



**CENTRAL COALFIELDS LIMITED**  
(A Mini Ratna Company)  
**OFFICE OF THE PROJECT OFFICER**  
**AMRAPALI PROJECT, HONHE**



**Ref. PO/Amrapali OC/Forest/Compliance/2022-23/1733**

**Dated: - 11.11.2022**

**To**  
**The Divisional Forest Officer**  
**Chatra South, Jharkhand**

**Sub: Proposal for Non-Forestry use of 431.59 Ha of Forest land in favor of M/s Central Coalfields Limited for Amrapali Open Cast Coal Mining Project in Chatra South Forest Division, District Chatra (Jharkhand).**

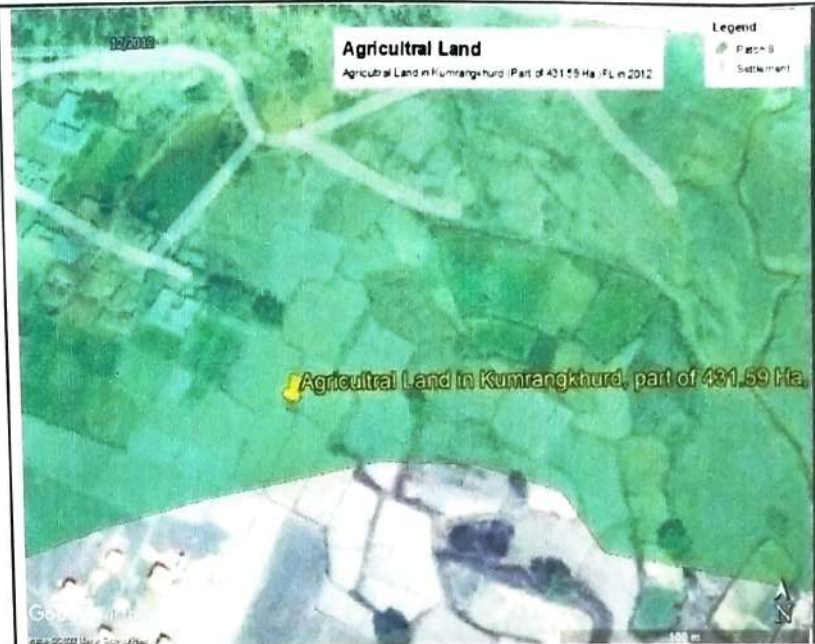
Respected Sir,

Please find enclosed herewith detailed point wise compliance for clarification raised vide: - File No.8-48/2008-FC-(Vol) dated 05.07.2022 in respect of Proposal for diversion of 431.59 Ha of Forest land for Non-Forestry use in Amrapali Project, Amrapali-Chandragupta Area, CCL: -

S. No	Conditions	Compliance
1.	<p><b>Analysis of the Forest area proposed for diversion using DSS tools (report enclosed) revealed the following:</b></p> <p>a. Agriculture area, settlement, construction of new road and non-forestry activity is visible in the proposed area for diversion. The State Government may therefore submit its comments on the same along with detail of violation of Forest (Conservation) Act, 1980, if any, committed by the user agency.</p> <p>b. Another proposal of 13.70Ha of Forest land for the construction of road (FP/JH/ROAD/34877/2018), submitted by the State Govt. for the regularization of violation, passes through the area proposed in the instant proposal. It needs to be clarified by the State</p>	<p>The Forest area proposed for diversion has settlement, agriculture land, grazing land and existing kutchha road which were in existence prior to start of mining operation at Amrapali Project.</p> <p><b>A. Comparative year wise analysis of the pre mining current scenario settlements is as below: -</b></p> <p>1. <b>Agricultural Land:</b> - Proposed area for diversion was in existence prior to mining operation in Amrapali Project as shown through comparative KMLs of year 2012 &amp; 2022.</p>

  
**DEVENDRA PRASAD**  
Project Officer  
Amrapali Project

whether area of 13.70 ha used for road is also included in the extant proposal or otherwise. Factual position needs to be informed by the State.



Agricultural land Area in Proposed Forest land 2012



Agricultural land Area in Proposed Forest land 2022

*[Signature]*  
Project Officer  
Central Project



2. **Settlement of villagers:** -Proposed area for diversion was in existing prior to mining operation in Amrapali Project as shown through KMLs of the year 2012.



Settlement of villages in 2012



SEVENDRA PRASAD  
Project Officer  
Amrapali Project

3. **Roads:** - No New Roads have been constructed in proposed area for diversion which can be seen through KML of 2012.



Roads in 2012 in proposed Forest Land



Roads in 2022 in proposed Forest Land

*Deendra Prasad*  
DEENDRA PRASAD  
Project Officer  
Aarpan Project



	<ul style="list-style-type: none"> <li>• The proposal for diversion of Forest land for Honhe-Saradhu Road (13.7 Ha) was submitted online vide FP/JH/ROAD/34877/2018 dated 21.07.2018 for the purpose of transportation of Coal.</li> <li>• Another proposal of Road from Honhe to Shivpur Railway Siding (8.38 Ha) was submitted online on 22.12.2021 for ex post facto approval.</li> <li>• Stage I FC has been granted to the proposal of Road from Honhe to Shivpur Railway Siding (8.38 Ha) by IRO, MoEF&amp;CC vide FP/JH/ENCRH/150436/2021/553 Dated 15.09.2022. An amount of Rs. 11.17 Crores has also been paid as forest levies in Jharkhand CAMPA on 03.11.2022. Subsequently compliance to the Stage IFC conditions have also been submitted to DFO Chatra (S) on 04.11.2022</li> <li>• In consecutive years coal will be evacuated through Amrapali Railway Siding which includes 120.61 Ha forest land for which forest land diversion application has been submitted vide FP/JH/RAIL/36506/2018. on 12-10-2018.</li> <li>• As such withdrawal application of Honhe - Saradhu Road (13.70 Ha) has been submitted to DFO, Chatra (S) vide letter no: - PO(A)/22/964 dated 13.08.2022. Letter enclosed as <b>Annexure-I.</b></li> </ul>
<p>Analysis of the are proposed for CA revealed the following:</p> <ol style="list-style-type: none"> <li>a. DSS analysis of CA land revealed that out of total 865 ha of DFL identified for CA, 11 ha falls under VDF category and 116 ha under MDF category which may not be suitable for afforestation. State Government needs to reconfirm suitability of the land proposed for raising CA.</li> <li>b. KML files pertaining to sites of Kanti, Mahesha, Jojbari, Guli, Semratand, Jaspurand Mahuari sites indicate gross area instead of net plantable area. Vide</li> </ol>	<p>Pointwise compliance for CA land is as follows: -</p> <ol style="list-style-type: none"> <li>a. Fresh 127 Ha Forest land has been identified by DFO Chatra South at Karo and Kurlonga Village which is suitable for afforestation in respect of CA Land. DGPS, KML &amp; corresponding Revenue map is attached as <b>Annexure-II</b></li> <li>b. The 300.75 Ha of biologically reclaimed land available with CCL has been proposed to be surrendered to DFO Bokaro. Out of 300.75 Ha land, 33 ha has been proposed for surrender in respect of compliance of Stage II Forestry Clearance of Amlo OCP and 267.75 Ha has been proposed for surrender in respect of compliance of Stage II Forestry Clearance of Konar OCP. (Letter enclosed as Annexure III)</li> </ol>

DEVENDRA PRASAD  
Project Officer  
Amrapali Project

	<p>its letter dated 17.10.2019, this Ministry had conveyed its 'in-principle approval to accept the mined out and reclaimed non-forest lands available with the CIL subsidiaries. The Ministry of Coal, vide their letter dated 20.01.2022, informed the availability of 300.75 Ha of non-forest, biologically reclaimed land with the M/s CCL. The State Government may therefore assess the suitability of such Non- Forest Land to include the same in the CA proposal.</p> <p>c. Cultivation, settlement, road, water bodies are observed in certain sites; suitability of such sites for CA needs to be reconfirmed by the State. The State Government may therefore confirm the suitability of such area for raising afforestation and their contiguity with the existing RF/PF.</p>																					
3.	As the area has Schedule-I species, comments of PCCF (Wildlife) and CWLW Jharkhand on the likely impact of the project on the movement of wildlife in general and elephant in particular needs to be furnished by the State.	The opinion/comments of PCCF CWLW in respect of Wildlife Management was obtained vide letter no. 392 dated 16.03.2022. (Letter enclosed <b>Annexure-IV</b> )																				
4.	<p>Analysis of purposed breakup of the area revealed the following:</p> <p>a. <i>An area of 85.09 ha of forest land proposed for infrastructure. Detail of infrastructure activities proposed in the forest land may be informed by the State along with the possibility to shift these activities to non-forest areas of the project.</i></p> <p>b. <i>Consolidated KML files containing various project components viz. quarry, OBs, road, etc, needs to be submitted.</i></p>	<p>a. Breakup of 85.09 Ha Forest land proposed for infrastructure is as follows: -</p> <table><tr><th>S. No</th><th>Infrastructure activities</th><th>Notified Forest Area</th></tr><tr><td>1</td><td>CHP</td><td>20.35 Ha</td></tr><tr><td>2</td><td>Workshop</td><td>21.00 Ha</td></tr><tr><td>3</td><td>Washery</td><td>43.74 Ha</td></tr></table> <p>The total area of present proposal is 763.50 Ha including an area of 431.59 Ha Forest land and an area of 331.91 Ha Non-Forest Land. It includes the following components: -</p> <table><tr><th>S. No.</th><th>Component</th><th>Forest Land (Ha)</th><th>Non-Forest land</th></tr><tr><td></td><td></td><td></td><td></td></tr></table>	S. No	Infrastructure activities	Notified Forest Area	1	CHP	20.35 Ha	2	Workshop	21.00 Ha	3	Washery	43.74 Ha	S. No.	Component	Forest Land (Ha)	Non-Forest land				
S. No	Infrastructure activities	Notified Forest Area																				
1	CHP	20.35 Ha																				
2	Workshop	21.00 Ha																				
3	Washery	43.74 Ha																				
S. No.	Component	Forest Land (Ha)	Non-Forest land																			



1	Quarry	326.8	185.11
2	Infrastructure	85.09	21.3
3	Embankment	12.2	73.2
4	Green Belt Zone	0	5.1
5	Safety Zone	7.5	0
6	OB Dump	0	47.2
<b>Total</b>		<b>431.59</b>	<b>331.91</b>

From the above breakup it is clear that 85.09 Ha Forest land and 21.30 ha non forest land is available for placing the infrastructure as most of the non-forest is being utilized for Quarry Embankment and OB dump, all of which are site specific land use which cannot be shifted to other place, as such there is no other non-forest site which can be utilized for shifting the infrastructure proposed within the diversion proposal, also shifting of these infrastructure components will not be economically viable.

**B.** Consolidated KML files containing various project components viz. quarry OBs, road, etc, is being submitted along with the compliance in soft copies.

5. Project specific R& R plan has not been submitted and the copy of R&R Plan uploaded online is not in compatible format; project specific R&R Plan may be uploaded online and submitted to Ministry.

CCL follows the R&R policy 2012 of Coal India Limited. Project specific R&R plan and beneficiaries (PAFs) details mentioned below:-

**1. Employment benefit:-**

S.n	Village	Eligible PAP	Employment Provided	Under Process
1	Honhe	100	73	19
2	Binglat	101	30	10
3	Ursu	114	4	1
4	Kumrangkala	85	6	8
5	Kumrangkhurd	21	7	2

**2. Compensation Paid:-**



S.n	Village	Area (Acre)	Compensation Paid(rs)
1	Honhe	19.9825	18039887
2	Binglat	16.45	14853346
3	Ursu	1.06	957074
4	Kumrangkala	2.445	2207590
5	Kumrangkhurd	1.3850	1250516
<b>Total paid</b>			<b>37308415</b>

### 3. Resettlement benefit:-

1. One time lumpsum payment of Rs 6 lakh as per CIL R & R policy.
2. Shifting allowance Rs 50,000 per PAF.
3. One time Resettlement allowance Rs 50,000 per PAF who opts for plot of 5 decimal at R & R Site.
4. Provision of Rs 50,000 as incentive to those PAFs whose house and similar Civil structure is demolished within 100 days from the dates of demolition order issued by Project authority.

6. Detail of coal evacuation plan may be informed by the State.

**Year wise Production, OB Removal and Dispatch details for Amrapali Project are mentioned as below: -**

Item	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
Coal (MT)	0	2.55	4.79	6.23	6.49	10.20	12.79	14.39	16.58
Dispatch (MT)	0	1.61	4.75	3.48	6.88	8.58	13.46	16.64	17.50
OB (M Cum)	2.55	17.74	6.25	4.17	6.96	8.82	13.71	15.89	15.85

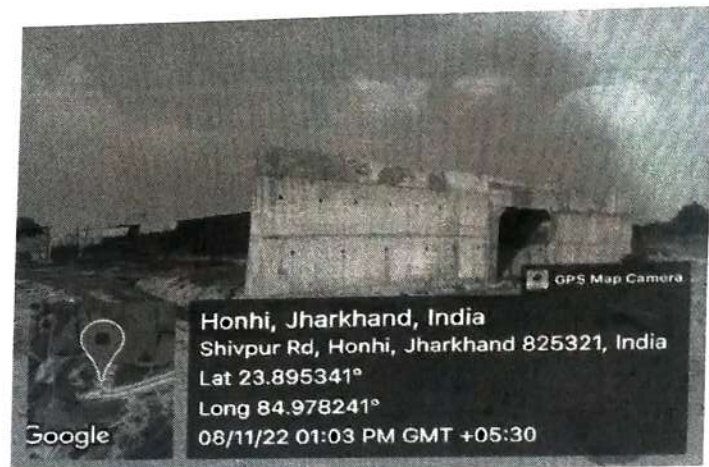
### Details of Coal Evacuation Plan: -


- Presently, Coal evacuation Plan of Amrapali project is through Shivpur Siding for limited period till the proposed Amrapali Railway Siding will be constructed. Coal will be evacuated through Conveyor belt system by using CHP & SILO system.
- The land for Amrapali Railway Siding comprises of 120.61

DEVENDRA PRASAD  
Project Officer  
Amrapali Project

Ha forest land and 39.49 Ha non- forest land which is not in physical possession. Application for forest land diversion was submitted on 12-10-2018 for Amrapali railway siding vide registration no. FP/JH/RAIL/36506/2018.

- Agreement executed between CCL & M/s RITES Limited for construction of Amrapali Railway. Copy of award letter is attached as **Annexure-V**.
- Work for culverts, bridges and railway track are under process in non-forest land. Copy of detailed progress report is attached as **Annexure-VI**.



  
DEVENDRA PRASAD  
Project Officer  
Amrapali Project

7.

It may be ascertained from the compliance of FRA, 2006 that proposal has been submitted for an area of 431.59 ha while the compliance of FRA, 2006 has been submitted in respect of 651.16 Ha. Discrepancy in the forest area needs to be rectified by the State.

The FRA certificate for 651.16 Ha issued by DC Chatra vide no.833 dated 10.08.2018 is a combined FRA certificate for Amrapali OCP, Magadh OCP & another project. (FORM II enclosed)

It includes the village and plot wise details in respect to Amrapali OCP (431.59 Ha) as under:

Circle Name	Village	Thana No.	Khata No.	Plot No.	Total Forest land (Ha)
Tandwa	Kumrangkhurd	51	36	1	7.92
				2	40.91
				3	19.98
				4	6.49
				10	7.52
				207P	36.45
				208P	22.16
				209P	2.43
				211P	1.09
	Binglat	49	46	1	67.15
				2	8.24
				22	0.23
				38	0.31
	Kumrangkala	52	116	115	7.46
				455	0.45
				520	20.24
				521	4.13
				530	12.14
				552	7.97
				554	1.46
	Ursu	54	51	195	2.04
				196	13.09
				264	12.02
				298	3.85
				360	1.3
	Honhe	50	84	38	0.25
				274	15.72
				651	3.52
				721	5.4

DEVENDRA PRASAD  
Project Officer



									722	18.79
									724	4.66
									855	3.39
									856	9.83
									874	4.99
									875	22.05
									876	5.99
									877	27.64
									878	2.33
										431.59
									Total Area	
8.	Mining Plan along with Progressive Mine Closure Plan has not been submitted along with the proposal. The same needs to be submitted by the State along with Progressive Mine Closure Pan. State Government may submit its comments on the consistency of the land uses proposed in the Mining plan and in the extant proposal submitted under the FC Act, 1980.	Mining Plan along with Progressive Mine Closure Plan has been submitted to DFO Chatra (South). Copy attached as <b>Annexure-VII</b> .								
9.	No violation of Forest (Conservation) Act, 1980 has been reported by the DCF in Part-II and various other authorities in the State. DSS analysis revealed construction of a road in the project area. Further examination of the matter revealed that the said road has been constructed without prior approval of the Central Government under the Forest (Conservation) Act, 1980 and a proposal for ex post facto approval has also been submitted by the State. Despite the continuing violation of FC Act, 1980 in the project area, incorrect information indicating no violation of the FC Act, 1980 has been reported in the extant proposal. A justification in this regard may be submitted by the State.	Stage-I of Forest Clearance for the Road from Honhe to Shivpur Railway Siding has been granted vide FP/JH/ENCRH/150436/2021/553 Dated 15 <sup>th</sup> September, 2022 Copy attached as <b>Annexure -VIII</b> .  An amount of Rs. 11.17 Crores has also been paid as forest levies in Jharkhand CAMPA on 03.11.2022. Subsequently compliance to the Stage I FC conditions have also been submitted to DFO Chatra (S) on 04.11.2022								
10.	Approval dated 12.10.2010 was granted over an area of 531.64 Ha of forest land by the Ministry in the past for the same project. The following details in respect of said approval may be provided by the State: a. Updated status on compliance of conditions stipulated in the approval dated 12.10.2010. b. Details of safety zone maintained in lieu of diversion	Details of earlier approval granted over an area of 531.64 Ha of forest land by the Ministry dated 12.10.2010 are as mentioned below: - a. Updated pointwise compliance report for conditions stipulated in Stage-II of Forest clearance vide F.NO. 8-48/2008-FC Dated: - 12 <sup>th</sup> October, 2010 is attached herewith as <b>Annexure: - IX</b> . b. Safety zone area is 4.5 Ha.								

of 531.64 ha and activities viz plantation. ANR and afforestation over 1.5 times the area of safety zone may be confirmed by the State.

- c. Detail of NPV realized from the user agency in lieu of diversion of forest land accorded in the past may be informed by the State.

- i. Payment for Rs. 24,18,300.00 - under the head safety zone has been made in AD Hoc CAMPA i.e. 21,73,698.00 against fencing of 6000m @ Rs.362.283/m around the safety zone and for protection & regeneration of the safety zone for Rs. 2,44,602.00 @ Rs. 54356 Ha for 4.5 Ha.
- ii. Payment of Rs 3,66,903.00 - in respect of cost of afforestation on degraded forest land measuring 1.5 times the Safety zone has been made in AD Hoc CAMPA.

c. A total payment of Rs 48,74,87,771 - has been paid in respect of Amrapali OCP in Ad HOC CAMPA for Compensatory Afforestation, Net Present Value & Safety zone. Copy of levies format attached as Annexure: - X.

S.No.	Payment Head	Amount Paid (In Rs)
1	Compensatory Afforestation	58,16,25,50.68
(a)	Two times the forest land area @ 54356 Ha = $2 \times 531.64 \times 54356$	5,77,95,647.68
(b)	1.5 times the Safety Zone @ 54356 Ha $1.5 \times 4.5 \times 54356$	3,66,903.00
2	Net Present Value	42,69,06,920.00
3	Safety zone (fencing, regeneration etc)	24,18,300.00
Total Payment		48,74,87,771 -

Therefore, it is kindly requested to consider the compliances and forward the proposal for issuance of Stage I Forest Clearance at the earliest.

With Regards

Yours Sincerely

Project Officer

Amrapali Project

Project Officer

Amrapali Project

## **ANNEXURE-I**





**CENTRAL COALFIELDS LIMITED**

CH. SUNDARARAMAN  
CHIEF OF THE FOREST OFFICER  
AMRAPALI (M.P. MINES - 82501)  
INDIA KASHI ARIH (DIST. CHATRA) (JHARKHAND)



Ref No *Am/P/22/964*

Date *13/08/22*

To,

**The Divisional Forest Officer  
Chatra South, Chatra**

Sub: Request for withdrawal of Honhe Saradhu Road (13.70 Ha) Forest proposal in Amrapali Project A-C, Area CCL Tandwa, District Chatra.

Dear Sir,

With reference to above mentioned subject Honhe Saradhu Road (13.70 Ha) Forest proposal in Amrapali Project has been applied vide reference no.FP/Jh/Road/34877/2018 dated 21.07.2018. Since this Road is a part of 431.59 Ha Forest proposal of mining vide ref. no. FP/Jh/min/17211/2015 dated 26.12.2015, which is already in process. Hence, you are requested to withdraw the proposal from your end

You are kindly requested to do needful action so that we can achieve our coal production target and fulfil the requirement of coal to powerplant and to the nation and also for economic growth of nation.

Thanking You

Yours Faithfully

*Official*  
**Project Officer  
(Amrapali Project)  
DEVENDRA PRASAD  
Project Officer  
Amrapali Project**

## **ANNEXURE-III**

# कार्यालय, प्रधान मुख्य वन संरक्षक-सह-कार्यकारी निदेशक,

## बंजर भूमि विकास बोर्ड, झारखण्ड, राँची।

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

पत्रांक :-

राँची, दिनांक :-

सेवा में,

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

**विषय :-** सी0सी0एल0 के अमलो खुली खदान परियोजना हेतु 39.663 हे0 वनभूमि अपयोजन का प्रस्ताव के संबंध में।

- प्रसंग :-**
1. भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, एकीकृत कार्यालय, राँची का पत्रांक FP/JH/MIN/25031/2017/4572 दिनांक 05.03.2021
  2. भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, एकीकृत कार्यालय, राँची का पत्रांक FP/JH/MIN/25031/2017/4875 दिनांक 03.09.2021
  3. क्षेत्रीय मुख्य वन संरक्षक, बोकारो का पत्रांक 1409 दिनांक 06.10.2021


महोदय,

उपर्युक्त विषयक भारत सरकार (एकीकृत क्षेत्रीय कार्यालय, राँची) के प्रासंगिक पत्र-2 द्वारा विषयगत वनभूमि अपयोजन प्रस्ताव में स्टेज- II की शर्त सं0 10 के संदर्भ में की गई पृच्छा का निराकरण क्षेत्रीय मुख्य वन संरक्षक, बोकारो के पत्रांक 1409 दिनांक 06.10.2021 (छायाप्रति संलग्न) द्वारा प्राप्त हुआ है।

पूर्व में इस कार्यालय के पत्रांक 674 दिनांक 10.06.2021 द्वारा स्टेज-II की शर्त सं0-10 के अनुपालन में प्रयोक्ता अभिकरण द्वारा बचनबद्धता के साथ सूचित किया गया था कि अपयोजित 222.324 हे0 में से Reclaimed 33.00 हे0 वनभूमि झारखण्ड सरकार को वापस नहीं किया जा सकता है, क्योंकि प्रस्तावित 33.00 हे0 Reclaimed वनभूमि का उपयोग AAD-Open Cast Mine में किया जाना प्रस्तावित है, जिसका कुल रकबा 384.32 हे0 होगा। इसके लिए अलग से प्रस्ताव समर्पित किया जायेगा।

झारखण्ड सरकार, वन, पर्यावरण एवं जलवायु परिवर्तन विभाग के पत्रांक 1962 दिनांक 19.07.2021 द्वारा विषयक परियोजना प्रस्ताव में स्टेज- II की स्वीकृति के शर्त सं0- 10 का अनुपालन नहीं करने का केन्द्र सरकार द्वारा प्रदत्त अन्तिम स्वीकृति पर क्या असर पड़ेगा, के संबंध में मंतव्य मांगी गई थी। इस संदर्भ में प्रयोक्ता अभिकरण द्वारा अनुपालन-सह-वचनबद्धता इस कार्यालय के पत्रांक 964 दिनांक 05.08.2021 द्वारा निम्नवत् समर्पित की गई थी :-

1. At the time of committing surrender of 33 ha land to forest department there was no proposal under consideration for expansion of AMLO Project.
2. Now expansion Plan of Amlo Project from 3.0 MTY to 5.0 MTY has come up whereby

  
DEVENDRA PRASAD  
Project Officer  
Amrpal



produce additional 150 L.Te coking coal from the project. For which following activities has been proposed this needs that the said land is required for mining purpose.

- Installation of belt conveyor for transporting of coal in environment friendly manner to reduce pollution by 90% and to comply the conditions laid down by MOC, Government of India.
  - Joria Nallah diversion
  - Phusro - Dumri Road diversion
  - Dhori Railway siding shifting
3. It is submitted that this 33 ha land is already broken in the past and by using the same for above purpose will minimize pollution and no further virgin forest land for this purpose will be required.
4. However user agency is committed to surrender 33.0 ha reclaimed land to state forest department, we only request reclaimed land to state forest department, we only request to allow us to defer the surrender of reclaimed and ecologically rehabilitated land.

This is to undertake that we will surrender reclaimed and ecologically rehabilitated land as per approved reclamation plan

By the end of 2024 - 12 ha

By the end of 2025 - 13 ha

By the end of 2026 - 8 ha

**Total :- 33 ha**

to comply the condition no. 10 of stage-II clearance.

भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, एकीकृत कार्यालय, राँची के पत्रांक FP/JH/MIN/25031/2017/4875 दिनांक 03.09.2021 द्वारा विषयगत अपयोजन प्रस्ताव के स्टेज-II की स्वीकृति की शर्त सं०-10 के संशोधन हेतु 06 बिन्दुओं पर पृच्छा की गई है।

भारत सरकार के उक्त पृच्छा के अनुपालन में क्षेत्रीय मुख्य वन संरक्षक, बोकारो के पत्रांक 1409 दिनांक 06.10.2021 द्वारा प्रतिवेदित किया गया है कि स्टेज-II की शर्त सं०-10 के संबंध में पूर्व में पयोजित 222.324 हे० में से मौजा-ढोरी में अवस्थित कुल 33.00 हे० वनभूमि प्रयोक्ता अभिकरण द्वारा वन विभाग को हस्तान्तरण करते हुए DGPS Map, KML File समर्पित किया गया है। स्टेज-II की शर्त सं०-10 संशोधित अनुपालन निम्नवत् प्रतिवेदित है :-

SI No.	Condition	Revised Compliance
1	2	3
1	शर्त संख्या-10 : As submitted by the User Agency, 33.00 ha. forest land (out of earlier diverted 222.324 ha. diverted forest land) which has been reclaimed, ecologically rehabilitated and no more required for mining, should be handed over to the State Forest Department and a report in this regard may be submitted in this office.	33.00 ha. Forest land has been reclaimed ecologically rehabilitated, outer periphery of which has been surveyed and demarcated on the ground by the pillars and has been handed over to Bokaro Forest Division. Details are given below :- Notified Forest : 15.40 Ha. GMJJ : 17.60 Ha. <b>Total : 33.00 Ha.</b>

Project Director  
Amrpal Project

प्रयोक्ता अभिकरण ने उल्लेख किया है कि वर्तमान परिस्थितियों में अमलो विस्तारन परियोजना के क्रियान्वयन में विलम्ब है। साथ ही खदान-परिचालन के लिए परियोजना के पास भूमि की कमी है, जिसके कारण अमलो परियोजना से कोयला उत्पादन बाधित हो जाने की सम्भावना है। फलस्वरूप प्रयोक्ता अभिकरण के प्रबंधक द्वारा शर्त सं०-10 का अनुपालन में पूर्व में अपयोजित 222.324 हे० में से मौजा-दोरी में अवस्थित कुल 33 हे० reclaimed भूमि वन विभाग को हस्तान्तरण की गयी है।

अतः क्षेत्रीय मुख्य वन संरक्षक, बोकारो से प्राप्त अनुपालन प्रतिवेदन की तीन प्रतियाँ इस पत्र के साथ संलग्न करते हुए अनुरोध है कि विषयगत प्रस्ताव से वनभूमि विमुक्ति हेतु अग्रतर कार्रवाई करने की कृपा की जाय।

प्रस्ताव पर प्रधान मुख्य वन संरक्षक (HoFF), झारखण्ड, राँची का अनुमोदन प्राप्त है।

अनु०-यथोक्त।

विश्वासभाजन,

ह०/-

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

ज्ञापांक- 1336 दिनांक- 28/10/2024

प्रतिलिपि :- वन संरक्षक, प्रादेशिक अंचल, बोकारो/वन प्रमण्डल पदाधिकारी, बोकारो वन प्रमण्डल, बोकारो/मुख्य महाप्रबंधक (पर्यावरण एवं वन), सी०सी०एल०, दरभंगा हाउस, राँची को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

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

28-10

DEVENDRA PRAS.  
Project Officer  
Amrpali Project



कार्यालय :- वन प्रमण्डल पदाधिकारी, बोकारो वन प्रमण्डल, बोकारो।

BLOCK-A, VAN BHAWAN, PURULIA ROAD, CHAS, BOKARO-827013

E-mail: dfo-bokaro@gov.in & bokaro@biodiversity.gov.in

Phone/Fax No: +91-9563-383142

प्रेषक

सहायक वन संरक्षक,  
बोकारो वन प्रमण्डल, बोकारो।

सेवा में

वन प्रमण्डल पदाधिकारी,  
बोकारो वन प्रमण्डल, बोकारो।

विषय -

वेसर्स सी0सी0एस0, अमली ओ0सी0पी0 33.00 हे0 वनभूमि उपयोग के अंतिम स्वीकृति के शर्त सं0-10 के अनुपालन के संबंध में।

प्रसंग -

आपका पत्रांक-2737 दिनांक-27.09.2021 एवं बाबू सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय का क्षेत्रीय कार्यालय (वन एवं क्षेत्र) का पत्रांक-NO.FP/JH/MIN/25031/2017/3473 दिनांक-24.09.2019

महोदय

उपयुक्त प्रसंगाधीन विषय के आलोक में सूचित करना है कि विषयगत परियोजना के स्टेज-2 के शर्त सं0-10 के आलोक में अप्रयोजित 222.324 हे0 में से मौजा-डोरी में अधिसूचित वन भूमि-33.00 हे0 भूमि को प्रयोक्ता अधिकरण, वन क्षेत्र पदाधिकारी, वनपाल एवं जनजी की सहमति से स्वीकृति निरीक्षणोपरान्त वापस प्राप्त किया गया, जिसकी विवरणी निम्नवत् है -

क्र0 सं0	मौजा/खाना नं0	प्लॉट सं0	रकबा (हे0)	भूमि का प्रकार
1	डोरी-68	3020	12.90	अधिसूचित वन भूमि
		3021	2.50	
		कुल-	15.40	
2	डोरी-68	3020	12.337	नैर नजकआ खास जंगल झाड़ी
		3021	5.263	
		कुल-	17.60	

सारांश

अधिसूचित वनभूमि- 15.40 हे0

नैर नजकआ खास जंगल झाड़ी-17.60 हे0

कुल-33.00 हे0

सर्वेक्षण में सम्मिलित पदाधिकारियों का हस्ताक्षर-

परिचालक वन प्रमण्डल, बोकारो	सहायक वन क्षेत्र	वनजी, डोरी, उप परिसर।	वनपाल, डोरी परिसर।	वन क्षेत्र पदाधिकारी, बोकारो वन प्रमण्डल।	सहायक वन संरक्षक, बोकारो वन प्रमण्डल, बोकारो।
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आज सुबह एवं आवश्यक कार्रवाई हेतु संविष्ट।

विधायक वन प्रमण्डल

30-9-21

सहायक वन संरक्षक,

बोकारो वन प्रमण्डल, बोकारो।  
Bokaro Forest Division, Bokaro

DEVENDRA PRASAD

Project

Area





**CENTRAL COALFIELDS LIMITED**  
(A MINERIES COMPANY) (GOVERNMENT)  
GOVT. OF INDIA UNDERTAKING  
OFFICE OF THE PROJECT OFFICER, AMLO OCP



PO-PHUBRO, BOKARO, JHARKHAND (HORE) AREA-839144

पत्र संख्या: P.O.(AMLOY/FOREST/2021-2022/1632 दिनांक: 21.09.2021

सेवा में,

कोयला का प्रबंधन पर्यावरणीय महोदय,

कोयला का विभाग कोयला क्षेत्र।

विषय: कोयला क्षेत्रीयता की अगली चाली काल परियोजना में 30.063 हेक्टेयर का भूमि प्रतिक्रिया का प्रस्ताव के संबंध में।

संदर्भ: पत्र संख्या-738 दिनांक: 21.09.2021।

प्रस्ताव,

उपरोक्त पत्र के संबंध में निम्नलिखित बिंदुओं पर आपका ध्यान आकर्षित करना चाहते हैं।

1. 30.063 हेक्टेयर का भूमि जो अगली परियोजना को स्टेज 2, पत्र संख्या: FP/34 /MIN/25031/4572 दिनांक: 06.09.2021, के द्वारा स्वीकृति प्रदान की गई है जिसमें सत संख्या 10 के अनुसार परियोजना को 33 हेक्टेयर का भूमि, जोकि पूर्व में हस्तान्तरित 222.324 हेक्टेयर का भाग है, को पुनः का विभाग को हस्तान्तरित करना आवश्यक अगले एक्सपेंशन परियोजना में उस जमीन की उपयोगिता दर्शाई गई थी।
2. चूंकि वर्तमान परिस्थितियों में जब एक्सपेंशन परियोजना के क्रियान्वयन में विलंब है, तथा खदान परिचालन के लिए परियोजना के पास कोई भी भूमि उपलब्ध नहीं होने के कारण अगले परियोजना, सीसीएल की पूरी मैन फावर एवं नवीनीकरण निष्क्रिय हो जाने की संभावना है, एवं कोयले की उत्पादन में भारी कमी आ जाएगी।
3. परियोजना स्वयं राज्य सरकार को राज्य की अपार क्षति के साथ-साथ देश के फावर सेक्टर को कोयले की आपूर्ति में परियोजना द्वारा भी भारी कमी हो चुकी है।
4. उपरोक्त बिंदुओं को ध्यान में रखते हुए सीसीएल अगले परियोजना द्वारा Stage-2 में सत संख्या 10 के अनुसार का सुनिश्चित करने के लिए पूर्व की वचनबद्धता के अनुसार 33 हेक्टेयर का भूमि ( 222.324 हेक्टेयर का भाग) जो की पूरी तरह से Reclaimed and Ecologically Rehabilitated है, का भूमि को हस्तान्तरित कर दिया जाना।

अतः निम्न से आग्रह है कि उपरोक्त का भूमि लेने के लिए अधिसूच अवसर कार्रवाई करने की कृपा की जाए।

आभार।

भवदीय,

परियोजना पर्यावरणीय

अगले परियोजना क्षेत्रीयता क्षेत्र सी.एस.

Project Officer  
Amlo Project

DEVENDRA PRASAD  
Project Officer  
Amrapali Project

Order: 259150-2003

**Sub:** Submission of DCPs/E.M. Nos. of 2011 to 2012 as to considered against 2013 till 2014.

As per condition no. 1) of Stage " completion of 200 Ha of Lower OZ" which states "The owner agency will surrender equal extent of area duly reclaimed and afforested from the already disturbed area" we are surrendering 267.9 Ha of land as of now. The CRP/FAI, etc are being submitted through CD attached herewith and the details of Land is as follows.

Sl. No.	NAME	Type of land Forest/Non forest Specified	Mode of land acquisition specified (CBA/Non CBA)	Plantation details	Type of species mentioned	Area, Also proposed for
1.	New Selected District (NUP)	Forest land	CBA	Approx 27500 saplings planted	Chakrandi, Betul, Jamun, Amla, Bar etc.	27.28 Ha
2.	Rameshpur OCP	Forest	CBA	Approx 75150 saplings planted	Besham, Chakrandi, Chakrandi, Acacia, Eucalyptus, Grevia, Bar, Karanj, Jamun, Amla, Kumbhar etc.	25.9 Ha
3.	Ram OCP	Forest and GMR land	CBA	8 Ha area planted (approx 25000 saplings)	Chakrandi, Acacia, Amla, Karanj, Jamun, Bar, Amla, Doka, Sonar etc.	1.27 Ha + 15.79 Ha = 17.06 Ha Kargali Panch - 17 Ha Total - 25 Ha
4.	Rupnagar OCP	GMR (15.52 Ha) & Non Forest (16.20 Ha)	CBA	Approx 20000 saplings planted	Chakrandi, Acacia, Chakrandi, Mangro plants etc.	24.71 Ha
5.	KDH OCP	15.6 ha forest 6.67 ha GMR 15.79 ha Tenancy	CBA	Approx 20000 saplings planted	Acacia, Chakrandi, Karanj etc.	20 Ha
6.	Girdih	Tenancy land	Non-CBA (Land was transferred from Railways to NCDC & ultimately to CCL)	Plantation will be done in 2021-22	Besham, Acacia, Sonar, Karanj, Amla, Doka, Sonar etc.	1.89 Ha
Total						806, Also proposed for 147.75 Ha

Yours faithfully,

Project Office  
Kumar Exp. OCP

1. The General Manager, B&K Area
2. Staff Officer (P&F), B&K Area
3. Area Nodal Officer (Env. & Forest), B&K Area

*Enid*

DEN

Amrpali Project

No. 43022/17/2021-LA&IR  
Government of India  
Ministry of Coal

Shastri Bhawan, New Delhi - 110001  
Dated 29<sup>th</sup> March, 2022

To,

Chairman-cum-Managing Director,  
Coal India Limited,  
Coal Bhawan, Premise No. 4 MAR,  
Plot No. AF III, Action Area 1A, New Town Rajarhat,  
Kolkata - 700 156.

**Sub. Transfer and mutation of non-forest land (biologically/ technically reclaimed) acquired under CBA (A&D) Act, 1957 to the State Forest Department for Compensatory Afforestation purpose against subsidiaries' forest land use proposal.**

Sir,

I am directed to refer to your letter No. CIL/CH/2476 dated 23<sup>rd</sup> November, 2021 on the above mentioned subject. You have mentioned in your letter that subsidiaries of CIL, post DGPS survey & KML file preparation have identified about 2900 Ha biologically/ technically reclaimed non-forest land which can be transferred to State Forest department for Compensatory Afforestation purposes. The identified lands were originally acquired under CBA (A&D) Act, 1957. Under Section 10 of the CBA (A&D) Act, 1957 vesting of land or rights in Central Government on publication of declaration under Section 9 of official gazette. Subsequently, under Section 11, Central Government vests the same right to the Government Company (here subsidiaries of CIL). There is no such provision (s) in the said Act for transfer and mutation of the said land in favour of State Forest Department. You have also requested for necessary amendments in the CBA (A&D) Act, 1957 to sort out this issue.

2. As you are also aware that Government has not yet taken any decision to amend the Coal Bearing Areas (Acquisition & Development) Act, 1957. However, this matter has again been referred to Department of Legal Affairs, Ministry of Law and Justice for their advice. Department of Legal Affairs stated that issues under reference appear to be covered by their earlier advice dated 30.7.2015 and reiterated vide noted dated 13.8.2020, therefore, administrative Ministry is advised to examine the matter accordingly and take an administrative decision.

3. Department of Legal Affairs in their advice dated 30.7.2015 opined that "since the objective of acquisition of such lands has been satisfied by extracting coal therefrom, we are of the view that for the purpose of utilization of such land in public interest by way of using the same for afforestation/solar/renewable energy (Green Energy) there appears no need to amend the Coal Bearing Areas (Acquisition and Development) Act, 1957 for achieving the desired objective. However, it may be noted that land acquired under the Coal Bearing Areas (Acquisition and Development) Act,

  
DEVENDRA PRASAD  
Project Officer /  
Amrapali Project



## **ANNEXURE-IV**

कार्यालय प्रधान मुख्य वन संरक्षक वन्यप्राणी  
एवं मुख्य वन्यप्राणी प्रतिपालक झारखण्ड  
वन भवन डोरण्डा राँची



पत्रांक : 392

रांची दिनांक: 16/03/2022

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

विषय:- मेसर्स सी0सी0एल0 की आम्रपाली कोयला खनन परियोजना हेतु कुल 431.59 हे०  
वनभूमि अपयोजन प्रस्ताव के संबंध में।

प्रसंग:- आपका ज्ञापांक 145 दिनांक 17.02.2022।

महाशय,

उपर्युक्त प्रासंगिक विषयक पत्रों के संदर्भ में वन्यप्राणी संरक्षण के दृष्टिकोण से  
अधोहस्ताक्षरी का मतव्य निम्नवत है:-

- 1) The above refereed subject matter coal mining project proposals of M/s Central Coal Field (CCL) limited contains proposals for Forest land diversions in forest areas of Honhe, Binglat, Kumrang Khurd, kumrangkala, Ursu PFs. And this area is surrounded by many protected forests like Manatu, Banwar, Banalat, Barwadi, Toto, Bhatchatra in North and NW; and Tunda, Pandu, Manatu, Lupunga in NE leading to SW point (Bargaon) of Hazaribagh Wildlife Sanctuary; Kundru, Keredari in East and; Gonda, Mandar, Sat Pahadi in south.
- 2) The likelihood impact of the mining on the flora & fauna within and adjoining areas of the mining projects in question are expected to be assessed through subject expert by the user agency; by listing the threatened plant species endemic to region of Jharkhand and listing of the faunal endangered species of Jharkhand, within and surrounding mining area proposed; in order that the scientific data are verified for monitoring and taking appropriate decision for prevention and mitigation measures for ecology in and around the proposed mining area.
- 3) Further the elephant movement zones have already got restricted due to severe fragmentation of the wildlife habitats around the project area. And now elephant populations are spreading into new areas in Jharkhand and resulting into expanding conflict zones of Human- Elephant conflict incidences in Jharkhand (Ref: Strategic Action Plan for East-Central Indian Region for Conservation of Elephant with special emphasis on Human-Elephant conflict, MoEF&CC GoI Project Elephant Division F.No. 7-5/2000-PE (Pt.) dated 6<sup>th</sup> May 2019). Therefore special emphasis from user agency will also be needed to help in restricting the conflict incidences, by user agency supporting and promoting welfare of elephants and human in the vicinity through wildlife mitigation measures like promoting community crop guarding (Assam) & "Gajabandhu" of Odisha, providing safe bins or community pucca godowns for storing food grains (Odisha Practice Khani-dhaan), establishing pre-alert system in the area for location of elephant herds and lone bulls, street

- lights in the villages, or keeping secure free habitat for elephant movement with bamboo and other preferred plants by elephants with water provision.
- 4) In view of above and the refereed subject matter being related to Open Cast Coal Mining, the user agency with the help of subject matter specialists should get prepared on a landscape level in 10 km circumference of the Project proposal area, an "Integrated Site Specific Wildlife Conservation, Management and Impact Mitigation Plan"; keeping exclusive strategic action plan chapter for managing Human-Elephant conflict Zone; and a chapter by subject matter specialist through landscape plan area data collection on threatened plant species & faunal endangered species endemic to region of Jharkhand; and thereby suggesting the prevention and mitigation measures for ecology within and adjoining areas of the proposed mining project area; at the Project Cost; and in close consultations with and the directions of the Divisional forest officers of Chatra South Forest Division, and Conservator of Forests. A time bound implementation of the prepared plan shall be done.
- 5) The user agency shall take will adequate measures to ensure that the prospecting activities do not harm the wildlife in the area.

सूचनार्थ एवं आवश्यक कारवाई हेतु प्रेषित ।

विश्वासभाजन

*[Signature]* 16/3/22

प्रधान मुख्य वन संरक्षक, वन्यप्राणी  
एवं मुख्य वन्यप्राणी प्रतिपालक, झारखण्ड



## **ANNEXURE-V**



**सी०सी०एल०**  
*A Minorata Cat-7 Company*

सेन्ट्रल कोलफील्ड्स लिमिटेड  
(भारत सरकार का एक उपक्रम)  
बरभंगा हाउस, राँची ८३४ ०२९  
Central Coalfields Limited  
(A Subsidiary of Coal India Limited)  
Darbhanga House, Ranchi.  
फोन/Phone : (0651)-2360129, 2360806 (PBX)  
एक्स. 5511  
फैक्स/Fax : 2360129 वेब-साइट /Website :  
http://ccl.gov.in

No.GM(C)/IC/Amrapali/2017/147  
Dated 22 May 2017.

To,  
The Group General Manager (Projects),  
M/s RITES Ltd.  
Regional Project Office,  
Metro Rail Service Building (2<sup>nd</sup> Floor),  
56, CR Avenue, Kolkata -700012

### WORK ORDER

Name of Work: "Detailed Engineering & Construction Management for the work of Rail-Infrastructure for Proposed Amrapali OCP Siding of CCL" at an estimated cost of Rs 41347.94 lakhs.

- Ref: 1. RITES/RPO-KOL/Market/Vol-48/2017-18/519 dated 14.02.2017  
2. RITES/RPO-KOL/CCL/North Urimari & Amrapali/2017-18/996 dtd 24.03.2017.  
3. RITES/Ranchi/CCL/Amrapali /2017/20/475 dtd 25.03.2017  
4. RITES/ RPO-Kol/CCL/Projects/1276 dtd 20<sup>th</sup> April 2017  
5. RITES Letter no. RITES/RPO-KOL/CCL/Offer/1560 dtd 17.05.2017.  
6. RITES Letter no. RITES/RPO-KOL/CCL/Offer/1602 dtd 19.05.2017.

Dear Sir,

With reference to above, CCL is pleased to award the subject work in your favour as per your offer as a Project Management consultant for undertaking the subject work of "Detailed Engineering & Construction Management for the work of Rail Infrastructure for Proposed Amrapali OCP Siding of CCL" at an estimated cost of Rs 41347.94 lakhs (Rs. Four Hundred Thirteen Crores Forty seven Lakhs and Ninety Four Thousands) only.

Sl. No.	Description	Amount
1	Cost of the project i.e. Revised DPR cost of M/s RITES Ltd	Rs 37489.53 lakh
2	Contingency @ 1% of project cost	Rs. 374.89 lakh
	<b>Total</b>	<b>Rs 37864.42 lakh</b>
4	RITES fee @ 8% on Rs 37864.42 lakh	Rs 3029.15 lakh
5	Service tax @ 15% (including Swachh Bharat Cess & Krishi Kalyan Cess) on RITES fee	Rs 454.37 lakh
	<b>Total</b>	<b>Rs 41347.94 lakh</b>

- Note: 1. As per CIL-RITES MoU, the Service tax as legally leviable shall be payable extra.  
2. RITES has mentioned in their offer that the actual cost may vary after Detailed Engineering.

The above total project cost of Rs 41347.94 lakhs is inclusive of contingency fee @1% and RITES fee @8% and Service tax @15% of RITES fee (including Swachh Bharat cess & Krishi Kalyan Cess).

Further, as mentioned in clause no. 9.1 of RITES offer and as agreed by RITES vide letter at sl. No 5 above, RITES should incorporate Penalty clause in the contractor's agreement and the recovered penalty amount shall be passed on to CCL.

General Manager (Civil) HOI  
Central Coalfields Limited  
Darbhanga House Ranchi

General Manager (P)  
RPO

DEVELOPMENT  
Project Officer  
Amrapali Proj

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**Engineer-In-Charge:** General Manager of the Company, Magadh & Amrapali Area will nominate Engineer-in-charge to supervise the execution of the work by M/s RITES Ltd. The Engineer-in-charge shall act on behalf of the company for all matters pertaining to the works under this agreement and shall be authorized to supervise the work to inspect, examine and approve any part of the work, the workmanship employed and the materials to be used for the same at any stage for the execution of the work as per Railway standard.

The detail scope of work, remuneration for project management consultancy, Terms & Conditions for execution of the work are furnished below :-

**2.0: Scope of work :-**

Scope of work of the contract is for rendering technical consultancy services and Project Management in connection with construction of Amrapali Siding & ancillary works under CCL. The Construction Management includes Detailed engineering, tendering services, pre-construction services, construction, planning including procurement of materials, construction consultancy, project monitoring and quality control and commissioning of work.

**3.0: Detailed Engineering- The services shall cover :-**

- i. Detailed Engineering as per the revised detailed project report and final location survey.
- ii. Preparation of detailed schedule of quantities and cost estimate for all Civil Engineering, S&T, Weighbridge and Electrical works (OHE) for inviting tenders by RITES.
- iii. Preparation of all construction drawings including Bridges in respect of works related to Civil Engineering, S&T & Electrical works (OHE) and obtaining approval from Railways, wherever necessary.
- iv. Soil investigation at locations where important structures like high bank bridges deep cutting/ filling are to be conducted as necessary by RITES.

**4.0 Construction management :-**

- i. Procurement of rails and PSC sleepers with fittings, points & crossings, track fitting etc including transportation.
- ii. Construction of Railway Formation & bridges as per IR specifications.
- iii. Procurement of stone ballast as per IR specifications.
- iv. Laying of new Permanent way with Points & crossings including packing for consolidation of ballast.
- v. Procurement and installation of Electrical (OHE) equipments.
- vi. Procurement and installation of S&T equipments.

**4.1 Tendering services: -**

Preparation of tender documents comprising the following:

- i. Subdividing various civil Engineering works, S&T and OHE works into individual contract packages as per site suitability.  
Preparation of tender documents comprising of:
  - a) Detailed Scope of work
  - b) Technical specification for earth work, Bridge work & concreting works for Civil engineering, Track linking work, S&T and OHE work conforming to Indian Railway (IR) standards practices.
  - c) Tender drawings
  - d) Schedule of quantities(SOQ)
  - e) Special condition of contract
  - f) Notice Inviting Tender (NIT)
  - g) Other relevant documents for technical & commercial bid.
  - h) Tender document will also have the provision of price variation clause
  - i) Integrity pact.

*[Signature]*  
General Manager (Civil)/HOD  
Central Coalfields Limited  
Darbhanga House Ranchi

*[Signature]*  
General Manager(P)  
RPO/Kol

*[Signature]*

*[Signature]*

DEVENDRA PRASAD

Project Officer  
Amrapali

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- 4.2 The tendering services shall be provided by RITES as per responsibility fixed in the MoU in between RITES-CIL dated 30.07.2015 (Annexure-A, stage-III - Detailed engineering & Project Management Consultancy).

Sl. No	Job Responsibility	By Whom	Remarks
1	Completion of Detailed design and drawing for all civil works, rail tracks structures etc. and obtaining approval as applicable.	RITES	
2	Submission of detailed specification, BOQ and cost estimate for all works	RITES	Cost estimate to be prepared based on current DSR/ prevalent SOR of RITES / railway rates/ market rate analysis in case of non-scheduled items with suitable remark about justification of rate.
3	Preparation of detailed tender document including NIT	RITES	
4	Approval of Sl.No. 1,2 & 3	RITES	Under intimation to CCL
5	Notification of NIT in News papers.	RITES	
6	Receipt of Tenders	RITES	
7	Evaluation including preparation of briefing notes.	RITES	
8	TC recommendation by RITES witnessing or observing by CCL's representative	RITES	
9	Acceptance/ Approval of tender evaluation statement & recommendation	RITES	
10	Preparation of draft LOI on contractor	RITES	
11	Placement of LOI on contractor	RITES	
12	Preparation of draft Agreement	RITES	
13	Signing of Agreement with Contractor	RITES	On behalf of CCL against CCL's power of attorney.
14	Project supervision and quality control monitoring of contract Certification of bill by RITES	RITES	
15	Acceptance of Bill & Payment to contractors.	RITES	RITES will pay the bill to contractor after duly checked and certified and a copy of the same to be submitted to CCL.
16	On completion of work and closing of contracts	RITES	RITES will initiate proposal for closure of contract with all relevant documents and submit the proposal to CCL.

- 4.3 **Monitoring of construction works (Civil Engineering, S&T work and OHE work):**  
The details of services to be provided under this clause is explained by RITES at page 4 & 5 of their offer (clause no.4.3.1 & 4.3.2 of RITES offer).

- 4.4 **Construction consultancy** - The construction consultancy services shall be provided by RITES as per responsibility mentioned in the MoU in between RITES-CIL dated 30.07.2015 (Annexure-A, Stage-III - Detailed engineering & Project Management Consultancy). This is as per Sl. No 14, 15 & 16 the above table mentioned under clause 4.2.

- 5.0 **Progress Review** - This will be as per MoU between CIL - RITES dated 30.07.2015, Annexure-A, Page-3 (under heading "Progress Review").

General Manager (Civil) / Hon  
Central Coalfield, Jharkhand  
Dumka House, Dumka

General Manager(P)  
RPO / Kol

DEVENDRA  
Project Manager  
Anupama

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**6.0 Facilities to be provided by CCL: -**

This has been elaborated by RITES in clause no. 6.0 of its offer at page no.6 & 7  
Important points under this clause of RITES includes: -

- a. CCL shall provide suitable "Site office accommodation" with water supply to RITES personnel at site free of cost. RITES will only pay for the electricity charges and water charges, if any. If ready built office accommodation/store/godown is not made available to RITES, the same will be constructed by RITES on CCL's land and actual cost of which shall be charged as basic cost.
- b. The guarding of rails, sleepers and other fittings (P.Way materials) through watch & ward shall be arranged by RITES for which cost shall be reimbursed by CCL on submission of documentary proof of payment.
- c. As a Principal Employer CCL shall issue necessary certificates in Form-V, Way Bill, "C" form etc. to the executing agencies/Suppliers etc. engaged by RITES for & on behalf of CCL to tax benefit.
- d. CCL shall take necessary action for acquisition of private land and provide encumbrances free land for construction purpose to the executing agency.
- e. All administrative matters relating to land acquisition procedures shall be the responsibility of the employer. Any law & order problem in connection with the land related issues shall be referred to the employer for early decision.
- f. Permission, if any required from any statutory authority for cutting/felling of Trees coming in the way of Rail corridor, shall be obtained by CCL. RITES will assist CCL in obtaining such permission.
- g. Clearance from Forest Department/Pollution control Board etc, if required shall be obtained by CCL. RITES will assist CCL.
- h. The statutory charges payable to Railways@2% of estimated cost for approval of Plan and further 2% of actual cost of completed work, before commissioning to get the track fitness certificate.
- i. Hiring charges of tower wagon, locomotive for trial run, charges for power block etc to be paid to Railway authorities and other statutory bodies of state govt. & central govt., if any for obtaining approval shall be paid by CCL separately. CCL should also pay, if any, additional fees as may be imposed by the Railways during the course of execution of the project.


  
General Manager (Civil) HOD  
Central Coalfields Limited  
Dabhanga House Ranchi

**7.0 Responsibilities of M/s RITES: -**

This has been mentioned by RITES in clause no. 7.0 of its offer at page no. 7 & 8.  
Important points under this clause includes:

- (a) M/s RITES shall be responsible for measurement of all item of works concerned under their scope of work, shall coordinate with all agencies involved in the execution of the same and shall be responsible for achieving the scheduled completion as per target date. Extension of completion time to agencies if required, due to unavoidable reasons, shall be granted with recorded reasons by RITES.
- (b) M/s RITES shall be responsible for monitoring the progress of work as per requirement of CCL, monthly progress report and other progress reports as per proforma approved by the CCL shall be submitted by M/s RITES regularly to Engineer In Charge and GM(C)/CCL.
- (c) RITES will ensure that the safety rules & regulations are implemented during execution for the safety of men & materials.
- (d) M/s RITES Ltd; will ensure that the wages of workmen is paid as per minimum wages act and also see that the other rules and regulations of labour law related to this work is being followed.

  
General Manager (P)  
RPO/Kol

  
DEVENTRA PRASAD  
Project Officer  
Amrapali Project



(e) RITES will be responsible for audit observation, CTE observation, contractors claim and arbitration, if any.

## 8.0 Time Schedule: -

As mentioned by RITES in their letter dtd 24.03.2017, the time of completion will now be 24 (Twenty Four) months from the date of work award.

Hindrance register shall be maintained at site to record the various hindrances encountered during the course of execution. Hindrance register will be signed by both the parties. Causes of hindrances will be intimated to CCL.

## 9.0 Remuneration & Payment terms-

9.1 For undertaking project management services of work, RITES Ltd. shall be paid by CCL, the consultancy and supervision fee @ 8.0% on the executed value or awarded value. The value of the work will include cost of labour, cost of materials, cost of escalation, soil investigation, security guard for materials etc.

The terms of payments of fees to RITES and stages of disbursement / procedures for undertaking projects entrusted by CCL to RITES have been mentioned in the renewed MoU between CCL & RITES on dated 30.07.2015. The terms of payment of fees are as under :-

Sl. No.	Deliverables	PMC fee 8.0% of awarded value or final executed value whichever is lower.
1	Detailed Engineering and Tender Documents consisting of detailing and design of bridges, curves, followed by Geo-technical investigation.	10% of PMC fee adjustable on awarded value or final executed value, whichever is lower.
2	Calling of tenders, evaluation and award of contract.	10% of PMC fee adjustable on awarded value or final executed value, whichever is lower.
3	Project supervision including certification of bill and quality control, monitoring of contract.	70% of PMC fee on pro-rata basis as per works certified. Awarded value or final executed value whichever is lower.
4	On completion of work and closing of contract.	10% of PMC fee adjustable on awarded value or final executed value, whichever is lower.
Note	<p>&gt; In case of increase in scope of work / additional work involving design &amp; supervision this shall be paid for on prorata basis @ of percentage enumerated in the MoU.</p> <p>&gt; However, for increase in executed value of work due to quantity variations only, where engineering and design are not involved, no additional fee shall be paid.</p> <p>&gt; RITES should incorporate the penalty clause in the contractor's agreement and the recovered penalty amount shall be passed on to CCL.</p>	

## 9.2. Payment Schedule: -

- > The rates of items of the estimates are tentative. The actual rates of items will be taken into consideration for the purpose of payment and will be intimated by RITES Ltd. on acceptance of rates received through tenders.
- > RITES' fee bill will also be adjusted from the available fund of imprest.
- > RITES will make payment for the expenditure towards carrying out the work of Project by the contractors/Sub-contractors/agencies/vendors etc. engaged by RITES on behalf of CCL.
- > Contingency up to 1% of basic cost - miscellaneous expenditure and unforeseen cost of work not covered under BOQ. The nature of contingent expenditure on this account will be clearly spelt in the bills.
- > On completion of the work and on handing over the siding to CCL, RITES shall prepare the final bill of the agency engaged for the work & submit the same to CCL to settle the project account.

General Manager (Civil) / HOD  
Central Coalfields Limited  
Darbhanga House Ranchi

General Manager(P)  
RPO / Kol

DEVENTI  
Project Officer  
Anupali Project



10.0. Cost of the Project: -

- i. All actual construction costs including materials, freight & handling charges and all payment made to construction agencies/supplier for construction works. The actual cost of material and materials shall include the element of wastages of materials in handling, central & state Govt. Taxes, duties, local statutory levies, all cost of inspection charges leviable / payable to inspection authorities at the suppliers premises prior to delivery at the prevailing rates for any civil, S&T and OHE, General electrical etc.
- ii. Cost of all materials for construction work (including rails, sleepers, and Points & Crossings, P.Way fittings & Ballast) procured for the work including the charges of Transportation, loading, Unloading taxes, etc.
- iii. All payments against work done made to various agencies engaged by RITES for execution of the work inclusive of all materials, price escalation, claims & taxes etc.
- iv. The basic cost of the work however may change due to increase / decrease in price of materials prevailing at the time of execution of the work and the labour and/or due to increase/decrease in quantities of schedule of items and/or due to execution of non-schedule items, if necessary.
- v. Cost of escalation

11.0 Compensation for Delay: -

As per MoU between CIL & RITES, dated 30.07.2015, Annex-A, Stage-III, page-3,

"There will be a Liquidated Damage clause in case of delay on the part of RITES. CCL are liable to recover from the fees, due to RITES, a sum equal to 0.5% of PMC fee for the part of work so delayed per week of delay or part thereof. The total liability of the PMC under this clause shall be subjected to maximum of 10% of the fee for portion of work so delayed."

12.0 Fund Regulation: -

As per MoU between CIL & RITES, dated 30.07.2015, Annex-A, Stage-III, page-3.,

CCL will release, as imprest (In a specified bank account of any scheduled bank) 20% (Twenty percent) of the approved estimated cost to RITES against submission of Indemnity Bond of appropriate amount, to discharge the expenditure towards carrying out the works of project by the contractors/sub-contractors/agencies/vendors engaged by RITES on behalf of CCL for the projects.

Interest accruing to such funds shall be credited to CCL. The format of Indemnity bond which will be submitted by RITES for the above purpose will be as per the format provided by CIL/CCL.

The expenditure incurred thereafter towards carrying out the works of the project shall be adjusted from the imprest. When 80% of the imprest is utilized, RITES shall submit the utilization certificate. Further imprest as per utilization certificate will be paid/ released to RITES to make the total imprest 20% of the estimated cost. This procedure of release of fund shall be repeated, whenever 80% of the total imprest paid to RITES is utilized and utilization certificate submitted by RITES. The utilization certificates should be supported by authenticated documents including statement of priced quantities executed and payments made to the various Suppliers/ parties including contractors/sub-contractors/ agencies/ vendors engaged by RITES for the project.

The release of Payment should commensurate with the actual physical progress as per the Bill of Quantity mutually accepted. A payment Schedule may be prepared for this purpose.

RITES shall submit quarterly expenditure report showing the details of expenditure as per payments made to the contractors/Sub-contractors/ agencies/ vendors from imprest received from CCL.

On the completion of project, RITES shall submit final expenditure statement showing the details of final payment made to the contractors/sub-contractors/ agencies/ vendors engaged by RITES for the project and supported by authenticated documents i.e. copy of final bill etc.

  
General Manager (Civil)/ HOD  
Central Coalfields Limited  
Darbhanga House Ranchi

  
General Manager (P)  
RPO / KOL



### 13.0 Defect Liability:-

As per MoU between CIL & RITES, Dtd 30.07.2015, Annex-A, Stage-III, page-3.

RITES shall be responsible for rectification of defects, if any, during defects liability period of 12 (Twelve) months after completions of works.

### 14.0 Tax & Duties :-

As per MoU between CIL & RITES, Dtd 30.07.2015, Annex-A, Stage-III, page-3.

RITES will ensure that all taxes & levies (including Service Tax, surcharge and cess thereon as applicable) and surcharge on taxes, duties & levies, insurance charges, license fees etc., including statutory variations during the currency of the contract applicable on transactions between RITES and contractors appointed by RITES, if any, shall be payable directly by RITES or Contractors appointed by RITES and CCL will not have any liability whatsoever on this account. However, RITES will use the TAN/TIN/PAN etc. of CCL wherever necessary to deposit statutory liability and forward the paid challan to CCL for accountal.

### 15.0 Confidentiality:

As per MoU between CIL & RITES, Dtd 30.07.2015, page-3, para 10.

Each party agrees to treat as confidential and trade secret all documents and other information and negotiations concerning technical economic and making information of the other party in connection with this MOU and shall not disclose or make public any such information unless prior consent & approval of the other party is obtained in order to disclose the same. However, these restrictions shall not be applicable in respect of any publicity available information.

### 16.0 Force Majeure:

War, invasion, revolution, riots, sabotage, lockouts, strikes, work shut-downs imposed by Government Acts or Legislature or other authorities, acts of God, epidemics, fires, earthquakes, floods, explosions, accidents, sea navigation blockages or any other acts or events whatsoever which are beyond the control of RITES and which shall directly or indirectly prevent completion of the consultancy services within the time specified in the agreement will be considered FORCE MAJEURE.

As soon as the cause of Force Majeure has been removed, RITES shall notify CCL of such delay incurred in affected activity. From the date of occurrence of a case of Force Majeure, obligation of RITES shall be suspended during the continuance of any inability so caused until the cause itself and the inability resulting there from have been removed and the agreed time of completion of the respective obligation under this agreement shall stand extended by a period equal to the period of delay, occasioned by such events.

### 17.0 Settlement of Dispute:

This is as per the clause in CIL-RITES MoU Dtd 30.07.2015.

Any Dispute or difference including those considered as such by only one of the parties arising out of or in connection with the contract shall be to the extent possible settled amicably between the parties.

If amicable settlement cannot be reached then all the disputed issues shall be settled by arbitration as provided in Clause 12.

### 18.0 Arbitration between CCL & RITES:

This is as per the clause in CIL - RITES MoU dated 30.07.2015.

In the event of any disputes or differences arising between RITES Ltd. and the Owner (CCL) in connection with Contract the provision of DPE office memorandum No. 4(1)/2011-DPE(PMA)-GL, dated 12.06.2013 of its amendments of settlement of Commercial disputes shall be applicable.

General Manager (Civil) (P)  
Central Coalfields Limited  
Darbhanga House Ranchi

DEVENDRA PRASAD  
Project Officer  
Amrpal Project

General Manager (P)

Notwithstanding the existence of any dispute or difference and / or reference for arbitration, the RITES shall proceed with and continue without hindrance with performance of the work under the contract with due diligence and expedition in professional manner and the payment due to RITES shall not be withheld by CCL account of such difference or arbitration proceedings unless such payment is subject matter of the arbitration.

- 19.0 Completion Certificate :** M/s RITES will submit a completion certificate after technical inspection on completion of the work. Within 30 (Thirty) days of receipt above, the Engineer In Charge shall inspect the work. Defects, if any, noticed by Engineer In charge shall be rectified by the engaged agency within 30 days under the supervision of RITES.

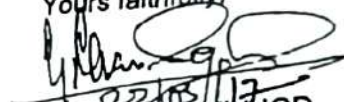
Other terms and conditions will be as per RITES accepted offer, in line with renewed CIL-RITES MoU dated 30.07.2015.

A formal agreement shall be entered into between two parties for this work. execution of contract agreement, please submit non-judicial stamp paper of 100.00 and other relevant documents for this work.

It is therefore requested for further needful action at RITES end in liaisoning with General Manager, Magadh & Amrapali Area.

Please return the enclosed duplicate copy for this work order duly signed by you each page as a token of your acceptance.

Yours faithfully,

  
General Manager (Civil)/HOD

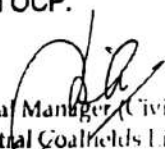
Copy for Kind information to:


1. Director (Finance), CCL, Ranchi.
2. Director (Tech)(P&P), Ranchi.
3. CVO, CCL, Ranchi.
4. GM/TS to CMD, CCL, Ranchi.
5. GM, P&P, CCL, Ranchi.
6. GM(F)(P&P), CCL, Ranchi...In ref. to the Budget Certification no BGT/PP/CB/17-18/DHC/2(309) dtd 18.05.2017 for Rs 1.0 Crores.

Copy to:

1. General Manager, M&A Area.
2. AFM, M&A Area.
3. Staff Officer (Civil), M&A Area.
4. Project officer, Amrapali OCP.

  
General Manager (P)  
RPO / Kol

  
General Manager (Civil)/HOD  
Central Coalfields Limited  
Darbhanga House Ranchi

  
DEVENDRA PRASAD  
Project Officer  
Amrapali Project



## **ANNEXURE-VI**

## Details of Major Activity

Dt: 25.09.2022

Name of work: Detailed Engineering and Construction management for the work of Rail infrastructure for proposed Amrapali OCP Railway Siding of CCL, Chattr, Jharkhand

WO No.: GM(C)/Amrapali/2017/147, dated 22-05-2017

Total Work awarded by CCL						Works within Railway Land Boundary					Works outside of Railway Land Boundary				
Sl.N o	Major Activity	BOQ Quantity	Executed Quantity	Schedule time of works	Expected time of completion of Works	BOQ Quantity	Executed Quantity	Schedule time of works	Expected time of completion of Works	Remarks	BOQ Quantity	Executed Quantity	Schedule time of works	Expected time of completion of Works	Remarks
1	Earthwork	4511376	310792.36	21.05.2019	30.04.2024	668005	310792.36	08.01.2020	Completed	****	3843373	0	28.07.2022	30.04.2024	Earthwork, major/minor bridges, P.Way linking and commissioning has not been achieve due to non availability of any types of land. Total Land required for railway siding is 160.01 Ha.( Forest-120.61 ha. And Non Forest land-10 ha.)
2	Major/Minor Bridges	38 Nos	6 Nos	21.05.2019	31.03.2024	6 Nos.	4 Nos	08.01.2020	28.02.2023	Due to delay in approval of Bridge drawing and diversion plan by Railway	33 Nos	2 Nos	28.07.2022	31.03.2024	
3	P. Way linking and Commissioning	32.26 KM	3.677 KM	21.05.2019	21.06.2024	5.214 KM	3.677 KM	08.01.2020	31.03.2023	Due to delay in granting Block by Railway	27.012 KM	0	28.07.2022	21.05.2024	
4	Supply of Sleepers	50900	50900	21.05.2019	Completed	9000	9000	08.01.2020	Completed	****	41900	41900	28.07.2022	Completed	****
5	Supply of Rails	4148 MT	4148 MT	21.05.2019	4148 MT rails supply has been completed for both within Railway land boundary and outside of Railway land boundary										

NOTE: All expected date of completion are subjected to availability of total land by December-2022

DEVENDRA PRASAD  
Project Officer  
Amrapali Project

**FORM-II**  
(For projects other than linear projects)  
**Government of Jharkhand**  
**Office of the District Collector, Chatra**  
\*\*\*\*\*

Dated... 1.0.2010

No. 833


**To WHOWSOEVER IT MAY CONCERN**

In compliance of the Ministry of Environment and Forests (MoEF), Government of India's letter No.11-9/98-FC (pt.) dated 3<sup>rd</sup> August 2009 wherein the MoEF issued guidelines on submission of evidences for having initiated and completed the process of settlement of rights under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Right) Act, 2006 ('FRA', for short) on the forest land proposed to be diverted for non-forest purposes, it is certified that 651.75 hectare (1609.02 acres) of forest land proposed to be diverted in favour of General Manager, CCL Magadh-Amrapali for Construction Of NBCC Road and Coal Mining in Chatra district falls within jurisdiction of Kamta, Kumrang khurd, Masilong, Binglat, Kumrang kalan, Udsu, Kundi, Dewelgada, Kudlonga, Saradhu & Honhe villages in Tandiwa tehsil.

It is further certified that:

- (a) the complete process for identification and settlement of rights under the FRA has been carried out for the entire 651.16 hectare (1609.02 acres) hectares of forest area proposed for diversion. A copy of records of all consultations and meetings of the Forest Rights Committee(s), Gram Sabha(s), Sub-Division Level Committee(s) and the District Level Committee are enclosed as annexure I to annexure II.
- (b) the proposal for such diversion (with full details of the project and its implications, in vernacular/ local language) have been placed before each concerned Gram Sabha of forest-dwellers, who eligible under the FRA;
- (c) the each of concerned Gram Sabha(s), has certified that all formalities/processes under the FRA have been carried out, and that they have given their consent to the proposed diversion and the compensation and ameliorative measures, if any, having understood the purpose and details of proposed diversion. A copy of certificate issued by the gram sabha of Kamta, Kumrang khurd, Masilong, Binglat, Kumrang kalan, Udsu, Kundi, Dewelgada, Kudlonga, Saradhu & Honhe villages enclosed as annexure I
- (d) the discussion and decisions on such proposals had taken place only when there was a quorum of minimum 50% of the members of Gram Sabha present;
- (e) the diversion of forest land for facilities managed by the Government as required under section 3 (2) of the FRA have been completed and the Gram Sabhas have given their consent to it;
- (f) the rights of Primitive Tribal Groups and Pre-Agricultural Communities, where applicable have been specifically safeguarded as per section 3 (1) (e) of the FRA.

Encls.: As above.

  
**DEVENDRA PRASAD**  
Project Officer  
Amrapali Project

  
Jitendra Kumar Singh

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## **ANNEXURE-VII**

## **CHAPTER – VI**

### **METHOD OF MINING**

#### **6.1 OPENING OF THE OPENCAST**

Since the mine is already operational the mine is required to be extended towards both east and west direction from present working to develop the proposed floor haul road, installation of belt conveyor and optimization of overburden dumping. It is proposed that the proposed quarry is fully developed along strike length to gainfully deploy the higher size HEMM as envisaged in order to achieve the desired rated output and optimization of OB disposal.

#### **6.2 GEOLOGICAL & MINING CHARACTERISTICS**

The geological & mining characteristics of the proposed Amrapali Expansion Opencast (25 MTY) is given in Table 6.0. Total 10 numbers of coal seams/horizons including splits and mergers of seams occur within the above quarriable area.

Table No.6.0 - Geological and Mining Characteristics

Sl. No.	Particulars	Unit	East section	West section
A	Seam /Parting Thickness			
1	Top OB	m	10.00 - 140.00 (75.00)	10.00 - 150.0 (80.00)
2	IV	m	4.20 - 7.15 (6.00)	4.54 - 7.45 (5.80)
3	Parting	m	2.47 - 8.11 (5.50)	5.55 - 16.36 (10.50)
4	III Combined	m	5.00 - 10.24 (8.40)	4.12 - 9.25 (7.80)
6	Parting	m	5.24 - 12.22 (8.30)	5.89 - 18.78 (12.00)
7	II Top	m	1.30 - 3.42 (2.10)	0.21 - 2.77 (0.90)
8	Parting	m	2.81 - 13.69 (7.80)	4.31 - 17.39 (12.00)
9	II Bottom	m	0.70 - 5.00 (1.90)	0.20 - 2.53 (0.80)
10	Parting	m	4.35 - 32.97 (24.00)	1.82 - 17.91 (7.80)
11	I Top	m	1.53 - 9.44 (5.50)	3.20 - 9.33 (5.50)
12	Parting	m	1.04 - 22.62 (12.00)	1.27 - 18.47 (10.00)
13	I Middle	m	2.82 - 8.53 (7.50)	0.51 - 5.66 (1.50)
	I Middle + Top		8.28 - 17.13 (13.75)	11.16 - 14.86 (13.13)
14	Parting	m	1.09 - 6.02 (3.00)	2.80 - 30.71 (16.00)
15	I Bottom	m	5.44 - 9.82 (8.00)	4.85 - 11.10 (7.90)
16	I Bottom + Middle	m	5.74 - 19.59 (15.21)	-
17	I Bottom + I middle + I Top	m	15.55 - 27.14 (23.07)	-

Sl. No.	Particulars	Unit	East Section	West Section
B	Seam Gradient	Degrees	3-6	6-8
C.	Specific Gravity of Seams			
7	IV	t/cum	1.61	1.62
8	III Combined	t/cum	1.65	1.66
11	II Top	t/cum	1.66	1.65
13	II Bottom	t/cum	1.71	1.70
17	I Top	t/cum	1.72	1.69
18	I Middle	t/cum	1.69	1.70
19	I Middle+ I Top	t/cum	1.71	1.72
20	I Bottom	t/cum	1.71	1.68
21	I Bottom+ I Middle	t/cum	1.72	-
	I Bottom+ Middle+Top	t/cum	1.72	-
D	Excavation Category (assumed)		50%III, 50% IV	50%III,50% IV



E	QUARRY PARAMETERS			
1	Maximum strike length along Quarry floor	Km	2.30	2.30
2	Maximum strike length along Quarry surface	Km	2.60	2.60
3	Maximum length of the quarry along dip along Quarry floor	Km	2.50	2.50
4	Maximum length of the quarry along dip along Quarry surface.	Km	2.80	2.80
5	Maximum depth of Quarry	M	220	225
6	Quarry area at surface	Sq.Km	6.62	5.37

### 6.3 MINING SYSTEM

The mining and geological conditions of the mine are as follows: -

- (a) Multiple seams to be worked
- (b) Gentle gradient of 3-7 deg (avg.) of the coal seams.
- (c) Variable thickness of OB/Partings.

Considering the above mining and geological conditions the method of mining adopted to extract coal and OB is inclined slicing method. Shovel-dumper mining system has been envisaged for OB removal in both the quarries. Coal winning is proposed to be carried out using Surface Miner – FE Loader-Dumper/ shovel-dumper combination. It is also proposed to respond to improvements in technology and equipments, which would result in, improved profitability and productivity parameters taking into account of safety and environmental parameters.

### 6.4 Design Criteria

The following design criteria have been adopted for the mining operations:

- No. of annual working days - 330
- No. of daily shifts - 3
- Duration of each shift - 8 hours

The opencast mine would be worked on the above 3 shifts/day and 7days/week schedule and the number of working days/year are adopted as 330.

## CHAPTER - XVIII

### MINE CLOSURE PLANNING

#### 18.1 INTRODUCTION

Mine closure encompasses rehabilitation process as an ongoing programme designed to restore physical, chemical and biological quality disturbed by the mining to a level acceptable to all concerned. It aims at leaving the area in such a way that rehabilitation does not become a burden to the society after mining operation is over. It must also aim to create a self-sustained ecosystem.

Mine closure operation is a continuous series of activities starting from day one of the initiation of mining project. As progressive mine closure is a continuous series of activities, it is obvious that the proposals of scientific mining have included most of the activities in the progressive mine closure plan.

Final mine closure plan as per statute, shall be considered to have its approval at least nine months before the date of proposed closure of mine. This period of nine months is reckoned as preparatory period for final mine closure operations.

Amrapali Mine shall have mine closure plan, which shall of two types:

- Progressive Mine Closure Plan; and
- Final mine closure plan

#### 18.2 PROGRESSIVE MINE CLOSURE PLAN

##### 18.2.1 Reclamation

A total of 2478.89 Ha. of Land is required for Amrapali opencast project for all the Variants. This mining plan has been prepared based on the Geological Reports of Amrapali geological block. The mining plan has been prepared to exploit 25.0 million te of coal per annum from opencast method by deploying shovel dumper combination.

The plan envisages OB dumping in external dump in the initial years (first 5 years), thereafter internal dumping has been proposed in the voids of Amrapali OCP. It is proposed to reclaim physically and biologically the excavated pit of Amrapali mine after dumping by OB material. Reclamation of external OB dump shall be taken up concurrently with the Amrapali opencast mine operation.

##### Phase-I: Physical /Technical Reclamation

In 1<sup>st</sup> phase OB dump shall be dozed and leveled to a bench slope angle of 37°. A layer of top soil is laid over this graded and leveled surface of OB dump. The internal dump shall be dozed and leveled to a bench slope of 28° to safe guard any slope failure during mining operation.

DEVENDRA PRASAD  
Project Officer  
Amrapali Project

### Phase-II: Biological Reclamation:

Biological reclamation is the Phase-II of reclamation process. Revegetation covers in terms of grass, trees of appropriate species are raised over physically reclaimed OB dump.

The reclamation of external OB dump shall be done concurrently with the Amrapali mine operation. Most of the mined out area shall be reclaimed by overburden dump of Amrapali Mine and balance area shall be converted into water body of very shallow depth after regarding and filling up the mined out area at the final stage. The total requirement of land for Magadh Opencast Project of 25.0 MTY has been estimated as 2478.89 Ha. for all the Variants. The break-up of land use is shown in the following table:

Sl. no	Particulars	Area in Ha.		
		Forest land	NonForest Land	Total
1	Quarry			
2	OB dump	683.96	514.73	1198.69
3	Workshop	41.20	47.96	89.16
4	Office & Other Infrastructures	16.07	0.00	16.07
5	CHP	28.48	13.68	42.16
6	Washery	38.64	2.65	41.29
7	Railway siding	50.00	0.16	50.16
8	FBC Plant	158.04	72.44	210.48 ✓
9	Haul Road	58.72	76.98	135.70
10	Embankment/ Garland drain	30.00	4.00	34.00 ✓
11	Diversion of public Road	6.79	18.63	25.42
12	Nala Diversion	0.00	1.50	1.50 ✓
13	Phase-II Operation	2.85	0.25	3.10
14	Safety zone/Green belt etc.	39.52	31.55	71.07
15	Colony	181.45	161.87	343.32
16	land for CSR,R&R,Security Establishment etc.1	0.00	100.56	100.56 ✓
17	land for CSR,R&R,Security Establishment etc.2	0.00	46.99	46.99
18	land for CSR,R&R,Security Establishment etc.3	0.00	34.20	34.20
19	land for CSR,R&R,Security Establishment etc.3	0.00	35.02	35.02
19	Total Land Required	1315.72	1163.17	2478.89
20	Land already acquired	531.64	0.00	531.64
21	Net Land to be acquired	784.08	1163.17	1947.25



**18.2.2 Air Quality Management Plan:**

Following mitigation measures are required to be done to control the air quality during mining operation

- All blast hole drills are to be fitted with dust collection arrangements
- Water sprinklers are to be provided for dust suppression on haul roads and industrial area
- Creation of green belt along roads and plantation in vacant land
- Air Quality of mine shall be taken and analyzed on a regular interval.

**18.2.3 Water Quality Management Plan:**

Following water Quality protection measures are suggested:

- Industrial effluent treatment plant
- Sedimentation pond for treatment of mine water
- Garland drains to arrest surface run-off flowing in to mine pit.
- Intercepting drains to collect water from external dumps.
- Biological reclamation of disturbed land to arrest siltation.

**18.2.4 Waste Management:**

Solid wastes that will be generated in course of coal mining are overburden material consisting of fragments of sandstone/shale of assorted size. They have not been found to generate acid mine drainage or leach high quantity of heavy metals.

A total of 949.96 Mcum of OB will be removed and only 35.86 Mcum of the OB is proposed to be dumped externally.

Several mitigation measures are proposed to for stabilization of external dump and prevent siltation and erosion.

- A Toe wall is proposed at the foot of the external dump.
- A series of open drains to be provided on dump body to arrest surface run-off and prevent siltation.
- Grasses are to be grown on dump slopes to minimize soil erosion.

**18.2.5 Top Soil Management**

In mining plan, it has been proposed to excavate top soil separately. This top soil shall be used for reclamation of the external & internal OB dump and other degenerated land for vegetation.

**18.2.6 Safety & Security**

While carrying out all kinds of mining and allied activities in the project, the safety rules in force as per Rules and Regulations made under Mines-Acts- 1952 will be observed and required safety measures taken. Circulars issued time to time regarding safety to the personnel and equipment of the mine and to improve the working conditions of the mine, the mining plan envisages:

- Measures to prevent industrial accidents
- Measures to ensure stability of benches and OB dumps.
- Measures to ensure safety of equipment
- Measures to control fire
- Measures to control dust and emission of noxious gases
- Measures for pollution control.

**18.3 Final MINE Closure Plan (Conceptual)**

Mine closure operations is proposed to be undertaken after examination and detailed study that there is no further expansion possibility of the mine and the void is to be suitably filled up so that the land is utilized gainfully by the society. Intermediate stoppages of operations due to any reasons for a period of time do not come under the proposed scheme of mine closure. This chapter proposes following aspects:-

- A. Technical Aspects
- B. Environmental Aspects
- C. Social Aspects
- D. Financial Aspects

**18.3.1 TECHNICAL ASPECTS:**

- ✓ Safety aspects.
- ✓ Pit slopes and waste dumps.
- ✓ Hydrology and hydrogeology.
- ✓ Details of decommissioning of the infrastructures.
- ✓ Closure of entries like pits and entry to the mine.

### 18.3.2 Safety

After attaining the final stage dump (including internal dump) the remaining portion between dump toe and final stage Quarry floor should be fenced properly so that no human being or stray animals should be trapped within. Internal dumps are proposed to be suitably re-graded to avoid deep trenches.

### 18.3.3 Pit Slopes and waste dumps:

The final pit slopes are designed to avoid any slope failure. Technical study is proposed to be conducted before deciding upon the final slope. Both the external and internal Dumps are designed in such a way that there are minimal chances of slope failure. The external Dump is sloped ultimately in the overall range of 25 degree to 28 degrees. The internal dump slopes are designed at milder gradient so that even with the percolation of water in the dip side of the quarry, the dumps remain stable. It is proposed that the internal and external dump must be provided with toe walls/ silt arrestors and garland drains. Vegetation cover on surface of these dumps is proposed to be ensured as a final closing operation.

### 18.3.4 Hydrology and Hydrogeology:

In the mine closure plan, the surface flow pattern of precipitation and mine water drainage is envisaged to be examined and the water channel suitably laid down so that this is acceptable to the local community and it do not disturb the general hydrology of the area. Efforts are proposed to be made to regenerate the ground water resources.

### 18.3.5 Decommissioning of the Infrastructure:

The coal project develops lot of infrastructure for sustaining their operations. These include Workshop, Coal Handling Plant, Office Complex, Residential Complex, Roads, Pipe Lines and Transmission Line. Decommissioning of the infrastructure should be planned in such a way that the Land occupied by these infrastructures is released. However these infrastructures are proposed to be reused for the neighboring projects /mine.

### 18.3.6 Closure of entry to the mine:

All entries to the mine must be effectively sealed. This will prevent illegal mining, entry of fire and water etc.



## 18.4 ENVIRONMENTAL ASPECTS

Chapter - XVIII

- ✓ Air, water, dust.
- ✓ Reclamation of forest/vegetation.
- ✓ Management of recharge areas.
- ✓ Acceptable surface and ground water flows.
- ✓ Alternative use of land

### 18.4.1 Air, water, dust:

It is proposed that air quality, water quality and dust level is to be monitored. Necessary actions to check the pollution from the closed mine, if any, in respect of air, water and dust is to be taken after examining the local site conditions then prevailing.

### 18.4.2 Reclamation of Forests/vegetation:

It is proposed that major portion of the project area is covered with vegetation. This will involve both forest land as well as non-forest land. Certain areas, mostly industrial areas, where service building are proposed to be located and to be used are not proposed for plantation.

### 18.4.3 Management of recharge areas:

It is proposed that the recharge areas are fully utilized and sufficient availability of water, if feasible, is ensured to enhance ground water availability.

### 18.4.4 Surface and ground water flows:

In the final stage, wherever the mine water is likely to flow out to surface and meet the natural drainage system, the quality of water is proposed to be assessed and flow pattern for mine water be properly modified/ redesigned. Alternately, the water treatment arrangements may be considered depending upon the local site conditions.

**18.4.5 Alternative use of land:**

During the mining operation, the land usage changes from its pre-mining scenario. The final stage land use plan shows the use of land in a post-mining scenario when coal-mining operations have completed. Alternative use of land, specially released from infrastructure areas and vacant areas, as proposed to be planned and properly designated for post-mining land uses depending on the existing conditions prevailing at that point of time. While for OB dumps and acquired forest areas, vegetation and afforestation has been proposed as a final land use. While agriculture may be the best land use, if feasible, and if it is supported by some irrigation facilities.

**18.5 SOCIAL ASPECTS:**

- ✓ Re-deployment of work force.
- ✓ Management of community facilities
- ✓ Canalization of available water

**18.5.1 Re-deployment of work force:**

The peak work force required for mine operations is in the first few years of the mine when construction activities as well as operational activities achieve their peak.

This work force slowly goes down with completion of development and when only the operational work remains. Again near the end of the mine life, say 4-5 years before closure, the activity of the mine starts getting reduced and therefore management gets opportunity to taper the operational manpower. After closure, skeleton service people are proposed to be left for continuing with the actual closure operations. The reduction of manpower could be done as per the following options:

- Natural retirement.
  - Implementation of VRS schemes for age group of +50.
  - Retraining and redeployment of younger groups - 40.
  - Transfer of experienced middle-aged groups between 40-50 years to other projects.
- Retrenchment of people with suitable compensation after exhausting all the above options.

Dr. V. N. K. ASAD  
 Project Officer  
 Amrapali Project

## 18.5.2 Management of Community Facilities

Chapter - XVIII

The community facilities are proposed to be developed by coal projects for betterment of the neighboring community. The project management provides or assists in developing educational facilities, health facilities, community halls and also some communication facilities. After the mine closure, these facilities are to be continued for the neighboring communities to the possible extent. The closure plan will envisage interaction of mining company with the state or local bodies who will take over these facilities and run the same for the community. The coal companies towards running these facilities, which is proposed to be taken care of by the local/state bodies, may make a onetime payment.

## 18.5.3 Canalization of available water:

If it is found that the mine is having sufficient water and on closure, the mine water flows into the surface watercourses, canalizing this water for surrounding community for their irrigational/domestic uses may be taken up.

## 18.6 FINANCIAL ASPECTS:

- ✓ Creation of a corpus fund for the final mine closure
- ✓ Cost of progressive closure activities.
- ✓ Cost towards organization for executing the closure activities.
- ✓ Cost of the post project monitoring
- ✓ Bond/insurance for the closure cost

### Financial Assurance:

As proposed above, many activities are to be undertaken for progressive mine closure plan concurrently with the mine operation and final closure plan after the closure of the mine, which naturally will involve expenditure. Some of the closure activities will, in fact, form part of normal mining operations. However, some activities are proposed to be addressed only after completion of the coal mining operations.

It is proposed to create a fund for mine closure from the retain earnings of the project @ Rs. 6 lakhs per hectare of lease hold area., Apart from this, an amount of Rs 62.04 Crores is proposed for capital expenditure on HEMM for progressive mine closure activities for Variant-I. Provision has also been made for Corporate Social Responsibility as per Coal India norms. After the completion of the coal mining, an organization consisting of persons of different disciplines is proposed to be maintained to undertake and implement the closure activities. The organization may be provided with a vehicle for



discharging day-to-day duties. Maintenance cost of this organization is proposed from the retain earnings of the project. A small team consisting of 2-3 technical people may be required to oversee the efficacy of the closure activities. This monitoring may be conducted for 4-5 years after the mine closure activities.

### The details of escrow account

The total lease area required for all the Variants including the forest land in safety zone is 2478.89 Ha. So the corpus based on August, 2009 rate is Rs. 14873.34 Lakh @ Rs. 6.0 Lakh/Ha. of lease area. The wholesale price Index in August 2009 and June 2015 is 129.60 and 179.10 respectively. So the current value of corpus is Rs 14873.34\*179.10/129.60 Lakh, which comes to Rs. 20554.13 lakh. This corpus is to be divided by life of mine. Life of the mine is 22 years. So, by dividing by 22, the annual corpus comes to Rs 934.28 Lakh. This amount is to be deposited in escrow account every year with 5% escalation as per the table given below:-

Escrow Account	
Year	Amount
1	934.28
2	980.99
3	1030.04
4	1081.54
5	1135.62
6	1192.40
7	1252.02
8	1314.62
9	1380.36
10	1449.37
11	1521.84
12	1597.93
13	1677.83
14	1761.72
15	1849.81
16	1942.30
17	2039.41
18	2141.38
19	2248.45
20	2360.88
21	2478.92
22	2602.87
Total	35974.60

### 18.7 Disaster Management Plan & Risk Management:

There are various elements of risks in operation of the mine. They include following -

- ✓ **Slope failure of External OB dump** - OB proposed is planned to be stacked in internal and external dumps having a total height of 90m in three tiers of 30m each. The OB material consists of assorted size of sandstone fragments, other geological strata and sub-soil. It has to be ensured that slope of OB Dumps do not fail as it would cause damage to life & property.
- ✓ **Slope failure of Internal Dump** - The slope of the backfilled mass is dynamic i.e. it moves every day. It has to be ensured that slope of backfilled mass is safe otherwise it may pose risk to life & property and interrupt the mining operations.
- ✓ **Stability of High walls** - In course of opencast mining slopes if created on high wall sides in coal and OB/ interburden formations unless properly planned, they may fail. It is proposed to undertake slope stability analysis to avoid slope failure.
- ✓ **Fire** - There may be fire in working, store, industrial installations and other service building provided for the mine.
- ✓ **Inundation** - The open pit will collect water from direct precipitation and surface run-off from surrounding areas. This may lead to inundation of the mine pit.
- ✓ **Seismic activities** - The project is located in low risk seismic zone area.

#### Ameliorative Measures

- Following ameliorative measures have been envisaged to be taken to prevent the risks/accidents:-
- Slope stability analysis is required to be conducted for high wall slopes, External Dumps and Internal Dump slopes.
  - Adequate fire fighting arrangements to be made.
  - For preventing mine inundation, sufficient pumping arrangements have been made to pump out the pit water continuously.
  - Garland drains have been proposed around mine pit to intercept surface run-off.
  - Medical facilities - A hospital with necessary infrastructure, doctors and paramedical staff and ambulance has been proposed to take care of emergency situation





Scale: 1:10000

# AMRAPALI OCP



PLATE - 4

CENTRAL WINE PLANNING AND DESIGN INSTITUTE LIMITED	
ISO 9001 CERTIFIED	
AMRAPALI OCP	
WINE CLOSURE PLAN	
Scale	1:10000
Drawn	10/01/2018
Checked	10/01/2018
Approved	10/01/2018
CENTRAL COAL FIELDS LIMITED	

## **ANNEXURE-VIII**



भारत सरकार / Government of India  
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय  
Ministry of Environment, Forest & Climate Change  
एकीकृत क्षेत्रीय कार्यालय/Integrated Regional Office

पता: द्वितीय तल, झारखण्ड राज्य आवास बोर्ड मुख्यालय, हरमू चौक, राँची, झारखण्ड - 834002  
Add: 2<sup>nd</sup> Floor, Headquarter-Jharkhand State Housing Board, Harmau Chowk, Ranchi, Jharkhand - 834002  
Tel: 0661-2410002, 2410007; E-mail: ro.ranchi-mef@gov.in



No.FP/JH/ENCRH/150436/2021/553 Date: 15<sup>th</sup> September, 2022

To

The Addl. Chief Secretary,  
Department of Forests, Environment & Climate Change,  
Government of Jharkhand,  
Nepal House, Ranchi.

Sub: In-principle (Stage-I) approval of Central Government under Forest (Conservation) Act 1980 for regularization of encroachment and ex-post-facto approval of 8.38 ha of forest land in favour of M/s CCL for construction of road from Honhe to Shivpur Railway siding under Chatra South Forest Division, Chatra district of Jharkhand - reg.

Sir,

I am directed to refer to you the Jharkhand Govt. letter No.Van Bhumi-05/2022-1094/Va.Pa. dated 6.04.2022 and letter No.Van Bhumi-05/2022-2226/Va.Pa. dated 31.07.2022 of the State Government, Jharkhand on the above mentioned subject seeking prior approval of the Ministry of Environment, Forest and Climate Change under section 2 of Forest (Conservation) Act, 1980.

After due consideration of the proposal of the State Government, on the basis of decision of Regional Empowered Committee in its 50<sup>th</sup> meeting and approval of the competent authority of Ministry for regularization of encroachment, the "in-principle" approval of Central Government, is hereby conveyed for regularization of encroachment and ex-post-facto approval of 8.38 ha of forest land in favour of M/s CCL for construction of road from Honhe to Shivpur Railway siding under Chatra South Forest Division, Chatra district of Jharkhand, subject to the following conditions and stipulations.

A: Conditions which need to be complied prior to handing over of forest land by the State Forest Department.

- (1) The cost of compensatory afforestation on the CA land (83.8 ha, ten times of the area applied for regularization encroachment) at



the prevailing wage rates as per compensatory afforestation scheme (including the cost of survey, demarcation and erection of permanent pillars etc. as required for securing the land against encroachment) shall be deposited in advance with the State Forest Department by the project authority. The CA will be maintained for 10 years. The scheme may include appropriate provision for anticipated cost increase for works scheduled for subsequent years. The CA scheme shall be prepared and approved by the Competent Authority. The CA scheme, CA land suitability certificate and kml file of proposed CA land shall be uploaded in Parivesh portal prior to Stage-II approval.

- (2) The State Government shall charge the Net Present Value (NPV) for the 8.38 ha forest area to be diverted under this proposal from the User Agency as per the order of the Hon'ble Supreme Court of India dated 30/10/2002, 01/08/2003, 28/03/2008, 24/04/2008 and 09/05/2008 in IA No. 566 in WP (C) No. 202/1995 and as per the guidelines issued by the Ministry vide letters No. 5-1/1998-FC (Pt.II) dated 18/09/2003, as well as letter No. 5-2/2006-FC dated 03/10/2006 and 5-3/2007-FC dated 05/02/2009 in this regard and letter No.5-3/2011-FC(Vol-I) dated 6/1/2022 in this regard.
- (3) The User Agency shall pay five times penal NPV for the area applied under regularization of encroachment.
- (4) The cost of plantation and 10 years maintenance over the area under regularization to restore into forest area after five years utilization of road, shall be deposited in advance with the State Forest Department by the Project Authority.
- (5) All the funds received from the user agency under the project shall be transferred / deposited to CAMPA fund only through e-portal (<https://parivesh.nic.in/>).
- (6) The status of the all the actions taken by the State Forest Department under the IFA 1927 in the matter of violation, will be submitted to IRO before Stage-II approval.
- (7) The User Agency will initiate disciplinary proceedings against the erring officials and a report in this regard may be submitted in this office.
- (8) The complete compliance of the FRA, 2006 shall be ensured by way of prescribed certificate from the concerned District Collector.


- (9) The KML files of the area to be diverted and the CA area shall be uploaded on the e-Green watch portal with all requisite details and submitting compliance report for seeking Stage-II approval.
- (10) Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as prescribed in para 1.21 of Chapter 1 of the Handbook of Comprehensive Guidelines of Forest (Conservation) Act, 1980 as issued by this Ministry's letter No.5-2/2017-FC dated 28.03.2019.
- (11) The compliance report shall be uploaded on e-portal (<https://parivesh.nic.in/>).

**B: Conditions which need to be strictly complied on field after handing over of forest land to the User Agency by the State Forest Department but the compliance in form of undertaking shall be submitted prior to Stage-II approval;**

- (1) Legal status of the forest land shall remain unchanged.
- (2) Compensatory afforestation shall be taken up by the Forest Department over 83.8 ha. degraded forest land at the cost of the user agency. As far as possible, a mixture of local native species shall be planted and monoculture of any species, especially non-native species should be avoided.
- (3) Additional amount of the NPV of the diverted forest land, if any, becoming due after finalization of the same by the Hon'ble Supreme Court of India on receipt of the report from the Expert Committee, shall also be charged by the State Government from the User Agency. The User Agency shall furnish an undertaking to this effect.
- (4) The User Agency will not use the forest land in question unless the Stage-II approval is issued in the proposal. **No Temporary Working Permission will be applicable in this matter, considering it a case of willful violation of the Acts.**
- (5) State Government shall ensure that no other case of user agency involving encroachment and violation related to road or land use change in the related coal block is forwarded to ministry and such cases shall be rejected summarily.



- (6) The Honhe-Shilpur Sliding Road will be utilized for coal transportation up to next five years from the date of issuance of Stage-II approval and the road will be dismantled after five years. The cost dismantling will be borne by the User Agency.
- (7) The boundary of the diverted forest land shall be suitably demarcated on ground at the project cost, as per the directions of the concerned Divisional Forest Officer.
- (8) The User Agency shall raise strip plantation on both sides of the road.
- (9) The User Agency shall obtain the Environment Clearance as per the provisions of the Environmental (Protection) Act, 1986, if required.
- (10) The layout plan of the proposal shall not be changed without prior approval of Ministry of Environment, Forest and Climate Change.
- (11) (a) No labour camp shall be established on the forest land.  
(b) Earth or any other material shall not be brought from and debris resulting during construction shall not be disposed of in the adjoining forest area by the user agency.
- (12) (a) The period of diversion under this approval shall 5 years from the date issuance of Stage-II approval.  
(b) The forest land shall not be used for any purpose other than that specified in the project proposal.  
(c) The forest land proposed to be diverted shall under no circumstances be transferred to any other agencies, department, or person without prior approval of Ministry of Environment, Forest and Climate Change.
- (13) While ensuring appropriate legal action against the offenders in the extant case, the State Government shall ensure that such incidences of encroachment of forest land are not repeated in future.
- (14) The State Government shall monitor the compliance of conditions of Stage-I approval and ensure that Compliance Report of the stipulated conditions in Stage-I approval should be submitted at the earliest in IRO for further processing of Stage-II approval.
- (15) Any other condition that the Ministry of Environment, Forest & Climate Change may stipulate from time to time in the interest of conservation, protection and development of forest & wildlife.

  
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2. After receipt of the compliance report regarding fulfillment of the conditions as stipulated above, from the State Government, formal approval will be issued in this regard under Section 2 of Forest (Conservation) Act, 1980. Transfer of forest land to user agency should not be given effect to by the State Government till formal order approving diversion of forest land is issued by the Ministry of Environment, Forest and Climate Change.

Yours sincerely,

/ (Shashi Shankar)  
Assistant Inspector General of Forests (Central)

Copy to:-

1. The IGF, RO(HQ), Ministry of Environment, Forests and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi - 110 003.
2. The Principal Chief Conservator of Forests (HoFF)/ The PCCF-cum-Nodal Officer (FC), Forests, Environment & Climate Change Department, Government of Jharkhand, Van Bhavan, Doranda, Ranchi.
3. The Divisional Forest Officer, Chatra South Forest Division, Jharkhand.
4. CMD, CCL, Ranchi, Jharkhand.
5. The Project Officer, Amrapali, P.O - Saradhu, PS - Tandwa, Dist - Chatra - 825321.
6. Guard File.

*[Signature]*  
15/9/2022  
Assistant Inspector General of Forests (Central)

5  
*[Signature]*  
DEVENDRA PRASAD  
Project Officer  
Amrapali Project

## **ANNEXURE-IX**



**CENTRAL COALFIELDS LIMITED**  
(A Mini Ratna Company)  
**OFFICE OF THE PROJECT OFFICER**  
**AMRAPALI PROJECT, HONHE**



**Subject:-Pointwise compliance of conditions of stage-II Clearances for 531.64 Ha forest land of Amrapali OCP, CCL issued by MoEF&CC, Govt. Of India, vide F.No.8-48/2008-FC dated 12.10.2010**

S.No	Conditions	Compliance	Action Taken Report/ Help Required															
1.	Legal status of forest land shall remain unchanged.	<b>Complied</b> CCL undertakes that the legal status of forest land shall remain unchanged.	<b>Complied</b>															
2.	Compensatory afforestation shall be raised and maintained by the State Forest Department at the project cost.	<b>Complied</b> A total payment of Rs 48,74,87,771/- has been paid in respect of Amrapali OCP in Ad HOC CAMPA for compensatory Afforestation, Net Present Value & Safety zone. <table><tr><th>Sl No.</th><th>Payment Head</th><th>Amount Paid (In Rs)</th></tr><tr><td>1</td><td>Compensatory Afforestation</td><td>16,25,50.68</td></tr><tr><td>2</td><td>Net Present Value</td><td>42,6906920</td></tr><tr><td>3</td><td>Safety zone (fencing, regeneration etc)</td><td>24,18,300</td></tr><tr><td colspan="2">Total Payment</td><td>48,74,87,771/-</td></tr></table>	Sl No.	Payment Head	Amount Paid (In Rs)	1	Compensatory Afforestation	16,25,50.68	2	Net Present Value	42,6906920	3	Safety zone (fencing, regeneration etc)	24,18,300	Total Payment		48,74,87,771/-	<b>Complied</b>
Sl No.	Payment Head	Amount Paid (In Rs)																
1	Compensatory Afforestation	16,25,50.68																
2	Net Present Value	42,6906920																
3	Safety zone (fencing, regeneration etc)	24,18,300																
Total Payment		48,74,87,771/-																

  
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 Project Officer  
 Amrapali Project



2b

Fencing, protection and regeneration of the safety zone area shall be done at the project cost. Besides this, afforestation on degraded forest land, to be selected elsewhere, measuring one and a half times the area under safety zone shall also be done at the project cost.

**Being Complied**

A total payment for Safety zone is as below.

Sl No.	Payment Head	Amount Paid (In Rs)
1.	Safety zone (fencing, regeneration etc)	24,18,300
Total Payment		24,18,300

Where Rs. 2173698 against fencing and Rs. 244602 against protection & regeneration of the Safety zone area.

Further a surface plan depicting the area for safety zone i.e 3.5 km has been submitted on 05-12-2018 to DFO, Chatra south office vide ref no:- PO/ Amrapali OC/Forest/2018-19/1723. Dated 3.12.18.

**Being Complied**  
**Help required**

1. CCL HQ Env't & Forest Department:- In pursuing with Higher Officials of State Forest Department for Fencing, protection and regeneration of Safety zone as Payment made & Area has already been submitted.

2c

Wherever possible and technically feasible, the user agency shall undertake by involving local community, the afforestation measures in the blanks within the lease area, as well as along the roads outside the lease area diverted under this approval, in consultation with the State Forest Department at the project cost.

**Complied**

Total 89234 saplings have been planted in different location in Amrapali Project from 2015 to 2021.

- In Monsoon 2021, Plantation work in 23 Ha Backfilled area of approx. 57500 plants completed by State Forest Department.
- About 4000 saplings of multi species planted/distributed during Vriksharopan abhiyan 2021 for development of Green Belt in and around the mine site.

**Complied****Help required**

- CCL HQ Env't & Forest Dept:- Award of Plantation/ Nursery through State Forest Department for Monsoon 2022.
- More areas required for Monsoon Plantation 2022 from Survey Department.

DEPARTMENT OF PRASAD  
Project Officer  
Amrapali Project

		<p>c. Approx 2600 species of drought hardy nature have been planted in 2020 at Binglat O/B dump.</p> <p>d. Around 25134 plants have been planted for raising of Green Belt / Block plantation.</p> <p>e. Seed Balls has been spread over slope of OB dump.</p>	
3	Following activities undertaken by the project proponent under the supervision of the State Forest Department at the Project cost:	<b>Complied</b>	<b>Complied</b>
3i	Proper mitigate measures to minimize soil erosion and choking of streams shall be prepared and implemented.	<p><b>Complied</b></p> <p><b>Check dams:-</b></p> <ol style="list-style-type: none"> <li>1. Construction of 1 no check dam at Dhudhmatia nallah near Binglat OB dump completed.</li> <li>2. Construction of 4 Nos of Check Dam at Amrapali Mine has been completed at D/S of Dhudhmatia nallah, Parsna Village, near Godwar village mandir &amp; Godwar village.</li> <li>3. The work of making of Siltation Pond at Y-More near gate no.03 (Ursu checkpost) completed.</li> <li>4. Construction of 1 number of Checkdam at Honhe completed.</li> </ol>	<p><b>Complied</b></p> <p><b>Help Required</b></p> <ol style="list-style-type: none"> <li>1. Civil Department:-Expedite the awarded work for Slope Stabilization and Jute Netting for Dudhmatia Nallah.</li> <li>2. Desiltation of Catch Drains &amp; Sedimentation Pond.</li> </ol>


  
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 Amrapali Project

3ii	Planting of adequate drought hardy plant species and sowing of seeds to arrest soil erosion.	<b>Complied</b> Total 89234 saplings have been planted in different location in Amrapali Projrct from 2015 to 2021.	
3iii	Construction of check dams, retention/ toe walls to arrest sliding down of the excavated material along the contour.	<b>Check dams:-</b> (1). Construction of 1 no check dam at Dhudhmatianallah near Binglat OB dump is Completed in 2018-19.  a) Construction of 4 Nos of Check Dam at Amrapali Mine has been completed at D/S of Dhudhmatia nallah, Parsna Village, near Godwar village mandir & Godwar village.  b) The work of making of Siltation Pond at Y-More near gate no.03 (Ursu checkpost) completed. c) Construction of 1 number of Checkdam at Honhe.  <b>Catch Drain:-</b> a. Construction of Catch drain of 3 Km length & 01 nos of Siltation Pond are completed along the Toe wall at Northwest side of Binglat OB Dump.  b. Construction of Catch drain of 2 Km length & 02 nos of Siltation pond around Honhe OB Dump is completed.  c. Work completed for making of catch drain and siltation pond at different coal stock.	

  
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Amrapali Project




		<p>d. Work completed for making of quarry boulder retaining wall between Top Soil &amp; OB dump along with catch drain &amp; Siltation pond on Top soil.</p> <p><b>Retaining Wall:-</b></p> <p>a. In the OB dump at Binglat, toe wall has been constructed 3 km length at the North-west side of the OB dump.</p> <p>b. Construction of extended 500m length of Toe wall at first bench of Binglat OB Dump is completed.</p> <p>c. Construction of quarry boulder retaining wall at Honhey Ob dump is completed with garland drain for 2 Km of length.</p> <p>d. Work awarded and completed for making of quarry boulder retaining wall between Top Soil &amp; OB dump along with catch drain &amp; Siltation pond on Top soil under Amrapali Project.</p>	
3iv	<p>The areas shall be reclaimed keeping in view the international practice of stabilizing the dumps by grading/ benching so that angles of repose at (normally less than 28 at any given places) are maintained.</p>	<p><b>Being Complied</b></p> <p>OB Dumping has been stacked at earmarked dump site with proper terracing of OB and slope is maintained as per statutory provisions.</p>	<p><b>Help Required</b></p> <p>Technical Reclamation &amp; Rehandling of Honhe OB Dump need to be Expedite.</p>

  
 OFFICE OF THE  
 SECRETARY  
 MINISTRY OF  
 LAND AND MINES

3(V)	The top soil management plan should be strictly adhered to.	<p><b>Complied</b> The top soil (2.6 Lakhs m3) has been preserved near Honhe OB dump and its ploughing, use of farm yard manure and sowing of mustard seeds done to maintain the fertility of soil.</p> <p>It shall be laid as per top soil management plan when the OB dump will reach its designed height. Plan is enclosed depicting the site of top soil preservation.</p> <p>Top soil has been spread over the 23 Ha reclaimed area for plantation.</p>	<p><b>Complied</b> <b>Help Required</b> As Rehandling of Honhe OB Dump &amp; Top Soil dump is in progress. Therefore a new Top Soil Dump site may be required to Manage it Properly.</p>
4.	The approval under the Forest (Conservation) Act, 1980 is subject to the clearance under the Environment (Protection) Act, 1986 and any other Acts/Regulation/ Rules.	<p><b>Complied</b> Environmental Clearance of 20.16 MTPA capacity has been granted to Amrapali Project by MoEF&amp;CC &amp; CTE and CTO of 20.16 MTPA has been granted from JSPCB Ranchi.</p>	<b>Complied</b>
5.	The period of diversion under this approval shall be thirty (30) year subject to possession of valid lease by User Agency under the MMDR Act, 1957.	<p><b>Complied</b> CCL undertakes that the period of diversion under this approval shall be thirty (30) years</p> <p>Land has been acquired under CBA(A&amp;D) Act 1957 under section: 9(i) by S.O no 1381 dated 10.2003 &amp; 1147 dt 14.03.2016 &amp; 2832(E) dt 30.8.2017</p>	<b>Complied</b>
6.	The User Agency shall furnish an undertaking to pay the additional NPV, if so determined, as per the final decision of Hon'ble Supreme Court of India.	<p><b>Complied</b> Project Authority under takes to pay the additional NPV, if so determined, as per final decision of Hon'ble Supreme Court.</p>	<b>Complied</b>


  
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7.	Demarcation of mining lease area will be done on the ground at project cost using four feet high reinforced cement concrete pillars with serial numbers, forward & backward bearing and distance from pillar to pillar.	<b>Complied</b> Demarcation of diverted forest area has already been done as per condition laid out.	<b>Complied</b>
8.	Mining/ reclamation schedule shall be implemented by the user agency at their cost as per Environmental Management plan/ Phase reclamation programme. The annual report about the progress of reclamation should be submitted to the CCF (Central), Bhubaneswar.	<b>Being Complied</b> Total 89234 saplings have been planted in different location in Amrapali Project from 2015 to 2021.  In Monsoon 2021, Plantation work in 23 Ha Backfilled area of approx. 57500 plants completed by State Forest Department  Technical reclamation has been done, and is in process. Mine reclamation plan has been prepared and submitted vide letter no. GM/MA/14-15/1310 dated 24.01.2015.  Reclamation of mined out area includes both technical reclamation and biological reclamation (afforestation). The biological reclamation of the mines of CCL is undertaken by State Forest Department.  The status of reclamation is also monitored by Satellite on a regular basis and its report is available on official website of CCL.  The status of reclamation of mines of CCL is	<b>Being Complied</b> <b>Help Required</b> Technical Reclamation & Rehandling of Honhe OB Dump need to be Expedite.


  
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		also submitted to Regional Office, MoEF&CC as part of six monthly compliance of EC conditions.	
9.	In addition to above, the user agency shall undertake rehabilitation of the used/ mined out pits/ voids as per plan for rehabilitating of abandoned mines in CCL command area under the supervision of the State Forest Department. The annual report about the progress of rehabilitating should be submitted to the CCF (Central), Bhubaneswar.	<p><b>Being Complied</b></p> <p>Reclamation of mined out area includes both technical reclamation and biological reclamation (afforestation). The biological reclamation of the mines of CCL is undertaken by State Forest Department. The status of reclamation is also monitored by Satellite on a regular basis and its report is available on official website of CCL.</p> <p>In Monsoon 2021, Plantation work in 23 Ha Backfilled area of approx. 60000 plants completed by State Forest Department.</p>	<p><b>Help Required</b></p> <p><b>CCL HQ Env't &amp; Forest Dept.:-</b></p> <p>Remote sensing Survey of reclamation of mines required.</p>
10.	The user shall also take up study on soil erosion/ soil flow from the over-burden areas with the help of GIS in consultation with forest department.	<p><b>Yet to be Complied</b></p> <p>A request has been made to Institute of Forest Productivity to undertake scientific studies for conservation &amp; utilization of top soil &amp; development of methodology of translocation of native ecosystem for mine site restoration.</p>	<p><b>Yet to be Complied</b></p> <p><b>Help Required:- CCL HQ Env't &amp; Forest Department may help in third party survey and detailed studies in FY 2022-23.</b></p>
11.	The area within the lease, but outside diversion, be conserved and developed as Green Belt at project cost the user agency.	<p><b>Being Complied</b></p> <p>In FY 2021-22, it is proposed to develop 4 KM of green belt along the NBCC road in two row with 1.5 m spacing. Out of the total length, work has been completed for 2.5 KM.</p> <p>Around 1000 plants have been planted as Green Belt within lease but outside diversion near</p>	<p><b>Being Complied</b></p>

  
 Project Officer  
 Amrapali

12.	The forest land shall not be used for any purpose other than that specified in the proposal	<p><b>Complied</b> CCL undertakes that the forest land shall not be used for any purpose other than that specified in the proposal.</p> <p>Forest land is being used for the purpose which has been indicated in the application for diversion.</p>	Complied
13.	Any tree felling shall be done only when it is unavoidable under strict supervision of the State Forest Department.	<p><b>Complied</b> Tree felling if required shall be done under supervision of forest department</p>	Complied
14.	No damage to the flora and fauna of the area shall be caused.	<p><b>Being Complied</b> No damage to the flora and fauna of the area other than the diverted area shall be caused. Nala diversion has been proposed from its natural course in such a way that its flow is not affected.</p>	Being Complied
15.	No labour camps shall be set up inside the forest area.	<p><b>Being Complied</b> No labour camp has been set up inside the subject forest area. It is being complied as per condition.</p>	<p><b>Being Complied</b> Temporarily/Movable Labour camp of AMPL-MIPL-JV required strict instruction from Area to not pollute and damage the flora &amp; Fauna of Dudhmatia River. Further proper</p>

  
 DWV/2024/10  
 Project Officer  
 Pimpri Chinchwad Municipal Corporation

			management of Solid & Hazardous waste with good Housekeeping Practices.
16.	The User Agency will make arrangement for free supply of coal to laborers and staff working on the projects site so as to avoid any pressure on the adjacent forest areas.	<p><b>Complied</b></p> <p>One cylinder of fuel gas is being supplied free of cost to each employee of CCL.</p> <p>The employee engaged by outsourcing agency are being provided food, where food are being prepared by LPG and no forest produce is being used in the above process. Hence the condition is being duly taken care off.</p>	<b>Complied</b>
17.	The user agency will implement the R&R Plan as per the R&R Policy of State Govt. in consonance with National R&R Policy before commencement of the work.	<p><b>Being Complied</b></p> <p>R&amp;R Policy of Coal India Limited based on R&amp;R Policy of Ministry of Rural Development, Govt. of India, it has already been approved by Ministry of Coal, Govt. of India and is already in practice.</p> <p>R&amp;R site has been finalized at Village Honhe Proposal for the same has been sent to CCL HQ.</p> <p>Land compensation for 35 acres has been paid till date.</p> <p>The land identified for proposed R&amp;R site of PAP has been acquired and the site shall be developed and handed over just after taking possession and shifting of the existing residence of PAPs.</p>	<p><b>Being Complied</b></p> <p><b>Help Required:-</b> CCL HQ to Approval the Proposal for R&amp;R Development and other related to Land Compensation &amp; Employment.</p>
18.	The User Agency, on a long term policy intervention, will	<p><b>Being Complied</b></p> <p>These activities are well covered in the CSR</p>	<b>Being Complied</b>

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	explore the possibility of establishing Vocational Training Institutes of training the local youths and period as part of its CSR.	and R&R Policies of the company.  In the meantime many CSR activities like construction of community building, tube wells, Infrastructure of school etc are being carried out in consultation with Panchayat representative.  60 PAP are being sent to Barkakana for skill development. Few PAP have been sent to St. Joseph Mander for education.  We have also provided education as well as physical training at Khelgaon to PAP. Additionally the outsourcing agency doing mining operation area engaging approx 250 PAP in their work.	
19.	The Project Proponent shall explore the possibility of sparing 100-150 m wide strip from diverted forest land on the northern side of its mines in the region for Rail line project, if geologically and geographically feasible and envisaged by the Railways.	<b>Being Complied</b> Online Forest application for Amrapali railway siding has been submitted vide FP/JH/RAIL/36506/2018 Dated 12 <sup>th</sup> October, 2018. Green belt shall be established after construction of railway siding beside it. Proposal is under scrutiny at state forest department.	<b>Being Complied</b>
20.	The User Agency will reclaim and surrender all area which was handed over to them 20 years back.	<b>Complied</b> The forest land diverted shall be surrendered after reclamation as per reclamation plan in accordance with the guidelines of MOEF&CC.	<b>Complied</b>

  
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21.	The User Agency shall take up the de-silting of the village tanks within five Km area from the mine lease boundary as a Corporate's social responsibility so as to mitigate the impact of siltation of such tanks if any.	<p><b>Complied</b></p> <p><b>Ponds-</b></p> <ol style="list-style-type: none"> <li>1. De-Siltation of 01 number of Pond Has been completed in Teliadih Village.</li> <li>2. De-Siltation of 01 no of Pond has been completed at Honhe.</li> <li>3. De-Siltation of 01 no of pond has been completed at Birhortola (Koyed).</li> <li>4. Construction of 1 No of pond at Ursu more is completed.</li> </ol>	<b>Complied</b>
22	Any other condition that the CCF (Central), Regional Office, Bhubaneswar, may impose from time to time for the protection and improvement of flora and fauna in the forests.	<p><b>Complied</b></p> <p>If any condition is imposed by CCF (Central), Regional Office, Bhubaneswar, in future it shall be duly abide by.</p>	<b>Complied</b>

## **ANNEXURE-X**



**PROFORMA TO BE FURNISHED FOR REMMITANCE OF FUND IN AD-HOC CAMPA**

S.NO.	Particulars	
1	Name of the Regional Office	IRO MoEF&CC, Ranchi
2	State/District/Forest Division to which the proposal related	State:-Jharkhand District:- Chatra Forest Division:-Chatra (S)
3	Name of the User agency	Central Coalfields Limited, Amrapali OCP (531.64 Ha)
4	Nature and category of proposal	Mining (Diversion of 531.64 Ha Forest land)
5	Proposal Number	FP/JH/MIN/740/2008
6	Extent of forest area involved	531.64 Ha
7	Whether original or extension	Original
8	If extension of lease, please clarify if proposal involves additional forest area, and if so, specify	Not applicable (Lease under CBA)
9	Date of Stage-I clearance	19.02.2009
10	Extent of CAMPA charges, head wise	
a	Compensatory Afforestation	Rs. 5,81,62,550.68  Remarks: On dated 31.03.2009, RTGS for Rs. 72,92,35,396 to CA01001587 of Ad-Hoc CAMPA, RTGS-UTR No. PUNBH09090076038 was made for four different projects including Amrapali OCP. Rs. 48,74,87,771.00/- was paid for Amrapali OCP out of which Rs. 5,81,62,550.68 was for CA.
b	Additional CA	Nil
c	Penal CA	Nil
d	Catchment Area Treatment	Nil
e	Wildlife Management Plan (for	Nil

  
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Project Officer  
Amrapali Project

	safety purpose)						
f	Additional Charges for diversion area falling under notified/protected area(i.e block plantation 5 times of tree to be felled)		Nil				
g	Net present value		Rs. 42,69,06,920.00 Remarks: On dated 31.03.2009, RTGS for Rs. 72,92,35,396 to CA01001587 of Ad-Hoc CAMPA, RTGS-UTR No. PUNBH09090076038 was made for four different projects including Amrapali OCP. Rs. 48,74,87,771 was paid for Amrapali OCP of which Rs. 42,69,06,920.00 was for NPV.				
h	Any other Charges/Levies (please specify)		1. Safety zone - Rs 24,18,300.00 Remarks: -On dated 31.03.2009, RTGS for Rs. 72,92,35,396 to CA01001587 of Ad-Hoc CAMPA, RTGS-UTR No. PUNBH09090076038 was made for four different projects including Amrapali OCP. Rs. 48,74,87,771 was paid for Amrapali OCP of which Rs. 24,18,300.00 was for Safety Zone (21,73,698.00 against fencing-6000m @ Rs.362.283/m and for protection & regeneration Rs. 2,44,602.00 @ Rs. 54356/Ha for 4.5 Ha).				
11.	Whether payment made through challan or otherwise. In case of online payment , details of challan		1. CA, NPV & Safety Zone payment made through RTGS to Current Account No. CA01001587 of Ad-Hoc CAMPA on 31.03.2009 vide UTR NO. PUNBH09090076038.				
12	Details of Deposits						
S No.	Type of deposit (NPV/CA/W MP/Others specify)	Whether by RTGS/DD/N EFT	UTR/DD No.	Amount Deposited(Rs.)	Date of deposit	Name of Bank from which amount transferred to account of CAF	Bank account of CAF managed by CAMPA in which fund deposited

  
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1.	NPV	RTGS	PUNBH09090076038	Rs. 42,69,06,920	31.03.2009	PNB	Current Account No. CA01001587 JHARKHAND CAMPA
2	CA	RTGS	PUNBH09090076038	Rs 5,81,62,550.68	31.03.2009	PNB	Current Account No. CA01001587 JHARKHAND CAMPA
3	Others (Safety Zone)	RTGS	PUNBH09090076038	Rs.24,18,300	31.03.2009	PNB	Current Account No. CA01001587 JHARKHAND CAMPA
				Rs. 48,74,87,770.68/- Say Rs. 48,74,87,771/-			

**Remarks: The above details are of payment in respect of the forest proposal of Amrapali OCP (531.64 Ha).**

Divisional Forest Officer  
Chatra South

  
Project Officer  
Amrapali OCP  
DEVENDRA PRASAD  
Project Officer  
Amrapali Project