

Sl. No.	Village	Type of Land	Total Area (in Ha)
1	Bisharampur and Karketta	Forest and GMJJ	126.72
2	Hatma	CA land	70
3	Kotari		104
4	Mayapur		80

Thus in order to comply with the quarry raised by FAC. It is requested to kindly acertain whether the above land is having any place of religious place or not.

Thanking you

Yours faithfully,

07/10/2020
Project Officer
KDH OCP
NK Area, Dakra.

Copy to:
1) General Manager, NK Area
2) General Manager (E&F) CCL HQ Ranchi
3) Staff Officer (P&P), N.K.Area

Project Officer
K.D.H. Project

DFA I

F. No. 8-62/2018-FC
Government of India
Ministry of Environment, Forest and Climate Change
(Forest Conservation Division)

Indira Paryavaran Bhawan,
Aliganj, Jor Bag Road,
New Delhi - 110003.
Dated: २२nd August, 2019

To

The Principal Secretary (Forests),
Government of Jharkhand,
Ranchi.

Sub: **Proposal for diversion of 126.72 ha (84.35 ha PF and 42.37 ha Jungle Jhari) of forest land for KDH Open Cast Mine in favour of M/s Central Coalfields Limited (CCL) in Ranchi District, Jharkhand.**

Sir,

I am directed to refer to the State Government of Jharkhand's letter no. Van Bhumi-06/2017/3422/V.P. dated 13.08.2018 on the above subject seeking prior approval of the Central Government under the Forest (Conservation) Act, 1980 and to inform that said proposal was placed before Forest Advisory Committee (FAC) in its meeting held on 31st July, 2019. The detailed minutes of the FAC meeting held on 31st July, 2019 may kindly be accessed on the website of this Ministry (www.parivesh.nic.in).

The FAC, after thorough deliberations on the proposal and also taking note of the various facts of the proposal inter-alia recommended obtaining following information from the State Government:

(i) State Government shall attach necessary certificate that the area is free from encroachments and encumbrances.
(ii) State Government shall submit necessary certificate to confirm whether the site selected for compensatory afforestation is important from Religious/Archaeological point of view or not.
(iii) Status of safety zone may be clarified by state Government.
(iv) Cost benefit ratio shall be calculated as per MoEF&CC guidelines dated 1.08.2017.
(v) State Government shall provide details about the gap/shortfall observed in the process of reclamation of the mined area by CCL in other mines within the state.
(vi) State Government shall furnish status of the areas for which, as reported, there are approvals of forest area obtained in 1996 and 2009.
(vii) State Government may further clarify if the user agency had paid NPV for entire forest area within the project/lease area as per different guidelines of MoEF&CC or not.
(viii) State Government shall prepare a comprehensive proposal for diversion of entire forest land under the provisions of FCA 1980 within the project /lease area

In view of the above, I am directed to request the Ministry of Mines, Government of India to submit their comments, as per the observation of FAC, to this Ministry for further necessary action in the matter.

Yours faithfully,

22.08.19
(Sandeep Sharma)
Assistant Inspector General of Forests (FC)

Copy to:-

1. The Principal Chief Conservator of Forests, Government of Jharkhand, Ranchi.
2. The Dy Director General of Forests (Central), Regional Office, MoEF&CC, Ranchi
3. The Addl. PCCF & Nodal Officer (FCA), Forest Department, Govt. of Jharkhand, Ranchi.
4. User Agency.
5. Monitoring Cell (Forest Conservation Division).
6. Guard File.

22.08.19
(Sandeep Sharma)
Assistant Inspector General of Forests (FC)

Project Officer
K.D.H. Project

Customer Central Coalfields Limited

Project Preparation of Georeferenced forest boundary map of KDH OCP NK Area CCL

Job No. 564317052

Subject Land Use Plan

Activity	Name	Designation	Signature	Date
Surveyed / Processed by	S.K.Dixit	Sr. Manager(M)	3/21/25	
	S.Prasad	Sr.Surveyor(C)	Prasad	
	S.Roy	Surveyor(C)		
Checked by	M.Rastogi	Sr.Manager(C)	M.Rastogi	
Approved by	N.P.Singh	GM(Geomatics)		

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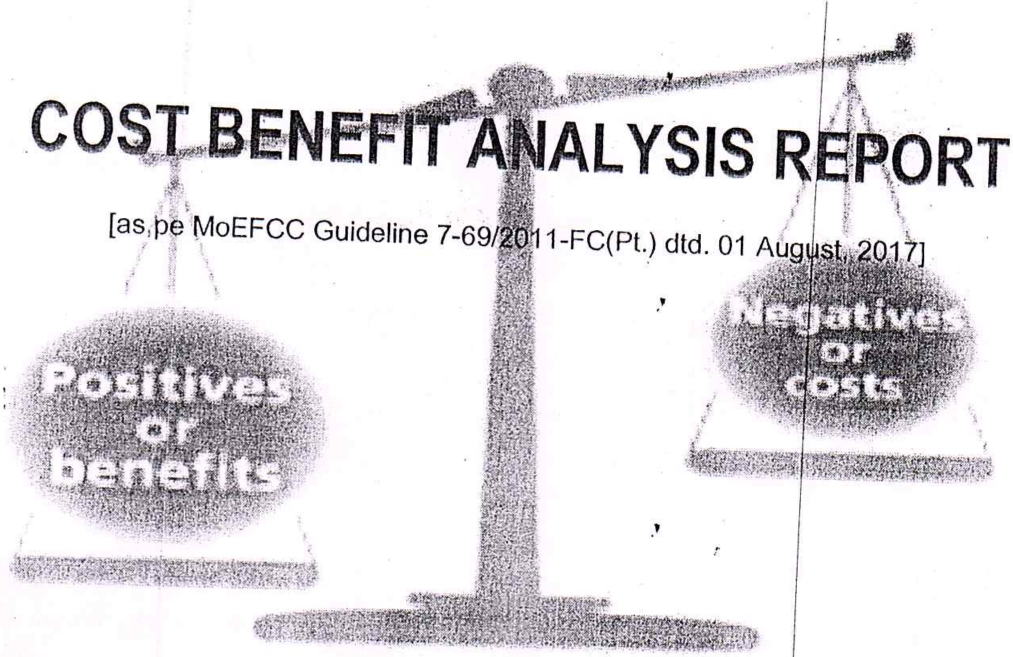
Scale 1:4000 **Sheet** 1 of 1

Drg No. HQS&DN17077 **REV. No. - 0**

Annexure E

COST BENEFIT ANALYSIS REPORT

[as pe MoEFCC Guideline 7-69/2011-FC(Pt.) dtd. 01 August, 2017]



KDH OCP
(126.72 Ha Forest Land)

KDH Open Cast project
NK Area
Central Coalfields Limited
(A Miniratna Company)

Project Officer
K.D.H. Project

Cost Benefit Analysis Report

Name of Forest Proposal	Area
KDH (126.72 Ha)	N K Area

Introduction:

Karanpura Dewankhand(KD) Hesalong OCP Mine is situated in the North karanpura Coalfield of Bihar. Presently, it is a part of North Karanpura area of CCL. The nearest railway station is Khalari which is about 3Km away from this mine, on the Gomoh-Dehri-on-sone loop line of Eastern Railway. The mine is about 65 km away from Ranchi. The proposal of In-Principle Approval of Extension Project Report of KDH OCP (Normative capacity. 4.5 MTY) was approved in the 370th meeting of Board of Directors of CCL held on 19.08.2010.

2.0 Purpose for Cost benefit analysis:

Cost benefit report is required for making online application in Part 1, G.i.a. The report has been prepared on the basis of MoEFCC circular no. 7-69/2011-FC(Pt.) dated. 01 August, 2017. (copy Attached as Annexure A).

Table 1(a) : Breakup of Land

Area	Name of Project	Forest Land as per Application	Notified Forest as per Application	GMK JJ/Revenue Forest as per Application
N K Area	KDH (126.72 Ha)	126.72	84.35	42.37

3.0 Details of Project Affected Family (PAF):

Table 1(b) : Detail of Household shifting

No. of villages. to be rehabilitated	Name of village to be Rehabilitated	No. of Project affected person	No. of PAF to be shifted at R&R site	No. of tribal amongst PAF	No. of Tribal PAF opting for shifting within District
2	Bishrampur and Karkatta	455	0	32	32

Project Officer
K.D.H. Project

Table 2 (a) : Current Different Rates
Eco Value Class : Class III
Forest type group : Tropical dry deciduous forest

Sl no.	Different Rates	VDF(very dense forest)	MDF(moderately dense forest)	OF(open forest)	LDF (Low Density Forest)
1	NPV Rates in Rs./Ha	8,87,000	8,03,000	6,26,000	
2.	Rates of Compensatory Afforestation in Rs. / Ha	1,76,009	1,76,009	1,76,009	1,76,009
3.	Economic value of carbon storage in Rs./Ha	3,00,064	2,70,040	95,721	95,721
4.	Rate of moisture conservation cost Rs/ Ha/Year	1,951	1,269	527	103
5.	Economic value of carbon storage in Rs./Ha	13,947	9,024	4,101	823

Source: Revision of rates of npv applicable for different class/category of forests published by centre for ecological services management (CESM), Indian Institute of Forest Management (IIFM)), Bhopal in collaboration with Forest Survey of India (FSI), Dehradun, Nov. 2014

4.0 The details of nature of forest land for which application for diversion of forest land applied are as under:

Table 2 (b) : Rates of Net Present Value, Comlensatorty Afforestation, Carbon StorageS, Soil Conservation, Moisture Conservation applicable to forest application

Area	Name of Project	Economy Class of Forest	Type of Forest	Rate of NPV in Rs/Ha	rate of CA in Rs/ha	Rate of Soil conservation in Rs/Ha/Yr	Rate of Moisture conservation in Rs/Ha/Yr	Rate of gain in Forest Cover due to CA in Rs/Ha	Rate of increase in Carbon Storage Cap due to CA in Rs/Ha
N K Area	KDH (126.72 Ha)	III	MDF	626000	176009	4101	527	177000	174319

Table 2(C) : Amount in Rs. Lakhs as per Table 2 (b) above for the forest application

Area	Name of Project	Amount of NPV	10 % NPV Amount	30 % NPV Amount	50% NPV Amount	Loss due to CA	Loss due to Soil & Moisture Conservation	Benefits due increase in Forest cover due to CA	Benefits of Carbon Storage due to CA
N K Area	KDH (126.72 Ha)	793.26	79.32	237.98	396.63	356.86	117.29	358.87	353.43

Project Officer
K.D.H. Project

Table 3 : Cost of Land as per Prevaling Circle Rate

Name of Village	Type of Land in Vicinity	Cost of Land as per Circle Rate in Rs. Lakhs
Bishrampur and Karkatta	Agriculture	Rs 4696.95

Table 4 : Cost of human resettlement in Rs Lakhs

(As per R&R Policy)

Monetary Compensation to PAFs	Compensation to homestead for Alternate housing	Compensation to Homestead as Subsistence Allowance	Compensation to landless Tribal family	Cost of human settlement
932.43	1365	326.23	48	2671.66

5.0 Taxes levied and collected by Government

These taxes collected are used for the people and is thus directly related to benefits to economy / society.

Table 5 : Taxes collected by Government in Rs. Lakhs

CSR - 2% of Retained Profit	Royalty 15 of sales value	District Mining Fund	National Mineral Fund	Taxes levied as Coal Cess	GST collected for Expenditures (Capital/Revenue)	Stowing Cess	Other taxes if any
10190.89	100311.34	30093.40	2006.22	299808	45.52	0	0

Benefits due CSR activities as per Company's Act 2012.
Royalty Reference : (1)Extraordinary gazette , part II – Sec 3(i), MoC Notification New Delhi , the 10th May 2012
(II) Extraordinary gazette , part II – Sec 3(i), MoC Notification New Delhi , the 31st Aug 2016

Project Officer
K.D.H. Project

CALCULATION AS PER MOEFCC CIRCULAR NO. 7-69/2011-FC(PT.) Ddt. 01 AUGUST, 2017.

I. Estimation of cost of forest diversion .

1. Ecosystem services losses due to proposed forest diversion

Economic value of loss of ecosystem services due to diversion of forest = Net present value (NPV) of the forest land being diverted as per prescribed by the Central Government (MoEF&CC). As the Forest land proposed does not fall in National park & Wild life sanctuary

Therefore Ecosystem Service Lossess due to proposed diversion in Rs. lakhs= 793.26

[(Ref Table - 2 (c)]

2. Loss of animal husbandry productivity, including loss of fodder

As per guidelines issued by MoEFCC, Loss of animal husbandry productivity, including loss of fodder is to be quantified and expressed in monetary terms or 10% of NPV applicable which ever is maximum.

Assuming no. of husbandry as 4 per family and factor of husbandry as 60 then,

No. of Project affected person in Rs. lakhs	Loss of animal husbandry etc as per calculation in Rs. lakhs	Loss of animal husbandry etc as per NPV in Rs. lakhs
455	398.58	79.32

Since 10% NPV is more than calculated value.

Thus as per guideline Loss of animal husbandry productivity, including loss of fodder in Rs. lakhs = **Rs 79.32lakhs**

3. Cost of human resettlement

As per MoEFCC guidelines the cost of human settlement is to be quantified and expressed in monetary terms. For expressing the cost of human settlement the R&R policy of Coal India has been taken into consideration. The different components that has been considered are as follows:

(As per R&R Policy)

Monetary Compensation to PAFs - Monetary compensation @ Rs.5.0 Lakh per acre subject to a minimum of Rs.0.50 Lakh. The compensation can be paid in form of annuity also on monthly, quarterly, annually etc. upto 60 years of age or life of project, whichever is earlier. Note : A person receiving employment forgoes all claims to monetary compensation and a person

Project Officer
K.D.H. Project

receiving monetary compensation forgoes all claims to employment.
Compensation to homestead for Alternate housing - Compensation for homestead building as per standard valuation method under LA Act. Payment of Rs 3.0 Lakh in lieu of alternate housing site, assistance in designing & shifting, compensation for construction cattle shed and working shed etc.

Compensation to Homestead as Subsistence Allowance - Subsistence allowance to each affected family @ 25 days Minimum Agricultural Wages per month for one year.
Compensation to landless Tribal family - Affected landless tribal families will be provided one time financial assistance equivalent to 500 days MAWs as a compensation for loss of customary rights.
Cost of human resettlement as per R&R Plan (in Rs. Lakhs)=**Rs.** 2671.66 Lakhs
(Ref Table – 4)

4. Loss of public facilities and administrative infrastructure:

As per MoEF guidelines the loss of public facilities and administrative infrastructure is to be expressed in monetary term which would require forest land if these facilities were diverted due to the project. The facilities may include roads, buildings, schools, dispensaries, electric line, railways, etc. On forest land.
Loss of public facilities and administrative infrastructure=Rs0

5. Possession value of forest land diverted:

As per MoEFCC guideline 30% of environmental cost (NPV) due to loss of forest or circle rate of adjoining area in the district should be added as a cost component as possession value of forest land whichever is maximum. The Circle rate and 30% NPV calculated are as follows:

Possession value of Forest Land diverted as per Circle Rate in Rs. lakhs	Possession value of Forest Land diverted as per NPV in Rs. lakhs
4696.95	237.98

Ref Table - 2 (c) & Table - 3
The Cost of land as per circle rate is more than the 30 % NPV Value as such the
Possession value of forest land diverted in Rs. lakhs=4696.95

6. Cost of suffering of oustees As per MoEFCC guideline the social cost of rehabilittion of oustees (in addition to the cost likely to be incurred in providing residence, occupation and social services as per R&R plan) be worked out out as 1.5 times of what oustees should have earned in two years has he not been shifted. Accordingly, Cost of suffering of oustees in Rs. Lakhs =9893.52
7. Habitat Fragmentation cost As per MoEFCC guideline while the relationship between fragmentation and forest goods and services is complex, for the sake of simplicity the cost due to

Project Officer

fragmentation has been pegged at 50% of NPV applicable as a thumb rule. Accordingly, Habitat Fragmentation cost in Rs. lakhs =396.63(Ref Table - 2 (c))

8. Compensatory afforestation and soil & moisture conservation cost As per MoEFCC guideline the actual cost of compensatory afforestation and soil & moisture conservation and its maintenance in future at present discounted value. Accordingly, Compensatory afforestation and soil & moisture conservation cost in Rs. lakhs =474.15[Ref Table - 2 (b), Table - 2 (c)]

Thus as per MoEFCC guideline the estimated cost for the diversion of forest land is the sum total of Ecosystem services losses due to proposed forest diversion, Loss of animal husbandry productivity, including loss of fodder, Cost of human resettlement, Loss of public facilities and administrative infrastructure(Roads, buildings, schools, dispensaries, electric line, railways, etc.), On forest land, which would require forest land if these facilities were diverted due to the project, Possession value of forest land diverted, Cost of suffering of oustees, Habitat Fragmentation cost and Compensatory afforestation and soil & moisture conservation cost. Accordingly,

Total estimated Cost due to diversion of forest in Rs. lakhs=19005.52

II. Estimation of Benefits of forest diversion

1. Increase in productively attribute to the specific project

These are to be quantified & expressed in monetary terms avoiding double counting. The productivity part is included in the other heads to follow and as such not included in estimating the benefits, though the productivity has been calculatedand tabulated as under :

Increase in productively attribute to the specific project in Rs. Lakhs =636930.80

2. **Benefits to economy due to specific project :**

   As per MoEFCC guidelines the these befits are incremental economic benefit in monetary terms due to activities attributed to specific projects. These benefits may include benefits due to expenditure made on account of CSR activities as per company's Act 2012, Royalty to the exchequer, contribution to District Mining Fund (DMF), contribution to National Mineral fund, amount collected as Coal cess, Stowing cess where ever applicable and any other benefits. Accordingly, Benefits to economy due to specific project =**Rs** 442455.38

3. **No. of population benefitted due to specific project**

   As per MoEFCC guide lines no. of population benefitted due to specific project is to be worked out on the basis of project report. As such no. of population benefitted for this project has been worked out as under:

No. of population benefitted due to specific project = 35010

[Ref Table - 1(b)]

Project Officer
K.D.H. Project

4. Economic benefits due to direct and indirect employment due to project:

As per MoEFCC guidelines economic benefits due to direct and indirect employment due to project is to be worked out on the basis of project report. As such no. of economic benefits is as under :

Economic benefits due to direct due to project in Rs. Lakhs	Economic benefits due to indirect employment due to project in Rs. Lakhs
7514.50014	2789.13

[Ref Table - 1 (b)]

Economic benefits due to direct and indirect employment due to project in Rs. Lakhs =10,303.63

5. Economic benefits due to Compensatory afforestation:

As per MoEFCC guidelines these benefits are the benefits from such compensatory afforestation accruing over next 50 years monetised and discounted to the present value should be included as benefits of compensatory afforestation - For benefits of CA the guidelines of Ministry for NPV estimation may be consulted accordingly these benefits have been calculated on two heads namely benefits to CA & Benefits due to carbon storage by the afforestation done on CA land. The results are as under:

Economic benefits due to Compensatory afforestation only in Rs. Lakhs	Economic benefits due to Carbon Storage due to CA in Rs. Lakhs
358.87	353.43

[Ref Table - 2 (b) & Table 2- (c)]

From the above figure the total Economic benefits due to Compensatory afforestation can be estimated as sum of benefits due to CA & increase in carbon storage for the CA land. Thus the benefits is as follows:

Economic benefits due to Compensatory afforestation in Rs. Lakhs =712.30[Ref Table – 3]

Thus as per MoEFCC guideline the estimated Benefits for the diversion of forest land is the sum total of benefits to economy due to specific project ,Economic benefits due to of direct and indirect employment due to project and Economic benefits due to compensatory afforestation. Accordingly, Estimated benefits due to project in Rs. Lakhs=453471.32 [Ref Table - 3].

Project Officer
KDH

These estimated Costs & estimated benefits are tabulated at table 7 & table 8 respectively.

Table 7 : Estimated Cost in Rs. Lakhs

Area	Name of Project	Ecosystem Service Lossess due to proposed diversion	Loss of Animal Husbandry Productivity, including loss of fodder	Cost of Human Settlement	Loss of Public facilities and administrative infrastructure	Possession Value	Cost of suffering outstees	Habitat Fragmentation cost	Compensatory afforestation and Soil & Moisture Conservation Cost
N K Area	KDH (126.72 Ha)	793.26	79.32	2671.66	0	4696.95	9893.52	396.63	474.15

Table 8 : Estimated Benefits in Rs. Lakhs

Area	Name of Project	Increase in Productivity Attribute to the specific Project	Benefits to Eco due to Specific Projects	No. of Population benefitted due to specific Projects	Economic benefits due to direct and Indirect employment due to Project	Economic benefits due to compensatory afforestation
N K Area	KDH (126.72 Ha)	636930.80	442455.38	35010	10303.63	712.30

The Cost to benefit ratio is the ratio of estimated cost (table 7) and estimated benefits (Table 8). The cost to benefit ratio for this forest proposal comes out as under:

Total estimated Cost due to diversion of forest in Rs. lakhs	Estimated benefits due to project in Rs. Lakhs	Cost to benefit Ratio
19005.52	453471.32	23.86

Project Officer
K.D.H. Project

Annexure – A

Copy of

MoEFCC circular no.

7-69/2011-FC(Pt.)

Dtd. 01 August, 2017.

Project Officer
K.D.H. Project

No. 7-69/2011-FC(Pt.)
Government of India
Ministry of Environment, Forest & Climate Change
(Forest Conservation Division)

Indira Paryavaran Bhawan,
Jorbagh Road, Aliganj,
New Delhi-110003.
Dated: 01st August, 2017.

To

The Principal Secretary (Forests)
All States / Union Territories Governments.

Sub: **Guidelines for conducting Cost Benefit Analysis for projects involving diversion of forest land under the provisions of the Forest (Conservation) Act, 1980.**

Sir,

I am directed to inform that in supersession of all earlier orders / guidelines including that referred to at 2.6 of the Handbook of Forest (Conservation) Act, 1980 for conducting Cost Benefit Analysis of projects involving forest diversion, a revised set of guidelines has been prepared by the Ministry and shall be applicable for all projects involving diversion of forest land under the provisions of the Forest (Conservation) Act, 1980, which are required to be undertaken as per Table A of the new guidelines, from the date of issue of this letter. These guidelines will be applicable for all such projects which are yet to be recommended by the State Government on the date of issue of this guideline.

The guidelines for conducting Cost Benefit Analysis for projects involving forest diversion areas is enclosed herewith for further action.

This issues with the approval of competent authority.

Yours faithfully,

Encl: As above.

(Nisheeth Saxena)
Sr. Assistant Inspector General of Forests

Copy to:-
1. Prime Minister's Office (PMO)
2. Secretary, Ministry of Mines, Government of India
3. Secretary, Ministry of Coal, Government of India.
4. Secretary, Ministry of Steel, Government of India
5. Principal Chief Conservator of Forests, all States/UTs.

Project Officer
K.D.H. Project

6. Nodal Officer, the Forest (Conservation) Act, 1980, all States/UTs.
7. All Regional Offices, Ministry of Environment, Forest and Climate Change (MoEF&/C)
8. Joint Secretary, In-charge, Impact Assessment Division, MoEF&CC.
9. PS to the Hon'ble Minister of State (Independent Charge) for Environment, Forest and Climate Change.
10. Chairman, State Environment Impact Assessment Authority, all States/UTs.
11. Member-Secretary, State Environment Impact Assessment Authority, all States/UTs.
12. All Directors/Assistant Inspector General of Forests in Forest Conservation Division, MoEF&CC.
13. All Advisors/Directors/Dy. Directors in the Impact Assessment Division, MoEF&CC.
14. Director, Regional Office (Headquarters), MoEF&CC.
15. Sr. Director (Technical), NIC, MoEF&CC with a request to place a copy of this letter on website of this Ministry.
16. Sr. PPS to the Secretary, Ministry of Environment, Forest and Climate Change.
17. Sr. PPS to Director General of Forests and Special Secretary, Ministry of Environment, Forest and Climate Change.
18. Sr. PPS to Addl. Director General of Forests (Forest Conservation), Ministry of Environment, Forest and Climate Change.
19. PPS to IGF(FC), MoEF&CC.
20. Guard File.

(Nisheeth Saxena)
Sr. Assistant Inspector General of Forests

Project Officer
K.D.H. Project

Guidelines for conducting cost-benefit analysis for projects involving forest diversion

(i) While considering proposal for diversion of forest land for non-forestry use, it is essential that ecological and environmental losses and eco-economic distress caused to the people who are displaced are weighted against economic and social gains.

(ii) Whenever the forest land is involved in the development projects, the cost of ecosystem services and fragmentation of habitat of wildlife and economic distress caused to people dependent on forests and the cost of settlement of people dependent on forest should also be added as the cost of forest diversion in addition to the standard project cost which would have been incurred by the user agencies without involvement of forest land while conducting the cost benefit analysis of the project. Similarly the benefits from the project accruing due to diversion of forest land and used in the project should also be accounted for in the benefits component in addition to the standard benefits of the project which would have been accrued without involvement of forest land while conducting the cost benefit analysis and determining the benefit and cost ratio (BC ratio).

(iii) The cost of compensatory afforestation and its maintenance in future and soil & moisture conservation at present discounted value and future benefits from such compensatory forestation accruing over next 50 years monetised and discounted to the present value should be included as cost and benefits respectively of compensatory afforestation while conducting the cost benefit analysis and determining the benefit and cost ratio (BC ratio).

(iv) **Table-A** lists the details the types of projects involving forest land for which cost-benefit analysis will be required. **Table-B** lists the parameters according to which the cost aspect of forest land diverted for the development projects will be determined, while **Table-C** lists the parameters for assessing the benefits accruing to the project using of forest land.

(v) A cost-benefit analysis as above should accompany the proposals sent to the Central Government for forest clearance under the Forest Conservation Act.

Project Officer
K.D.H. Project

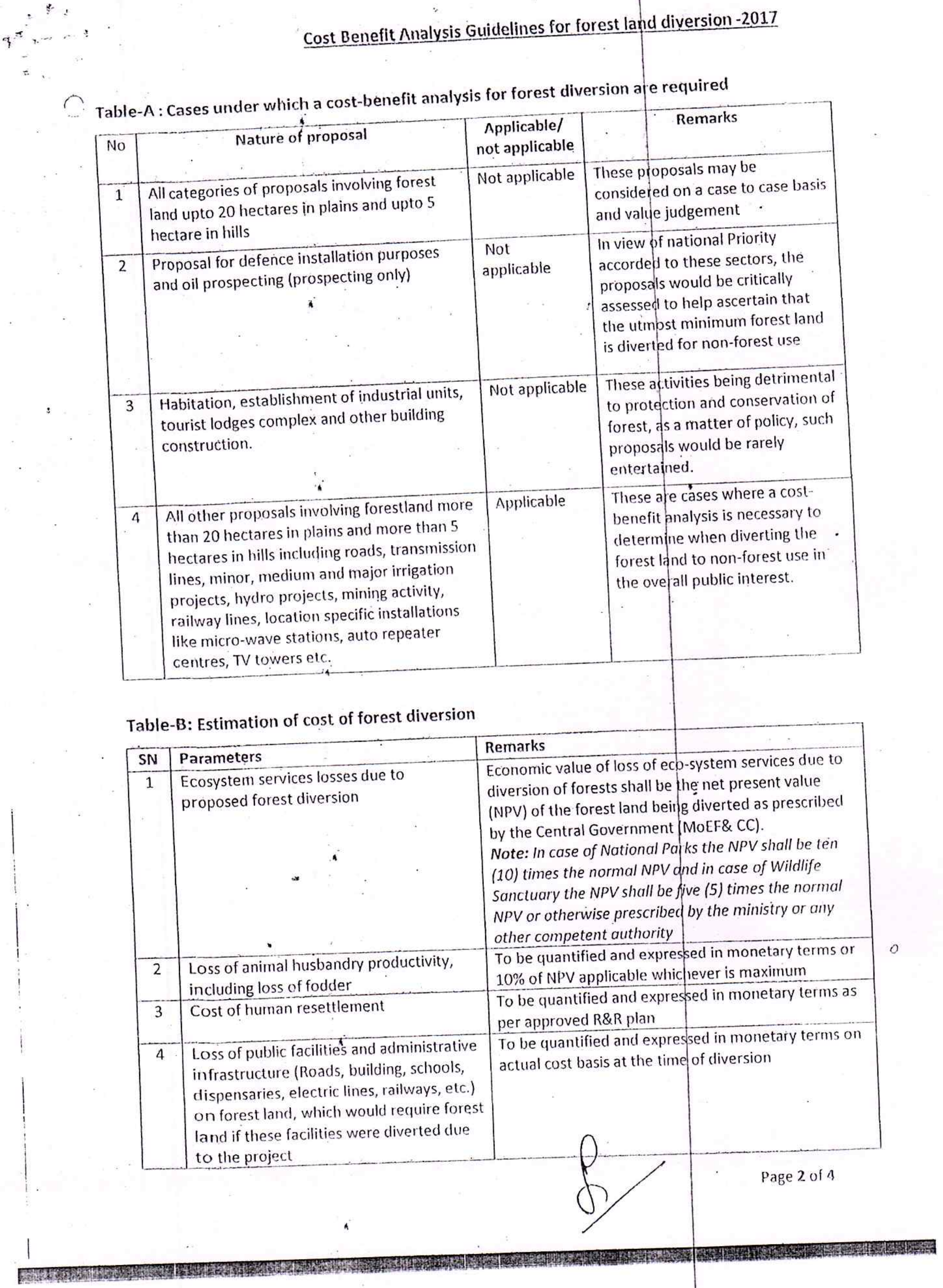


Table-A : Cases under which a cost-benefit analysis for forest diversion are required

No	Nature of proposal	Applicable/ not applicable	Remarks
1	All categories of proposals involving forest land upto 20 hectares in plains and upto 5 hectare in hills	Not applicable	These proposals may be considered on a case to case basis and value judgement
2	Proposal for defence installation purposes and oil prospecting (prospecting only)	Not applicable	In view of national Priority accorded to these sectors, the proposals would be critically assessed to help ascertain that the utmost minimum forest land is diverted for non-forest use
3	Habitation, establishment of industrial units, tourist lodges complex and other building construction.	Not applicable	These activities being detrimental to protection and conservation of forest, as a matter of policy, such proposals would be rarely entertained.
4	All other proposals involving forestland more than 20 hectares in plains and more than 5 hectares in hills including roads, transmission lines, minor, medium and major irrigation projects, hydro projects, mining activity, railway lines, location specific installations like micro-wave stations, auto repeater centres, TV towers etc.	Applicable	These are cases where a cost-benefit analysis is necessary to determine when diverting the forest land to non-forest use in the overall public interest.

Table-B: Estimation of cost of forest diversion

SN	Parameters	Remarks
1	Ecosystem services losses due to proposed forest diversion	Economic value of loss of eco-system services due to diversion of forests shall be the net present value (NPV) of the forest land being diverted as prescribed by the Central Government (MoEF& CC). **Note:** *In case of National Parks the NPV shall be ten (10) times the normal NPV and in case of Wildlife Sanctuary the NPV shall be five (5) times the normal NPV or otherwise prescribed by the ministry or any other competent authority*
2	Loss of animal husbandry productivity, including loss of fodder	To be quantified and expressed in monetary terms or 10% of NPV applicable whichever is maximum
3	Cost of human resettlement	To be quantified and expressed in monetary terms as per approved R&R plan
4	Loss of public facilities and administrative infrastructure (Roads, building, schools, dispensaries, electric lines, railways, etc.) on forest land, which would require forest land if these facilities were diverted due to the project	To be quantified and expressed in monetary terms on actual cost basis at the time of diversion

5	possession value of forest land diverted	30% of environmental costs (NPV) due to loss of forests or circle rate of adjoining area in the district should be added as a cost component as possession value of forestland whichever is maximum
6	Cost of suffering to oustees	The social cost of rehabilitation of oustees (in addition to the cost likely to be incurred in providing residence, occupation and social services as per R&R plan) be worked out as 1.5 times of what oustees should have earned in two years had he not been shifted.
8	Habitat Fragmentation Cost	While the relationship between fragmentation and forest goods and services is complex, for the sake of simplicity the cost due to fragmentation bas been pegged at 50% of NPV applicable as a thumb rule.
	Compensatory afforestation and soil & moisture conservation cost	The actual cost of compensatory afforestation and soil & moisture conservation and its maintenance in future at present discounted value

Table-C - Existing guidelines for estimating benefits of forest-diversion in CBA

Sr. No.	Parameters	Remarks
1	Increase in productively attribute to the specific project	To be quantified & expressed in monetary terms avoiding double counting
2	Benefits to economy due to the specific project	The incremental economic benefit in monetary terms due to the activities attributed to the specific project
3	No. of population benefited due to specific project	As per the Detailed project report
4	Economic benefits due to of direct and indirect employment due to the project	As per the Detailed project report.
5	Economic benefits due to Compensatory afforestation	Benefits from such compensatory forestation accruing over next 50 years monetised and discounted to the present value should be included as benefits of compensatory afforestation. *For benefits of CA the guideline of the Ministry for NPV estimation may be consulted.

Note-1: Net Present value (NPV) of environment and ecosystem services loss:

The concept of Net Present value of the forest land diverted is a scientific method of calculating the environmental cost and other losses caused due to diversion of forest land for non-forestry purposes. The NPV represents the net value of various ecosystem services and other environmental services in monetary terms which the forest would have provided if the forest would not have been diverted.

Project Officer
K.D.H. Project

Note-2: Possession value of forest land diverted:

The forest land diverted for the project such as irrigation, hydropower, railways, roads, wind, and transmission lines and mining etc are unlikely to be returned and remains in possession of the user agencies. Therefore 30% of the net present value (NPV) of forest land diverted or market rate of adjoining area in the district should be added as a cost component as "possession value of forest land" in addition to the environmental costs due to loss of forests.

Project Officer
K.D.H. Project

Annexure F

CENTRAL COALFIELDS LIMITED
(A subsidiary of Coal India Limited)
Office of the General Manager,
North Karanpura Area,P.O: Dakra 829210,
Dist: Ranchi (Jharkhand).
Mail id - pnpnkarea@gmail.com

Ref. No.: PO/KDH/Envt/2020-21/201 Date: 04/01/2021

The details of Reclamation carried out in different operating mines of CCL are as follows:

S No.	Name of Mine	Total Excavated Area/ Land broken till date	Technical Reclamation	Plantation		Total Area under Plantation
				Biological Reclamation/ Plantation over excavated Area	Other Plantation (External OB dumps & Others)	
1	Ara	51.72	0	0	84.28	84.28
2	Bhurkunda	150.3	32.11	41.12	185.82	226.94
3	Pichri	13.19	0	0	8.25	8.25
4	Pindra	29.4	0	0	5.43	5.43
5	Sirka	90.72	22.02	2.96	6.07	9.03
6	Dhori	66.77	30.53	14.48	14.3	28.78
7	Bokaro	217.52	58.84	97.96	72.01	169.97
8	Kargali	109.9	29.97	1.74	192.59	194.33
9	Rajhara	40.93	8.66	0	9.9	9.9
10	Religarha	96.23	36.02	0	41.92	41.92
11	Sarubera	30.66	1.49	0	56.51	56.51
12	Rohini	164.16	65.76	45.38	6.99	52.37
13	Purnadih	109.4	0	0	0.21	0.21
14	Tapin OCP	73.29	0	0	23.59	23.59
15	Jharkhand OCP	110.71	24.73	28.85	13.82	42.67
16	Topa OCP	67.18	0	0	40.12	40.12
17	Urimari OCP	131.16	24.16	25.03	45.15	70.18
18	North Urimari OCP	70.83	0	0	10.15	10.15
19	New Gidi C	58.66	17.97	13.97	9.16	23.13

Project Officer
K.D.H. Project

	OCP					
20	Govindpur OCP	110.72	23.36	17.86	5.16	23.02
21	Khasmahal OCP	65.55	26.23	23.84	13.92	37.76
22	Amlo OCP	82.95	49.5	7.43	16.8	24.23
23	SDOCP	114.39	22.01	0	5.03	5.03
24	Tarmi OCP	51.99	22.53	7.84	14.15	21.99
25	Ashok	3.77	2.3	0.92	0.27	1.19
26	Piparwar	5.29	2.56	1.34	1.65	2.99
27	KDH	3.56	1.54	1.31	0.23	1.54
28	Parej East	1.56	0.69	0.69	0.14	0.83
29	Rajrappa	4.45	2.34	1.32	5.11	6.43
30	Tetariakhar OCP	41.29	0	0	1.45	1.45
31	Dakra OCP	96.87	27.03	45.79	14.72	60.51
32	Magadh OCP	44.66	0	0	0	0
33	Amrapali OCP	126.74	72.84	0	1.36	1.36
34	Giddi A OCP	248.4	109.1	80.14	57.9	138.04
35	Pundi OCP	80.5	35.87	13.88	23.71	37.59
36	Kedla OCP	95.68	49.76	0	28.21	28.21
37	Jarangdih OCP	54.56	29.53	7.2	22.43	29.63
38	Kathara OCP	169.85	61.04	31.83	192.84	224.67
39	Konar OCP	54.06	9.31	3.48	43.34	46.82
40	Karo OCP	65.65	17.23	14.23	27.85	42.08
41	Karma OCP	29.77	0	0	9.3	9.3
Total		**3234.99**	**917.03**	**530.59**	**1311.84**	**1842.43**

Project Officer,
KDH OCP
NK Area

Project Officer
K.D.H. Project

Annexure G

Coal India

C C L

A Subsidiary of Coal India Limited
DARBHANGA HOUSE
Ranchi 834001, (Jharkhand), INDIA
FAX # 2360257, 2360479
PBX # (0651)- 2360606 (10 lines)
2360123 (5 lines), 2360609

Ref. No. GM(E&F)/06/1949 - 58

Date : 25.10.2006

To,
The District Forest Officer
Ranchi East Forest Division
Van Bhawan, Doranda, Ranchi.

Sub : Compliance of Stage I Conditions granted by MOEF Govt. of India vide letter NO. 8-79/1990-FC (Vol I) dated 14.09.2006 in respect of diversion of 20.95 Ha. Forest Land for KDH OCP of CCL.

Ref: Your letter No.2240 dated 12.10.2006.

Dear Sir,

This has reference to your letter referred above vide which a demand of Rs.2,82,24,055.00 has been raised in respect of Forest Compensation for the above project of CCL. It is not out of place to mention that Stage I clearance for KDH OCP has already been granted by MoEF, New Delhi vide order no. 8 – 79/1990 – FC(Vol I) dated 14.09.06. As desired, the requisite amount, item wise in the form of demand draft is being submitted to you,details of which is being given below :

Sl.No.	Demand drat No.	Date	Amount	Payment Against
1.	079234	23.10.06	42,83,572/-	Comp. Forestation.
2.	593513	23.10.06	4,22,961/-	Cost of Forest Produce
3.	079235	23.10.06	14,76,932/-	Safety Zone
4.	079236	23.10.06	2,20,40,590/-	NPV
		Total	**: 2,82,24,055/-**	

Further, CCL undertakes to reclaim mined out area as per approved mining plan/Reclamation plan of the project and agree to comply the conditions no 2(iii) of MoEF.

As per condition no 2(iv) of MoEF, 4 feet high pillars has to be erected and marked with backward and forward bearings. This work has already been completed however after the lapse of time some damaged pillars are being repaired which will be completed within a week time.

As you are aware, the rate of NPV has been arrived out on a formulae derived by Forest Department which has no approval of State Government. As such It is being submitted under

Project Officer
K.D.H. Project

est and CCL undertakes that any variation of rate of NPV either upward or downward wi
paid/ refunded vice versa. This satisfies the condition No. 4 and No. 5 of MOEF letter

,CL also undertakes to accept any other standard conditions as applicable to proposal
/elated to mining if imposed for this project. This satisfies the condition No. 2 (ix) of MOEF
letter.All other conditions are required to be complied at your end .

Since the above satisfies all the conditions of Stage-I Clearance granted as well as of your
letter No.2240 dated 12.10.2006, you are kindly requested to forward the copmliance of
Stage-I Clearance to MOEF so that Stage II Clearance could be obtained at the earliest
possible. As CCL is in dire need of this land to maintain un-interrupted Coal production from
this Project, you are once again requested to kindly expedite the proposal for getting Stage-II
Clearance.

Thanking You.

Yours faithfully,

General Manager (Env. & Forest)

Copy to:
1. PCCF, Van Bhawan, Ranchi
2. Nodal Office,Van Bhawan, Ranchi.
3. CF, Van Bhawan, Ranchi.

Copy for kind information to:The Chief Conservator of Forest, Regional Office, Bhuvneshwar

Copy to:
1. D(T) (P&P), CCL, Ranchi.
2. DT (O), CCL, Ranchi
3. CGM (P&P), CCL, Ranchi
4. GM (L&R).CCL, Ranchi.
5. CGM, NK Area, CCL

o/c

Project Officer I
K.D.H. Project

0 AUTHORISED OFFICIALS OF THE BRANCH 23.10

ON DEMAND PAY D.F.O. Ranchi East Forest Divi… Ranchi या उनके आदेश पर OR ORDER

RS Forty two lac eighty three thousand five hundred thirty two रु. Rs. 4283532

पाया VALUE RECEIVED

एचसी/HC इस राशि रुपये दस लाख अथवा अधिक किंतु सौ करोड़ रुपये से कम की रकम के लिए। FOR AN AMOUNT OF RUPEES TEN LAKHS OR ABOVE BUT BELOW RUPEES HUNDRED CRORES

भारतीय स्टेट बैंक
STATE BANK OF INDIA

Main Rd Ranchi कोड नं. CODE NO. 0 1194

0996 भरणकर्ता शाखा/DRAWEE BRANCH

प्राधिकृत हस्ताक्षर / AUTHORISED (हस्ताक्षर नमूना नं. / S.S. No. M. P. Gupta G-1382

शाखा प्रबंधक / BRANCH (हस्ताक्षर नमूना नं. / S.S. No. 5418

⑈079234⑈ 00000 2000⑆ 000996⑈ 16

रांची Ranchi -0167 VALID FOR SIX MONTHS ONLY

जारी करने वाली शाखा ISSUING BRANCH

कोड नं. CODE NO. 0

DRAFTS FOR AMOUNT OF RS. 10 LAKH AND ABOVE SHOULD BEAR THE SIGNATURES OF TWO AUTHORISED OFFICIALS OF THE BRANCH 23.10.06

माँगे जाने पर ON DEMAND PAY DFO Ranchi East Forest Divi Ranchi या उनके आदेश पर OR ORDER

रुपये RUPEES Fourteen lac seventy six thousand nine hundred thirty two रु. Rs. 1476932

मूल्य प्राप्त VALUE RECEIVED

PT एचसी/HC FOR AN AMOUNT OF RUPEES TEN LAKHS OR ABOVE BUT BELOW RUPEES HUNDRED CRORES

भारतीय स्टेट बैंक
STATE BANK OF INDIA

Main Rd Ranchi कोड नं. CODE NO. 0 1194

0996 भरणकर्ता शाखा/DRAWEE BRANCH

प्राधिकृत हस्ताक्षर / AUTHORISED SIGNATORY (हस्ताक्षर नमूना नं. / S.S. No. M. P. Gupta

शाखा प्रबंधक / BRANCH MANAGER (हस्ताक्षर नमूना नं. / S.S. No. 5485

⑈079235⑈ 00000 2000⑆ 000996⑈ 16

रांची Ranchi 0167 VALID FOR SIX MONTHS ONLY

जारी करने वाली शाखा ISSUING BRANCH

कोड नं. CODE NO. 0

DRAFTS FOR AMOUNT OF RS. 10 LAKH AND ABOVE SHOULD BEAR THE SIGNATURES OF TWO AUTHORISED OFFICIALS OF THE BRANCH 23.10.06

माँगे जाने पर ON DEMAND PAY DFO Ranchi East Forest Divi Ranchi या उनके आदेश पर OR ORDER

रुपये RUPEES two Crore twenty lac forty thousand five hundred ninety only रु. Rs. 22040590

मूल्य प्राप्त VALUE RECEIVED

PT एचसी/HC FOR AN AMOUNT OF RUPEES TEN LAKHS OR ABOVE BUT BELOW RUPEES HUNDRED CRORES

भारतीय स्टेट बैंक
STATE BANK OF INDIA

Main Rd Ranchi कोड नं. CODE NO. 0 1194

0996 भरणकर्ता शाखा/DRAWEE BRANCH

प्राधिकृत हस्ताक्षर / AUTHORISED SIGNATORY (हस्ताक्षर नमूना नं. / S.S. No. Gupta

शाखा प्रबंधक / BRANCH MANAGER (हस्ताक्षर नमूना नं. / S.S. No. 5485

⑈079236⑈ 00000 2000⑆ 000996⑈ 16

SIX MONTHS

PT/TL

KEY

G-1

⑈593513⑈ 00000 2000⑆ 000925⑈ 11

Scanned with CamScanner

Project Officer
K.D.H. Project

एक कदम स्वच्छता की ओर

CCL

(A Miniratna Cat. 1 Company)

सेन्ट्रल कोलफील्ड्स लिमिटेड
(भारत सरकार का एक उपक्रम)
(दरभंगा हाउस, राँची-834029)
CENTRAL COALFIELDS LIMITED
(Govt. of India Undertaking)
Darbhanga House, Ranchi- 834 029
फोन/Phone: (0651) 2360184 फैक्स/Fax: (0651) 2360184
वेबसाईट/Website: http://www.ccl.gov.in

Ref. no.: CCL/DGM/HOD (E&F)/2016/ 15

Date: 12.04.2016

To
The DFO,
Bokaro, Hazaribagh, Ramgarh, Ranchi ✓, Chatra(S),
Govt. of Jharkhand,

Sub: Information reg. payment of NPV of CCL-Projects as per circular of MoEF&CC, F.No.11-599 /2014-FC dated 1st April 2015 of Govt. of India as well as demanded by State Forest Deptt.

Dear Sir,

As per the subject above, NPV of the following Projects of CCL (Enclosed in Annex.-A) has been deposited in CAMPA A/C of Jharkhand in Corporation Bank, CGO Complex, New Delhi an amount of Rs.220,50,41,439.00 on 31.03.2016 through RTGS/NEFT

If any NPV is left for the Projects of CCL, as the period of one year stipulated in the said guidelines issued vide letter no. 11-599/2014-FC dated 1st April 2015 is extended for a further period of six months i.e. till 30th September 2016 as per circular of MoEF&CC, F.No.11-85-20169-Fc dated 31st March 2016, will be paid within the stipulated period mentioned above.

This is for your kind information please.

Thanking you,

Yours faithfully,
12/04/2016
Dy. GM / HOD (Env.&Forest),
Env. & Forest Dept., CCL.

Encl: As Above.

o/c

Project Officer
K.D.H. Project

1) This is a proposal for approval towards payment of NPV and other forest compensation as per circular of MOEF & CCF No.11-599/2014-FC dated 01/04/2015 of Government of India as well as demand raised by State Forest Department.

2) The total referred land of 3106.479 Ha as per Annexure-'A' covering 13 (thirteen) number of Projects for which NPV payment proposed by Forest & Environment Department HQ is Rs.2205041439/-. In addition to above, compensatory aforestation payment of Rs.15 Crores in respect of 5 mines has also been proposed as per enclosed statement duly vetted by HOD(E&F).

3) Stage I clearance of the above referred land (Forest) is yet to be obtained.

4) Due to non-availability of stage I clearance, density of Forest on these land as per Annexure – 'A' has been taken from the adjacent land for which stage II clearnnce obtained and payment has also been made.

5) The present rates of NPV according to density of the forest as per notes of HOD(E&F), CCL at page N/8 is as follows.

	Density	NPV
(i)	0.3 and below	Rs.6.26 Lakh/Hectre
(ii)	More than 0.3 and less than 0.7	Rs.8.03 Lakh/Hectre

Accordingly the amount of NPV has been derived & proposed by E&F Department to be paid as follows:

	Name of the Project	Forest Area applied (ha)	Density	Rate in Lakhs/Ha	Amount payable
1	Rajrappa	562.900	0.3	6.26	352375400
2	Urimari OCP	202.470	0.3	6.26	126746220
3	Amlo	39.664	0.3	6.26	24829664
4	Tarmi	97.440	0.1	6.26	60997440
5	Govindpur	10.520	0.4	8.03	6585520
6	Pundi Exp OCP	595.530	0.4	8.03	478210590
7	KDH	126.720	0.3	6.26	79326720
8	Konar	93.580	0.4	8.03	75144740
9	Churi Benti Pr	198.160	0.6	8.03	159122480
10	Kuju	106.650	0.2	6.26	66762900
11	Topa	489.010	0.3	6.26	306120260
12	Amrapali	432.590	0.4	8.03	347369770
13	Churi UGP	151.245 (50% of 302.49)	0.6	8.03	121449735
		3106.479			2205041439

Note: (i) As per Annexure 'A' Sl. No.5 rate considered Rs 6.26 Lakh/Ha instead of Rs.8.03 Lakh/Ha

(ii) Sl. No.13 only 50% amount has been considered

6) As mentioned at point No.1. In reference to letter of Shri H.C. Chaudhary, Director, Govt. of India, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Aliganj, Jorbagh Road, New Delhi vide F. No.11-599/2014-FC dated 1st April 2015 informed the Principal Secretary (Forests), All State/Union Territory Governments regarding guidelines for

Project Officer
K.D.H. Project

punjab national bank
...the name you can BANK upon!
S N GANGULI ROAD, RANCHI
Tel 0651 2204755/ 2205599
FAX: 0651 - 2205601
E-mail: bo0404@pnb.co.in

M/S CCL DARBHANGA HOUSE
DARBHANGA HOUSE

RANCHI JHARKHAND
834001 INDIA

12.04.2016

DEAR SIR/MADAM,

REG: CONFIRMATION OF YOUR RTGS FOR RS.220,50,00,000 &NEFT FOR RS. 41,439/-

This IS TO CERTIFY THAT WE HAVE MADE THE RTGS FOR RS.220,50,00,000/- TO CAF AC JHARKHAND ACCOUNT NO 037100101025212, IFSC CODE CORP0000371 AND NEFT FOR RS. 41,439/- TO CAF AC JHARKHAND. ACCOUNT NO. 037100101025212, IFSC CODE CORP0000371 ON 31.03.2016. WHICH STATUS SHOWS AS SETTLED.

THIS IS FOR YOUR INFORMATION PLEASE.

MANAGER

Project Officer
K.D.H. Project

स्वच्छ भारत
एक कदम स्वच्छता की ओर

CCL

(A Miniratna Cat- 1 Company)

सेन्ट्रल कोलफील्डस लिमिटेड
(भारत सरकार का एक उपक्रम)
(दरभंगा हाउस, राँची-834029)
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वेबसाईट/Website:http://www.ccl.gov.in

Principal Chief Conservator of
Forest-cum-Executive Director
Wasteland Development Board
Jharkhand, Ranchi

Bokaro
25/4/16

Ref. no.: CCL/DGM/HOD (E&F)/2016/ 13

Date: 12.04.2016

To
The PCCF Cum Nodal Officer,
Govt. of Jharkhand,
Van Bhavan, Ranchi.

Sub: Information reg. payment of NPV of CCL-Projects as per circular of MoEF&CC, F.No.11-599 /2014-FC dated 1st April 2015 of Govt. of India as well as demanded by State Forest Deptt.

Dear Sir,

As per the subject above, NPV of the following Projects of CCL (Enclosed in Annex.-A) has been deposited in CAMPA A/C of Jharkhand in Corporation Bank, CGO Complex, New Delhi an amount of Rs.220,50,41,439.00 on 31.03.2016 through RTGS/NEFT.

If any NPV is left for the Projects of CCL, as the period of one year stipulated in the said guidelines issued vide letter no. 11-599/2014-FC dated 1st April 2015 is extended for a further period of six months i.e., till 30th September 2016 as per circular of MoEF&CC, F.No.11-85-20169-Fc dated 31st March 2016, will be paid within the stipulated period mentioned above.

This is for your kind information please.

Thanking you,

Yours faithfully,

12/4

Dy. GM / HOD (Env.&Forest),
Env. & Forest Dept.,CCL.

Encl: As Above.

Project Officer

ANNEXURE-H

Comprehensive Plan of KDH OCP

KDH OCP is an operational mine of NK Area. The total lease hold boundary of KDH OCP is 1756.04 acres or 710.70 ha. The land has been acquired under various acts in different stages throughout the life of mine. The details of which are as follows:

Sl. No	Mode of Acquisition	SO no/ LA no						All areas in Ha
			Tenancy land	GMA	GMK	forest	GMJJ	Total
1	CBA	170. dt 29.12.1976	71.22	18.09	5.31	199.34	31.61	325.57
2	FC Act	8-79/90-FC dt 01.07.1996	0.00	0.00	0.00	101.41	0.00	101.41
3	FC Act	8-79/90-FC dt 14.09.2006	0.00	0.00	0.00	28.95	0.00	28.94
4	LA Act	3RV/89-90	6.80	0.86	1.32	0.00	7.33	16.31
		3RV/85-86	15.52	1.66	0.00	0.00	0.00	17.18
5	LA Act	1RV/89-90	27.17	0.53	0.09	0.00	10.53	38.31
	LA Act	7RV/87-88	24.17	0.31	0.42	0.00	0.00	24.90
6	CBA Act	39070E dt 30.12.2013	31.34	0.00	0.00	84.35	42.37	158.06
			176.22	**21.45**	**7.13**	**414.05**	**91.84**	**710.70**

An application for forestry clearance of 126.72 ha of forest land (84.35 ha forest land + 42.37 GM JJ land) has been applied vide application no FP/JH/MIN/8374/2014 dated 05/12/2014.

The status of acquisition of land is given below:

S No.	Proposal								All areas in Ha
		Forest Land		Total Forest Land (A)	Non Forest Land			Total Non Forest Land (B)	Total Land C=A+B
		Notified Forest	GM JJ		Tenancy	GMK	GMA		
1	Already diverted	101.41	0	101.41	0	0	0	0	101.41
2	Already diverted	28.95	0	28.95	0	0	0	0	28.95
3	Current proposal	84.35	42.37	126.72	31.5	0	0	31.5	158.22
4	To be diverted separately	199.34	49.47	248.81	144.72	7.14	21.45	173.31	422.12
5	Total	414.05	91.84	505.89	176.22	7.14	21.45	204.81	710.70

CCL undertakes to pay the NPV of remaining forestland as per the claim of state government and the orders of Hon`ble Supreme court.

M. (M)/Project Officer
KDH Project