



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,

वेबसाइट/Website: <http://www.ccl.gov.in>

Ref. No. CCL/DGM-HOD(E&F)/2017/1478

Date: 28-11-2017

To,  
The DFO  
Ranchi


Subject: Compliance to the EDS raised in respect of KDH OCP (126.72 Ha) dated 18.11.2017  
Ref : EDS raised online on dated 18.11.2017


Dear Sir,

Please find enclosed herewith the compliance report to the EDS raised in respect of KDH OCP (126.72 Ha) on dtd. 18.11.17.

Thanking You,

Yours faithfully

  
परियोजना पदाधिकारी  
कोडीएचओ / करकटा  
Project Officer  
KDH/Karkatta

  
HOD (Env.&Forest)  
CCL Ranchi,  
पर्यावरण एवं वन विभाग  
सी० सी० एल० दरभंगा हाउस  
राँची

**Reply to the letter no. 2048 dtd. 21.06.2017 by CF cum DFO, Ranchi**

Sl No.	Query Raised	Compliance																												
1	In Part II of the proposal the density of the forest has been indicated as 0.3 but tree enumeration list is not attached. In the proposal it has been suggested that felling of any tree is not required.	In Part II of the proposal the density of the forest has been indicated as 0.3. Payment of NPV has been made for Rs. 7,93,26,720 as advance as per MoEF circular dated 01.04.2015 considering density of 0.3 Tree enumeration has been completed and there are 4418 trees of different species. Three copies of the enumeration list has been submitted to the Range Officer (Mandar Range ) for further necessary action vide letter no. 106 dated 17.10.2017 . Copy attached as Annexure – I.																												
2	Two site inspection report of DFO is attached with the proposal. In one of the proposal it is evident that the site does not have pillars according to the plan and there is high possibility that it may overlap with the already diverted land.	No such issue has been raised by DFO in latest Site Inspection report. The copy of Site inspection report made by DFO on 18.07.16 is enclosed as annexure - II.																												
3	Plan submitted for diversion does not indicate already diverted forest land	<p>Details of Leasehold Area :</p> <p>Total Area Under Lease: 717.17 Ha Forest Land- 514.64 Ha, Non-Forest Land- 202.53 Ha Details of Forest Land: 514.64 Ha</p> <table><tr><th>Already Diverted</th><th>Area (Ha)</th><th>File No.</th><th>Dated</th></tr><tr><td>FC available</td><td>101.41</td><td>8-79/90-FC</td><td>01-07-1996</td></tr><tr><td>FC available</td><td>28.95</td><td>8-79/1990-FC(Vol. I)</td><td>26-10-2009</td></tr><tr><td>Present proposal</td><td>126.72</td><td>FP/JH/MIN/8374/2014</td><td></td></tr><tr><td>Forest land broken before 1980 &amp; under use</td><td>79.66</td><td></td><td></td></tr><tr><td>Forest land unbroken and unutilized</td><td>106.34</td><td></td><td></td></tr><tr><td>Forest land broken before 1980 &amp; reclaimed</td><td>71.56</td><td></td><td></td></tr></table>	Already Diverted	Area (Ha)	File No.	Dated	FC available	101.41	8-79/90-FC	01-07-1996	FC available	28.95	8-79/1990-FC(Vol. I)	26-10-2009	Present proposal	126.72	FP/JH/MIN/8374/2014		Forest land broken before 1980 & under use	79.66			Forest land unbroken and unutilized	106.34			Forest land broken before 1980 & reclaimed	71.56		
Already Diverted	Area (Ha)	File No.	Dated																											
FC available	101.41	8-79/90-FC	01-07-1996																											
FC available	28.95	8-79/1990-FC(Vol. I)	26-10-2009																											
Present proposal	126.72	FP/JH/MIN/8374/2014																												
Forest land broken before 1980 & under use	79.66																													
Forest land unbroken and unutilized	106.34																													
Forest land broken before 1980 & reclaimed	71.56																													

परियोजना पदाधिकारी  
केडीएच/करकटा  
Project Officer  
KDH/Karkatta

पर्यावरण एवं वन विभाग  
सी० सी० एल० दरभंगा हाउस  
राँची



4	In Part I of the proposal the details of prospecting activity has been mentioned in point M5.1, however in point M6 it is mentioned that permission under FC Act has not been taken for Prospecting activities.	<p>In M5.1 no. of boreholes in forest land and non forest land has been furnished as under:</p> <table><tr><th colspan="5">Bore holes drilled for prospecting</th></tr><tr><th>S.no</th><th>No. of Bore holes (in forest land)</th><th>Diameters(in inch.) forest land</th><th>No. of Bore holes (in non-forest land)</th><th>Diameters(in inch.) non-forest land</th></tr><tr><td>1.</td><td>13</td><td>4</td><td>3</td><td>4</td></tr></table> <p>Prospecting activities has been undertaken by CMPDI.</p>	Bore holes drilled for prospecting					S.no	No. of Bore holes (in forest land)	Diameters(in inch.) forest land	No. of Bore holes (in non-forest land)	Diameters(in inch.) non-forest land	1.	13	4	3	4																																						
Bore holes drilled for prospecting																																																							
S.no	No. of Bore holes (in forest land)	Diameters(in inch.) forest land	No. of Bore holes (in non-forest land)	Diameters(in inch.) non-forest land																																																			
1.	13	4	3	4																																																			
5	In the proposal estimated Mineral reserve is indicated as zero in point 5.2 however in point M-7 estimated reserve of Coal and Lignite has been indicated as 69.30 Million Ton. The basis of estimate is not clear.	<p>It is inadvertently written as NIL. However correct figure is as under:</p> <table><tr><th colspan="8">Estimated Reserve along with accuracy and confidence level</th></tr><tr><th></th><th colspan="3">Forest</th><th colspan="3">Non Forest</th><th></th></tr><tr><th>Minerals</th><th>Estimated Reserve (million tones)</th><th>% accuracy (+ -)</th><th>% confidence level</th><th>Estimated Reserve (million tones)</th><th>% accuracy (+ -)</th><th>% confidence level</th><th>Estimated mineral reserve at the end of mining lease(million tons.)</th></tr><tr><td>Coal and Lignite</td><td>58.72</td><td>10</td><td>90</td><td>34.97</td><td>10</td><td>90</td><td>0</td></tr></table> <p>The corrected figures at point M-7 is appended below:</p> <table><tr><th colspan="7">Mineral wise details</th></tr><tr><th>Minerals</th><th>Estimated reserve in non forest land(million tons.)</th><th>Estimated reserve in forest land(million tons.)</th><th>Estimated annual extraction( million tons.)</th><th>Estimated life of mine (Yrs.)</th><th>Total estimated extraction during mining lease period(million tons.)</th><th>Estimated mineral reserve at the end of mining lease(million tons.)</th></tr><tr><td>Coal and Lignite</td><td>34.97</td><td>58.72</td><td>4.5</td><td>25</td><td>93.69</td><td>0</td></tr></table> <p>The basis of estimate is as per mine plan. Copy of mine plan Attached (Annexure –III)</p>	Estimated Reserve along with accuracy and confidence level									Forest			Non Forest				Minerals	Estimated Reserve (million tones)	% accuracy (+ -)	% confidence level	Estimated Reserve (million tones)	% accuracy (+ -)	% confidence level	Estimated mineral reserve at the end of mining lease(million tons.)	Coal and Lignite	58.72	10	90	34.97	10	90	0	Mineral wise details							Minerals	Estimated reserve in non forest land(million tons.)	Estimated reserve in forest land(million tons.)	Estimated annual extraction( million tons.)	Estimated life of mine (Yrs.)	Total estimated extraction during mining lease period(million tons.)	Estimated mineral reserve at the end of mining lease(million tons.)	Coal and Lignite	34.97	58.72	4.5	25	93.69	0
Estimated Reserve along with accuracy and confidence level																																																							
	Forest			Non Forest																																																			
Minerals	Estimated Reserve (million tones)	% accuracy (+ -)	% confidence level	Estimated Reserve (million tones)	% accuracy (+ -)	% confidence level	Estimated mineral reserve at the end of mining lease(million tons.)																																																
Coal and Lignite	58.72	10	90	34.97	10	90	0																																																
Mineral wise details																																																							
Minerals	Estimated reserve in non forest land(million tons.)	Estimated reserve in forest land(million tons.)	Estimated annual extraction( million tons.)	Estimated life of mine (Yrs.)	Total estimated extraction during mining lease period(million tons.)	Estimated mineral reserve at the end of mining lease(million tons.)																																																	
Coal and Lignite	34.97	58.72	4.5	25	93.69	0																																																	

परियोजना पदाधिकारी  
कोडो/एचओ/करकटा  
Project Officer  
KIM/Karkata

उपमहाप्रबन्धक/विश्रगाध्यक्ष  
पर्यावरण एवं वन विभाग  
सी० सी० एल० दरभंगा हाउस  
राँची

6

If this area is close to already diverted land then whether the area has been reclaimed after completing the mining work.

The subject forest proposal KDH OC (126.72 Ha) is adjacent to KDH OC (28.95 Ha) the FC of obtained by F No 8-79/1990-FC(Vol. I) dtd. 26.10.09. & KDH OC (101.41 Ha) obtained by F No. 8-79/90-FC dtd. 01.07.1996. (copy enclosed as annexure IV)

The reclamation status is as under:

1. . Plantation Year wise

Name of Project	Year of plantation	Area	Category of land	Nos. of plants planted	Main species
KDH OCP	1992-93	31.00 Ha.	O.B.Dump	72,975	Acacia, Gamhar, Sisham, Subabul, Karanj, Kathasagwan, Chakundi, Eucalyptus, Ber, Amla, Emli, Khair, Babul, Bamboo, Menzium, etc.
	1994-95	1.00 Km.	Avenue (along railway track)	2,000	
	1998-99	20.05 Ha. 2.00 Km.	O.B .Dump Avenue (along haul road)	51,125 6,510	
	2000-01	18.00 Ha. 9.30 Ha. 0.60 Km.	O.B.Dump Plain land Avenue (colony)	45,000 23,250 2,400	
	2001-02	4.00 Ha.	O.B.Dump	10,000	
	2002-03	4.00 Ha.	O.B.Dump	10,000	
	2005-06	20.00 Ha.	O.B.Dump	50,000	
	2006-07	5.00 Ha.	O.B.Dump	12,500	
	2007-08	4.00 Ha.	O.B.Dump	10,000	
	2008-09	6.00 Ha.	O.B.Dump	15,000	
	2012-13	33.00 Ha	O.B.Dump	82,500	
	2014-15	23.00 Ha	O.B Dump	57,500	
	2016-17	2.00 Ha 3.0 km	Colony + blanks Road side	5,000 1,200	
Total		168.05 Ha. + 11.30 Ha. + 6.60 Km.	O.B. Dump / Plain land / Avenue	4,56,960	

32  
उपमहाप्रदेश / वि.  
पर्यावरण एवं वन विभाग  
सी० सी० एल० दखना हाउस  
कोलकाता

परियोजना पदाधिकारी  
के०डी०एच० / कलकत्ता  
Project Officer  
Kolkata



The mined out area is being backfilled and reclaimed in such a manner to stabilize the dumps by proper benching, grading hence maintaining the overall angle of slope less than 28 degree. Project is carrying out mining /reclamation work as per EMP/mining plan.

Land Broken = 353 ha

Land used in infrastructure = 179.82 Ha , Technically Reclaimed area = 198 Ha (approximately)

Biologically reclaimed area = 185.88 Ha, No of plantation on OB dumps ~ 4,16,600



Backfilling



Spreading of top soil



The reclamation status is also being monitored through satellite surveillance. The satellite imagery of KDH OCP made in year 2016 is enclosed as Annexure V.

उपमहाप्रबन्धक / विभागाध्यक्ष  
पर्यावरण एवं वन विभाग  
सी० सी० एल० दरमंगा हाउस  
श्री० श्री० शैली

परियोजना पदाधिकारी  
के०डी०एच० / कर्कट  
Project Officer  
KDH/Karkatta



**Reply to the letter no. 2185 dtd. 24.05.2017 by Dy secretary GoJ**


Sl No.	Query Raised	Compliance																												
1	Details of total Lease Area of KDH OCP	<div>Details of Leasehold Area : Total Area Under Lease: 717.17 Ha Forest Land- 514.64 Ha, Non-Forest Land- 202.53 Ha Details of Forest Land: 514.64 Ha</div> <table><tr><th>Already Diverted</th><th>Area (Ha)</th><th>File No.</th><th>Dated</th></tr><tr><td>FC available</td><td>101.41</td><td>8-79/90-FC</td><td>01-07-1996</td></tr><tr><td>FC available</td><td>28.95</td><td>8-79/1990-FC(Vol. I)</td><td>26-10-2009</td></tr><tr><td>Present proposal</td><td>126.72</td><td>FP/JH/MIN/8374/2014</td><td></td></tr><tr><td>Forest land broken before 1980 &amp; under use</td><td>79.66</td><td></td><td></td></tr><tr><td>Forest land unbroken and unutilized</td><td>106.34</td><td></td><td></td></tr><tr><td>Forest land broken before 1980 &amp; reclaimed</td><td>71.56</td><td></td><td></td></tr></table>	Already Diverted	Area (Ha)	File No.	Dated	FC available	101.41	8-79/90-FC	01-07-1996	FC available	28.95	8-79/1990-FC(Vol. I)	26-10-2009	Present proposal	126.72	FP/JH/MIN/8374/2014		Forest land broken before 1980 & under use	79.66			Forest land unbroken and unutilized	106.34			Forest land broken before 1980 & reclaimed	71.56		
Already Diverted	Area (Ha)	File No.	Dated																											
FC available	101.41	8-79/90-FC	01-07-1996																											
FC available	28.95	8-79/1990-FC(Vol. I)	26-10-2009																											
Present proposal	126.72	FP/JH/MIN/8374/2014																												
Forest land broken before 1980 & under use	79.66																													
Forest land unbroken and unutilized	106.34																													
Forest land broken before 1980 & reclaimed	71.56																													
2	Copy of Approved Mining Plan	Copy of approved mining plan along with approval enclosed as annexure III																												
3	Proposal for Diversion of Safety Zone.	The present proposal of diversion of 126.72 ha includes 3.84 ha of safety zone. The diversion of safety zone is the integral part of this forest application. The soft copy of KML file , DGPS Plan and land use plan along with hard copy is enclosed as annexure VI .																												
4	Copy of Land Schedule signed by DFO, Ranchi and corresponding FRA certificate and NOC for GMJJ Land.	<div>Land Schedule authenticated by CO, Khalari is enclosed as annexure VII. FRA Certificate and NOC for GMJJ Land is enclosed as annexure VIII. The abstract is as under:</div> <table><tr><th>Village name</th><th>Tehsil</th><th>Notified forest (in Acres)</th><th>GM (JJ) (in Acres)</th><th>Total (in Acres)</th><th>Total (in Ha)</th></tr><tr><td>Bishrampur</td><td>Khalari</td><td>69.78</td><td>48.83</td><td>118.61</td><td>48.00</td></tr><tr><td>Karkatta</td><td>Khalari</td><td>138.65</td><td>55.86</td><td>194.51</td><td>78.72</td></tr><tr><td>Total</td><td></td><td>208.43</td><td>104.69</td><td>313.12</td><td>126.72</td></tr></table> <div>The copy of proceedings is enclosed.</div>	Village name	Tehsil	Notified forest (in Acres)	GM (JJ) (in Acres)	Total (in Acres)	Total (in Ha)	Bishrampur	Khalari	69.78	48.83	118.61	48.00	Karkatta	Khalari	138.65	55.86	194.51	78.72	Total		208.43	104.69	313.12	126.72				
Village name	Tehsil	Notified forest (in Acres)	GM (JJ) (in Acres)	Total (in Acres)	Total (in Ha)																									
Bishrampur	Khalari	69.78	48.83	118.61	48.00																									
Karkatta	Khalari	138.65	55.86	194.51	78.72																									
Total		208.43	104.69	313.12	126.72																									

उपमहाप्रबंधक / विभाग  
पर्यावरण एवं वन विभाग  
सी० सी० एल० इलाहाबाद हाउस  
रांची

परियोजना पदाधिकारी  
के०डी०एच० / करकटा  
Project Officer

5	Comments of Chief Wile-Life Warden.	Chief Wild-Life Warden has been requested for his opinion vide letter no. 447 dtd. 21.10.17.
6	Ten year plan for Compensatory Afforestation	The DFO, Ranchi has submitted six year plan for Compensatory Afforestation. Letter has been written to DFO, Ranchi for Ten year plan for Compensatory Afforestation vide letter no. . 114 dtd. 19.07.17.
7	Tree Enumeration Report and Report of Part II para 5.	Tree enumeration has been completed and there are 4418 trees of different species. Three copies of the enumeration list has been submitted to the range officer (Mandar Range ) for further necessary action vide letter no. 106 dated 17.10.2017 . Copy enclosed as annexure I.
8	Re-examine Eco-class in clause – 4 of Part-II of the proposal, if needed - rectify it.	Letter has been written to DFO, Ranchi for correction at clause 4 of part II of the proposal vide letter no. 114 dtd. 19.07.17.

  
 परियोजना पदाधिकारी  
 के०डी०एच० / करकटा  
 Project Officer  
 KDH/Karkatta

  
 उपमहाप्रबन्धक / विभाग  
 पर्यावरण एवं वन विभाग  
 सी० सी० एल० दरभंगा हाउस  
 सी० सी० हाँची