



Coal India Limited
A Maharatna Company
INCORPORATED IN INDIA

सेंट्रल कोलफील्ड्स लिमिटेड
(भारत सरकार का उपक्रम)
परियोजना पदाधिकारी का कार्यालय,
कुजू खुसी खदान, कुजू क्षेत्र
CENTRAL COALFIELDS LIMITED
(Govt. of India Undertaking)
OFFICE OF THE PROJECT OFFICER,
KUJU OCP, KUJU COLLIERY.

Ref.

Dated: 03.05.2019

To
Member Secretary,
EAC (Violation),
Ministry of Environment, Forest and Climate Change,
Indira Paryawaran Bhawan, Vayu Wing,
JorBagh Road, Aliganj,
New Delhi-3

Sub: Reply to the proposal No. . [IA/JH/CMIN/73705/2018 Dated 09.04.2018] [F. NO. 23-242/2018-IA.III (V)] Kuju OCP (1.3 MTPA (Normative)/1.5 MTPA (Peak))

Ref: MINUTES OF 13TH MEETING OF EAC (VIOLATION), 19TH SEPTEMBER 2018

Dear Sir,

The EAC for Kuju OCP (1.3 MTPA (Normative)/1.5 MTPA (Peak)) was held on 19.09.2018. The reply to the observation made by the EAC as detailed in the minutes of meeting is enclosed for kind consideration and issue of Terms of Reference.

Yours Faithfully

Project Officer
Kuju OCP

Sl. No.	Observation and Reccomendations	Reply	Page No.
1.	Submission of revised pre-feasibility report.	The revised pre-feasibility report is attached as Annexure 1	3-28
2.	Surface drainage plan within 2km, 5km and 10km is to be submitted	The Surface Drainage Plan within 2 km, 5 km and 10 km. Is enclosed as Annexure 2	29-30
3.	Submission of Dump management plan.	The dump management plan is attached as Annexure 3	31-33
4.	Forest clearance status.	On-line Application made vide proposal no. FP/JH/MIN/3993/2019 on 27.04.2019 for 160.77 Ha (total project area: 173.89 Ha) land(25.42 – NF. 72.48 – GMJJ and 62.87 – Non-forest land; 13.12 Ha – NF is applied for change in land use). Acknowledgement receipt in Annexure 4.	34-35
5.	DGMS permission for blasting at project site is to be submitted.	Copy of DGMS permission for blasting at project site issued on 13.09.2013 is enclosed herewith as Annexure 5.	36-40
6.	Mine water drainage plan along with protection measures for nearby water bodies.	Various protection measures taken for near by water bodies are: <ul style="list-style-type: none"> a) Extension of Bandra Chua nallah drain around KOCP Kuju – Rs 1,29,20,642 - 2016-2017. b) Laying of 6 no humepipe in BandraCHua Nallah – Rs 66,652 - 2014-15. c) Strengthening of Garland Drain around KOCP in South Eastern Side in Kuju Colliery – Rs 3,07,964 - 2014-15. d) Cleaning of Bandrachua Nallah & Drain - Rs 1,67,638 - 2014-15. e) Cleaning of nallah situated around KOCP Mine – Rs 85,681 - 2015-16. f) Cleaning of Hume pipe culvert at Bandra chua Nallah at Kuju Colliery – Rs 1,35,840 - 2015-16. g) Extension of Garland Drain in South side of KOCP – Rs 3,19,468 - 2015-16. 	

7.	Submission of detail plan for rain harvesting water.	Rain water harvesting proposal is in process, work order will be issued as soon as the tendering process is completed. The work is expected to be completed by September,2019.	
8.	Mining lease document is to be submitted.	Mine Lease Documents is attached as Annexure 6.	41-102
9.	Past production details to be submitted since inception of mine.	Production detail is attached as Annexure 7.	103-104
10.	Copy of CCL board approval letter.	The approval letter is attached as Annexure 8.	104-105
11.	Details of R&R plan.	The R&R will be carried out as per the R&R policy, 2012 of Coal India Limited.	
12.	Nallah diversion plan with embankment details and permission for diversion of nallah is to be submitted.	In this proect nallah diversion is not proposed, however strengthening of the embankment of the nallah traversing the project area has already been done, photographs of the embankment strengthening work has been attached as Annexure 9.	

ANNEXURE – 1: Pre-feasibility Report of Kuju OCP.



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A Mini Ratna Company

MINING PLAN

OF

KUJU OCP

Project Area (Ha)	Capacity OCP (MTPA)
173.89	1.3

(Kuju Area)
Central Coalfields Limited
(April, 2019)

Prepared at

Regional Institute – III

Central Mine Planning & Design Institute Ltd.
(A Subsidiary of Coal India Ltd.)
Gondwana Place, Kanke Road
Ranchi-834008, Jharkhand

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Chapter 1

Executive Summary

1.1 Summary

1	<p>Kuju OCP is a project under Kuju Area of Central Coalfields Limited, Jharkhand. The DPR for Kuju OCP for an enhanced rated capacity of 1.3 MTPA of ROM coal capacity was sanctioned by the CCL board on 27.12.2018, at an estimated capital investment of Rs. 175.18 crores.</p>
2	<p>The Kuju Block is situated in the South Central part of the West Bokaro Coalfield. The four pre-nationalisation leases, called Mourpa, Kuju, Hesagora and Banwar have been re-organized in 1973, after nationalization of coal mining industry, in a single unit named Kuju colliery, which now forms the part of Kuju area of CCL. The Kuju Block is bounded by latitude 23 0 44' 24" and 23 0 45 '17 "and longitude 85 0 29 '36" and 85 0 31' 32 ".It is covered by part of toposheet nos 73E/8 and 73 E/9 of Survey of India.</p>
3	<p>The proposed project is characterized by presence of irregular, old Opencast as well as Underground mining in the proposed mining area, proper care should be taken while working on the underground working, fire area and worked out small pits.</p>
4	<p>The National Highway No-33 passes through the western part of the Block. Due to fire, new NH-33 has been constructed and old has been abandoned .The nearest station is Ranchi Road, on Gomoh Barkakana loop line of the railway. It is about 12 km. from the block. New railway line (Koderma-Hazaribagh Rly. Line) lies in the western part of this block beside the NH-33. Two new Railway Stations namely, Kuju and Mandu are at a distance of around 2-3 km. and 3-4 km. from the mine respectively.</p>
5	<p>Environmental Clearance of Kuju OCP is applied vide proposal No. . [IA/JH/CMIN/73705/2018 DATED 09.04.2018] [F. NO. 23-242/2018-IA.III (V)] for coal production capacity of 1.3 MTPA(normative)/1.5 MTPA (Peak).</p>
6	<p>Pre-feasibility report of Kuju OCP is being prepared for the rated capacity of 1.3 MTPA within the project area of 173.89 Ha. for making an application in Form I for EC as per MoEFCC notification no: S.O 1530 (E) dt. 06.04.2018</p>
7	<p>The project area of present proposal is 173.89 Ha. (Quarry area 0.6477sq.km). Proposed capacity of OCP 1.3 MTY. The total mineable reserves as on 27.12.2017 have been estimated as 9.03 M.tonne corresponding to a volume of OBR of 31.41 Mm³ at an average stripping ratio of 3.48 M³ per tonne. Total estimated life of mine is 8 years.</p>

8	Within the leasehold area of the mine, non-coal bearing area is not available upto a lead of 5 km. So it is proposed to dump the OB on coal bearing area and to re handle it later.
9	5 no of seams from seam XIII to seam X have been proposed for working. The seams are dipping between 10 deg to 19 deg. The maximum depth of the quarry is 145m and the surface area of excavation of the above quarry is 0.65 sq. km.
10	Kuju substation cum switching station (installed capacity 2 x 10 MVA, 33 /11 kV) is the source of power for the Mines in Kuju area. This sub-station is located at Mourpa which is about 5 km from Kuju Project. This Sub-station receives power at 33kV by means of 2 nos. 33 kV OHTL feeders from DVC's S/S at Naisarai.
11	The total mine water discharge is 20240598 GPD(76619 Klpd) (calculated at the end of 7 th year). The industrial and domestic demand is 127632 GPD.
12	The manpower for Kuju OCP for a rated capacity of 1.3 MTY of coal has been estimated as 588.
13	The project includes land of 2 villages in Ramgarh Dist.

Chapter 2

Project Background

2.1 Introduction

Kuju OCP is a Project under Kuju Area of Central Coalfields Limited, Jharkhand. The DPR for Kuju OCP for a rated capacity of 1.3 Mt of ROM coal per annum, at an estimated capital investment of Rs. 175.18 crores. Environmental Clearance of Kuju OCP is applied vide proposal No. [IA/JH/CMIN/73705/2018 DATED 09.04.2018] [F. NO. 23-242/2018-IA.III (V)] for coal production capacity of 1.3 MTPA(normative)/1.5 MTPA (Peak).

The PR was approved by CCL board in 68th (No. 07 of 2017) meeting of the empowered sub-committee held on 27.12.2017 for normative capacity 1.3 MTY and Peak capacity of 1.5 MTY and with project area of 173.89 Ha.

In the preceding years, the coal production from Kuju OCP was as given below:

Year	Coal Prod. (Metric tonne)
94-95	38941
95-96	55086
96-97	64421
97-98	52348
98-99	7190
99-2000	0
2000-01	0
2001-02	0
2002-03	0
2003-04	0
2004-05	0
2005-06	0
2006-07	0
2007-08	0
2008-09	0
2009-10	0
2010-11	0
2011-12	0
2012-13	0
2013-14	24211
2014-15	250038
2015-16	289422
2016-17	5845
2017-18	0

2.2 Purpose of the report

Kuju OCP had applied environmental clearance for 1.3 MTY. MoEF&CC has issued a notification vide no: S.O 1530 (E) dt. 06.04.2018 in which it was said that "The mining projects which were granted EC prior EIA notification 2006 and but not obtained EC for expansion/ modernization/ amendment under the EIA notification 2006 shall make an application in Form I within six months from the date of issue of this notification for grant of EC under the provisions of the EIA notification, 2006".

Therefore, this pre-feasibility report of Kuju OCP is being prepared for the rated capacity of 1.3 MTPA and within the revised project area of 173.89 Ha.

2.3 Identification of project & project proponent

The project under consideration, i.e. Kuju OCP is administratively under Kuju Area of CCL headed by General Manager, Kuju Area. Geologically, it falls in South Central part of the West Bokaro Coalfield.

The mailing address of the Project Officer is given below:

Project Officer,

Kuju OCP, Kuju Colliery,

Kuju Area, Central Coalfields Limited.

PO- Kuju, Dist-Ramgarh, Pin – 825316

Phone – 8987785079

2.4 Location & Communication

The Kuju Block is situated in the South Central part of the West Bokaro Coalfield. The four pre-nationalisation leases, called Mourpa, Kuju, Hesagora and Banwar have been re-organized in 1973, after nationalization of coal mining industry, in a single unit named Kuju colliery, which now forms the part of Kuju area of CCL.

Kuju Block is dotted by a number of pits, trenches, wells and other irregular excavations started indiscriminately without an idea of planning in pre-nationalisation period in the name of opencast mining. These excavations were supplemented by numerous inclines having limited working extent often restricted by small faults as well as due to non-availability of any type of underground transport in the mine. The Kuju Block is bounded by latitude 23 0 44' 24" and 23 0 45 '17 "and longitude 85 0 29 '36" and 85 0 31' 32 ".It is covered by part of toposheet nos 73E/8 and 73 E/9 of Survey of India.

The National Highway No-33 passes through the western part of the Block. Due to fire, new NH-33 has been constructed and old has been abandoned .The nearest station is Ranchi Road, on Gomoh Barkakana loop line of the railway. It is about 12 km. from the block. New railway line (Koderma- Hazaribagh Rly. Line) lies in the western part of this block beside the NH-33. Two new Railway Stations namely, Kuju and Mandu are at a distance of around 2-3 km. and 3-4 km. from the mine respectively.

Description of importance to the country and region

Benefits at national level-

Central Coalfields Limited is facing increasing demand of coal because of increased demand from industry and steel sector. Continuing of coal production from the mines of CCL will help to bridge the gap of demand and supply of coal in India. To meet the growing demand of coal, especially in power and steel sectors, CCL has planned to increase its production

capacity from the present production level of 63.405 Mt. of coal during 2017-18 to 88.0 MTPA by 2020-21.

Continuation of coal production from Kuju OCP will help to a certain degree to meet the growing demand of coking coal in the country.

Benefits at regional level-

The project has created employment opportunities both for skilled and semi- skilled persons in the area. Power network has been extended to the project site for the construction & operation of the plant. This network is facilitating distribution of power in the neighbouring area. The project has brought about enhanced socio-economic benefits to local population due to expenditure on CSR activities

2.5 Employment Generation:

Kuju OCP has been a major source of direct and indirect employment for nearby villagers in buffer zone.

Under R&R of Project affected people, around 145 PAPs have to be rehabilitated under R&R policy of Coal India Limited, 2012. Total direct employment generation from the project will be around 588.

Chapter 3

Project Description

3.1 Mining Method

The geological & mining characteristics of the Kaju OCP under consideration are favourable for opencast mine field development at optimum conditions of mining operations for the entire life of proposed opencast mine. Opencast Mining method involves drilling and blasting.

Considering the geo-mining characteristics of the mining block i.e.

- (a) multiple seams with varying thickness,
- (b) Variable gradient of the seams
- (c) Short strike length
- (d) Quarrying being done followed by backfilling of OB

Shovel-dumper mining system has been envisaged in the OCP.

Some major system parameters for both coal winning & OB removal are given below:

Sl. No.	Particular	Unit	Value
1	OB Bench Height for 6.0 cum Diesel Hydraulic shovels	m	10
2	Coal Bench Height for 6.0 cum Back Hoe	m	10
3	Working bench width	m	40
4	Non - Working bench width	m	20
5	Width of Permanent haul road	m	20
6	Usual height of the spoil dump bench	m	30
7	Maximum height of spoil dump	m	87
8	Bench Slope for OB and coal	Deg	70
9	Bench Slope for dump	Deg	37
10	Overall pit slope for Quarry	Deg	43
11	Blast Hole dia for OB and Coal for Quarry	mm	160
13	Blast Hole depth in OB and Coal bench	m	12-14
14	Powder Factor for OB	Kg/cum	0.3-0.4
15	Powder Factor for Coal	Kg/Te	0.2-0.3

3.2 Drilling and Blasting

Drilling and blasting operations for loosening the coal and OB are necessary before excavation by shovels. For the purpose of drilling in coal and OB benches 160mm Diesel RBH drills have been provided. One wagon drill of 100mm-120mm has been provided to deal with thin coal seam/partings and wedge formation. Controlled or muffled blasting will be practiced near the important surface infrastructures.

Elements of Drilling and Blasting:

The elements of drilling and blasting are decided during actual operation after trial blasting in the field. Controlled blasting is being practiced near project boundary. However, drilling of coal & OB benches is recommended to be done vertically at 90°. It is suggested to use slurry explosive in cartridge / site mixed slurry for better result and enhance safety with proper stemming material. Secondary blasting is not suggested in any circumstances.

3.3 Geological and Mining Characteristics

The Geo-Mining characteristics of the proposed Kuju OCP (1.30 MTY) are given in the table below. A total no. of five coal horizons will be mined out within the quarriable area.

Seam	Category			Total
	Proved	Indicated	Inferred	
XIII	0.897	2.918		3.815
XII	1.547	4.149		5.696
XI	12.811	12.701		25.512
XA	1.437	2.006		3.443
X	12.673	14.872		27.545

3.4 Mining reserves – volume of OB – stripping ratio

The estimated seam wise mineable reserves along with total volume of OBR (as on Apr 2018) and average stripping ratio have been shown in Table below:

Table 3.1 Block wise & section wise balance Mineable Reserve

Seam	Thickness range (m)	Grade range	BH intersections	Geological Reserve (MT)	Minable reserve (MT)
Surface Cover					
XIII	1.72-3.14	D-E	11	3.815	0.27
Parting	11.06-19.06				
XII	1.36-4.72	D-F	11	5.696	0.45
Parting	45.10-64.74				
XI	6.69-14.62	E-W IV	25	25.512	5.31
Parting	1.80-13.85				
XA	0.25-1.80	C-W II	21	3.443	0.45
Parting	14.52-26.75				
X	8.45-15.65	C-W III	22	27.545	3.12
TOTAL					9.60

Quarry Area(Sq. km)	Coal(MT)	OB(Mcum)	SR(cum/T)	Life(yrs.)	Av.Grade
0.6477	9.03	31.41	3.48	8	"C" long flame

3.5 Coal Reserves and Life of the Mine

The balance extractable coal reserve has been estimated as 9.03 MT (as on Dec,2017). The mine has been proposed to produce 1.3 MTPA of coal and the estimated life of the mine is 8 years.

3.6 Size or Magnitude of Operation

The Summarized Calendar Programme of Excavation is given below which has been formulated based on adopted sequence of opencast mine field development at optimum conditions of mining operations for the balance life of mine (proposed production). Balance mineable reserves have been estimated as 9.03 MT (as on Dec,2017). The normative rated output of 1.3 MTPA would be achieved in the 3rd year.

SN	Year	Coal Production (MTPA)
Future Production (Proposed)		
1	1 st year	0.80
2	2 nd year	1.00
3	3 rd year	1.30
4	4 th year	1.30
5	5 th year	1.30
6	6 th year	1.30
7	7 th year	1.30
8	8 th year	0.73

	Total	9.03 MT
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For the rated output of 1.30 MTPA of ROM coal, the balance life of the opencast mine is estimated as 8 years. The mine will achieve the targeted production in the 3rd year of Production.

3.7 Coal Handling & Dispatch System

Coal handling plant has been proposed to handle 1.3 MT of coal per annum. ROM coal from mine will be transported to receiving pit of CHP through Rear discharge dumper. At receiving pit, coal will be crushed down to (-) 100 mm for onward transportation to siding. Coal from the sizer will be transported to nearby New Kuju siding, located at a distance of about 3.5 km. The coal handling plant has also been provided with suitable repair, communication and other auxiliary facilities to meet the day to day requirement in the plant operation. Crushing and conveying will be done in three shifts per day and seven days a week. The design capacity of CHP has been fixed as 500 tph. The coal produced from the existing quarries will be dispatched as per the prevailing system. Provision for dust suppression measures has been made.

3.8 Power Requirement

Power Supply to Workshop

Kuju substation cum switching station (installed capacity 2 x 10 MVA, 33 /11 kV) is the source of power for the Mines in Kuju area. This sub-station is located at Mourpa which is about 5 km from Kuju Project. This Sub-station receives power at 33kV by means of 2 nos. 33 kV OHTL feeders from DVC's S/S at Naisarai.

It is proposed to install a 33/6.6 kV, 2x2MVA sub-station for distribution of power to cater power demand of surface and quarry loads of the Project. This proposed sub-station will receive power at 33 kV through double circuit 33 kV OHTL to be erected from Mourpa Switching cum sub-station.

Provision for 5 Km. length of 33 kV double circuits OHTL with "WOLF" conductor and other accessories have been made for this purpose.

3.9 Water Requirement

Kuju OCP is an existing project in Kuju area of CCL. The coal production in the year 2017-18 is about 1.30 MTY. The details of mine discharge and water consumption details are as given below.

S.No.	Description	Discharge GPD
I.	Mine water discharge	20240595 (76619 M3/day)
II.	Industrial Consumption (GPD)	

1.	Washing of HEMM	14800
2	Sprinkling	26000
3.	Floor washing in workshops and other industrial complexes	1950
4.	Fire fighting	13000
5.	Losses (10%)	5575
	Total Industrial Demand	61325 GPD
III	Domestic Demand	66307 GPD

The average mine water discharge of Kuju OCP is approx. 20240595 GDP. Out of which, around 61325 GPD is being utilised for industrial purposes and 66307 GPD is being utilised for domestic purposes. The remaining water is being stored in the mine voids for recharge of ground water.

3.10 Land Requirement

The total proposed project area of Kuju OCP is 173.89 Ha. The details of land for proposed Kuju OCP is as given below.

land Details within Project Area		
Type	Area in Ha	Total Area in Ha
	KUJU OCP	
Forest	38.54	173.89 Ha
GMK JJ	72.48	
Non-Forest Land	62.87	
Total		

Status of Land

The complete land under Kuju OCP 173.89 Ha is acquired.

A part of land within proposed project area has been acquired under CB Act and remaining land under LA Act. The details of land acquisition is as follows.

Details of Acquisition under CB Act:

1. S.O. no: 47(A) Dt. 06.01.1936
2. S.O. no: 3365 Dt. 26.08.1983
3. S.O. no: 2738 Dt. 06.10.1989

Details of Acquisition under LA Act:

1. 67/77-78 Dt. 28.07.1981

2. 20/80-81 Dt. 28.01.1982
3. 21/85-86
4. 7/94-95

Chapter 4

Site Description

4.1 Identification of Project

The project under consideration, i.e. Kuju OCP administratively under Kuju Area of CCL headed by General Manager, Kuju Area. Geologically, it falls in west Bokaro Coalfield in Ramgarh District of Jharkhand.

The mailing address of the Project Officer is given below:

Project Officer,
Kuju Opencast Project,
Kuju Area, Central Coalfields Limited.
PO- Kuju, Dist-Ramgarh, Pin – 825316
Phone – 8987785079

4.2 Topography

The topography of the Kuju Block is rugged forming hills and valleys due to numerous rivulets. The general ground slopes towards north and south-east. The drainage of the block is controlled by easterly flowing Chowtha nala. The tributary Bander Chua nala, Banwar and Mourpa nala flowing from south to north joins Chowtha nala. The highest point of elevation is around 410 m on NH -33 near the boreholes CMKJ-10, 8 and 26. The lowest elevation along the Chutua nala is around 335 m.

4.3 Land Use Pattern

The total proposed project area of Kuju OCP is 173.89 Ha. The details of land for proposed Kuju OCP is as given below.

land Details within Project Area		
Type	Area in Ha	Total Area in Ha
	KUJU OCP	
Forest	38.54	173.89 Ha
GMK JJ	72.48	
Non-Forest Land	62.87	
Total		

4.3 Climate

Due to mining activities, the ecology of the area has been badly affected. The climate of the region is tropical. The summer (April to June) is very hot and temperature varies from 28°C

to 400C. The winter is also extreme. According to the rainfall data available from 'Mandu Rain Gauging Station' the maximum rainfall recorded was 480.80 mm in July 1965. The Kuju Block receives maximum rainfall of about 300 mm in the month of July, every year. Summer days are hot with dusty wind, but nights are generally pleasant. The winter (November-February) is cold and the minimum temperature recorded is 400C. The Rainy season is generally from June to October.

Chapter 5

Project Planning

5.1 Mine Planning

Considering the geo-mining characteristics of the mining block i.e.

- (a) multiple seams with varying thickness,
- (b) Variable gradient of the seams
- (c) Short strike length
- (d) Quarrying being done followed by backfilling of OB

Shovel-dumper mining system has been envisaged in the OCP.

Some major system parameters for both coal winning & OB removal are given below:

Sl. No.	Particular	Unit	Value
1	OB Bench Height for 6.0 cum Diesel Hydraulic shovels	m	10
2	Coal Bench Height for 6.0 cum Back Hoe	m	10
3	Working bench width	m	40
4	Non - Working bench width	m	20
5	Width of Permanent haul road	m	20
6	Usual height of the spoil dump bench	m	30
7	Maximum height of spoil dump	m	87
8	Bench Slope for OB and coal	Deg	70
9	Bench Slope for dump	Deg	37
10	Overall pit slope for Quarry	Deg	43
11	Blast Hole dia for OB and Coal for Quarry	mm	160
13	Blast Hole depth in OB and Coal bench	m	12-14
14	Powder Factor for OB	Kg/cum	0.3-0.4
15	Powder Factor for Coal	Kg/Te	0.2-0.3

5.2 Life of Mine and Magnitude of Operation

The balance extractable coal reserve has been estimated as 9.03 MT (as on Dec 2018). The mine has been proposed to produce 1.3 MTPA of coal and the estimated life of the mine is 8 years.

The Summarized Calendar Programme of Excavation is given below which has been formulated based on adopted sequence of opencast mine field development at optimum conditions of mining operations for the balance life of mine (proposed production). Balance mineable reserves have been estimated as 9.03 MT. The normative rated output of 1.3 MTPA would be achieved in the 3rd year.

SN	Year	Coal Production (MTPA)
Future Production (Proposed)		
1	1 st year	0.80
2	2 nd year	1.00
3	3 rd year	1.30
4	4 th year	1.30
5	5 th year	1.30
6	6 th year	1.30
7	7 th year	1.30
8	8 th year	0.73
	Total	9.03 MT

For the rated output of 1.30 MTPA of ROM coal, the balance life of the opencast mine is estimated as 8 years. The mine will achieve the targeted production in the 3rd year of Production.

5.3 Coal linkage

Coal handling plant has been proposed to handle 1.3 MT of coal per annum. ROM coal from mine will be transported to receiving pit of CHP through Rear discharge dumper. At receiving pit, coal will be crushed down to (-) 100 mm for onward transportation to siding. Coal from the sizer will be transported to nearby New Kuju siding, located at a distance of about 3.5 km. The coal handling plant has also been provided with suitable repair, communication and other auxiliary facilities to meet the day to day requirement in the plant operation. Crushing and conveying will be done in three shifts per day and seven days a week. The design capacity of CHP has been fixed as 500 tph. The coal produced from the existing quarries will be dispatched as per the prevailing system. Provision for dust suppression measures has been made.

5.4 Land Use Planning

5.4.1 Land Use Plan during Mining

The total proposed project area of Kuju OCP is 173.89 Ha. The details of land for proposed Kuju OCP is as given below. Refer Plate IV for proposed land use plan during mining.

	Forest land (Ha)	Non- Forest Land	Total Area			
			Notified forest land	GMK JJ	Sub Total	
			(A)	(B)	(C=A+B)	(D)
						(E=C+D)
Kuju OCP			38.54	72.48	111.02	62.87
						173.89

Land use During Mining

Component Name	Forest land (Ha)			Non-Forest Land	Total Area
	Notified forest land	GMK JJ	Sub Total		
(A)	(B)	(C)	(D=B+C)	(E)	(F=D+E)
Quarry	35.31	8.14	43.45	15.49	58.94
External OB dump	0	46.83	46.83	21.19	68.02
Infrastructures(W/S, CHP, S/S)	0	0	0.00	3.98	3.98
Others-Vacant land/Proposed Green belt	2.1	14.06	16.16	20.91	37.07
Safety Zone	1.13	3.45	4.58	1.3	5.88
Total	38.54	72.48	111.02	62.87	173.89

5.4.2 Post-Mining Land Use Plan

The Kuju Block is situated in the South Central part of the West Bokaro Coalfield. The four pre-nationalisation leases, called Mourpa, Kuju, Hesagora and Banwar have been re-organized in 1973, after nationalization of coal mining industry, in a single unit named Kuju colliery, which now forms the part of Kuju area of CCL.

Dumping Strategy:

Total volume of overburden of the proposed OCP has been estimated as 31.43 Mcum(balance as on 31/3/2017).

All the OB is proposed to be dumped externally on the Mourpa Sector (within the leasehold of the project) at a distance of about 600m. It is further proposed to rehandle this dump to fill up the void created by worked out quarry. Maximum dump RL is 440 m which is 84m (average) above the surface topography. However nearly 1.0 Mcum of OB is dumped within the quarry area towards east of worked out quarry on coal bearing area. It is to be re handled to excavate seam X.

Post Mining Reclamation Plan

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 as 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.

5.5 Amenities/Facilities

Kuju OCP is an existing project. The facilities for industrial purposes like offices, Magazine site etc. have already been set up. Further, amenities for working manpower like Residential colony, schools, hospitals, community centres have already been established.

5.6 Existing Infrastructure

Kuju OCP has been operating in Block I&IV since 1976-77. The facilities for industrial purposes like offices etc as per approved PR have already been set up. Further, amenities for working manpower like Residential colony, schools are already present.

5.7 Proposed Infrastructure

It is proposed to set up industrial infrastructure like pit office, Magazine site, stock yard etc.

5.8 Industrial Waste water Management:

The effluent generated from workshop due to washing of HEMM will be treated in ETP installed with oil & grease trap, and settling pond.

5.9 Solid waste Management

The total OB to be generated during the entire life of mine is 32.95 Mm³. All the OB is proposed to be dumped externally on the Mourpa Sector (within the leasehold of the project) at a distance of about 600m. It is proposed to rehandle this dump to fill up the voids created by worked out quarry. Maximum dump RL is 440m which is 84m (avg) above the surface topography. However nearly 1.0 Mcum of OB is dumped within the quarry area towards east of worked out quarry on coal bearing area. It is to be re handled to excavate seam X.

Chapter 6

Rehabilitation & Resettlement

6.1 Status of R&R

A total of 145 PAFs have been identified who will be rehabilitated according to the R&R policy, 2012 of Coal India Limited.

6.1.1 R&R Policy of CIL

The R&R Policy of CIL was revised with effect from 5th April, 2012 for implementation of Rehabilitation Action Plan. The salient features in brief are given below.

R&R Policy of CIL

Compensation For Land
One Employment per 2 acres to land losers (plots can be clubbed together) Or monetary compensation @ Rs.5.0 Lakh per acre subject to a minimum of Rs.0.50 Lakh. The compensation can be paid in form of annuity also on monthly, quarterly, annually etc upto 60 years of age or life of project, whichever is earlier.
Note: A person receiving employment forgoes all claims to monetary compensation and a person receiving monetary compensation forgoes all claims to employment.

Compensation For Homestead
Compensation for homestead building as per standard valuation method under LA Act subject to a minimum of Rs. 2 Lakh per household
Payment of Rs 3.0 Lakh in lieu of alternate housing site, assistance in designing & shifting, compensation for construction cattle shed and working shed etc.
Subsistence allowance to each affected family @ 25 days Minimum Agricultural Wages per month for one year.
Compensation For Sharecroppers, Land lessees, Tenants, Day labourers, Landless tribals etc. @ Rs. 5 lakh per household in lieu of livelihood loss.
Affected landless tribal families will be provided one time financial assistance equivalent to 500 days MAWs as a compensation for loss of customary rights.
Assistance to PAPs to take up non-farm self employment through petty contracts or formation of co-operatives.
Contractors will be persuaded to give jobs to eligible PAPs on preferential basis.

Chapter 7

Project Schedule & Cost Estimates

7.1 Capital Expenditure

The DPR for Kuju OCP for a rated capacity of 1.3 Mt of ROM coal was approved, at an estimated capital investment of Rs. 175.18 crores.

7.2 Environmental Capital Expenditure

7.2.1 Cost of Environmental Control Measures of Kuju OCP as per approved PR

SN	Particulars	Amount (Rs. In Lakh)
1.	Compensatory afforestation	279.14
2.	Biological Reclamation of OB dump	38.86
3.	Arboriculture	10.00
4.	Baseline environmental data generation	15.00
5.	Rain Water harvesting scheme	10.00
6.	Progressive green belt development	10.00
7.	Garland drain, embankment, sedimentation lagoon etc.	30.00
8.	Toe wall/Retaining wall along OB dumps @Rs. 3900/- per m. For 2000m.	113.88
9.	Storm water drain along OB dumps @Rs. 2584/- per m. For 2000 m.	51.69
Total		588.57

Chapter 8

Analysis of Proposal

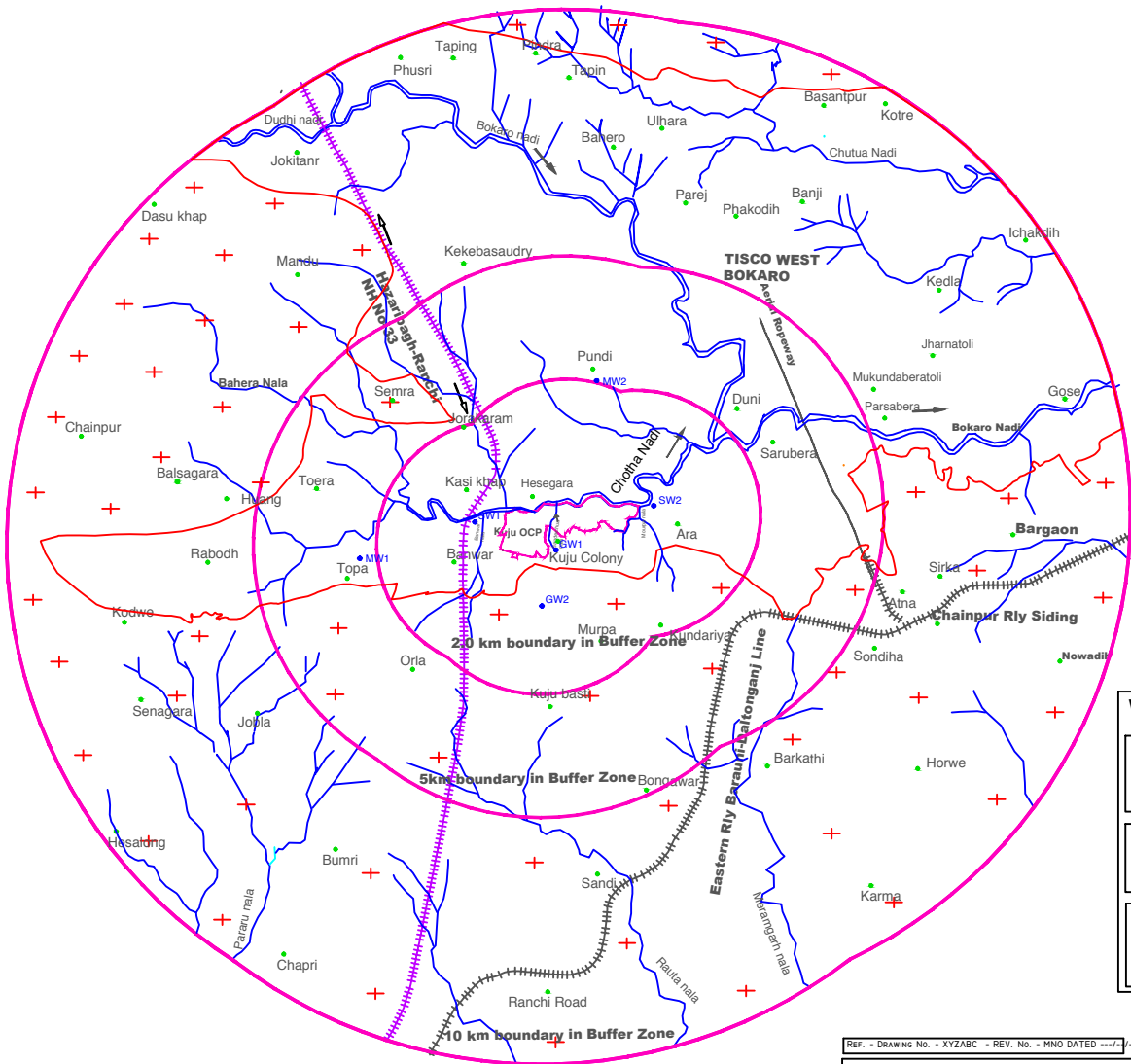
Kuju OCP is an operating project under Kuju Area of Central Coalfields Limited, Jharkhand. The DPR for Kuju OCP for a rated capacity of 1.3 Mt of ROM coal per annum was, at an estimated capital investment of Rs. 175.18 crores. The proposal was approved (In-principal) by Meeting of the Empowered Sub-committee in its 68th (No. 07 of 2017) meeting dated 27.12.2017.

Pre-feasibility report of Kuju OCP is being prepared for the rated capacity of 1.3 MTPA within the project area of Ha for making an application in Form I for EC as per MoEFCC notification no: S.O 1530 (E) dt. 06.04.2018.






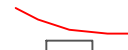


Central Coalfields Limited is facing increasing demand of coal because of increased demand from industry and steel sector. Continuing of coal production from the mines of CCL will help to bridge the gap of demand and supply of coal in India. To meet the growing demand of coal, especially in power and steel sectors, CCL has planned to increase its production capacity from the present production level of 63.405 Mt. of coal during 2017-18 to 88.0 MTPA by 2020-21. Continuation of coal production from Kuju OCP will help to a certain degree to meet the growing demand of coking coal in the Country.

ANNEXURE – 2:
SURFACE DRAINAGE PLAN WITHIN 2KM, 5KM
AND 10KM OF KUJU OCP.

DRAINAGE MAP OF KUJU OCP BUFFER ZONE




INDEX

- Buffer Zone 
- Core Zone 
- Village 
- River/Nadi 
- Rail 
- Road 
- Barakar 
- Metamorphic 

Water Quality Monitoring Station

Mine Water	
Mine Water Discharge (Topa OCP)- MW1	Mine Water Discharge (Pundi OCP)- MW2
Surface Water	
Chowtha Nadi U/S- SW-1	Chowtha Nadi D/S- SW-2
Ground Water	
Kuju Colony-Dug Well- GW-1	
Kuju village-Hand pump- GW-2	

REF - DRAWING No. - XYZABC - REV. No. - MNO DATED ---/---/---
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Customer CENTRAL COALFIELDS LIMITED					
Job Title HYDROGEOLOGICAL STUDIES FOR EMP				Job No. 311207	
Subject DRAINAGE MAP OF KUJU OCP	Activity	Name	Designation	Signature	Date
	Prepared by				
	Processed by				
	Checked by				
Approved by					
 CMPDI ISO 9001 Company					Sheet
					Drg.No. <table border="1"> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table> REV. No. 0

ANNEXURE – 3:
DUMP MANAGEMENT PLAN OF KUJU OCP.

Dump management plan of Kuju OCP

Total volume of overburden of the proposed OCP has been estimated as 31.43 Mcum. The year wise coal and OB extraction plan is as given below.

YEAR	COAL (MT)	OB (Mcum.)	S.R. (Cum/te)
1	0.80	2.54	3.18
2	1.00	3.19	3.19
3	1.30	4.16	3.20
4	1.30	4.16	3.20
5	1.30	4.41	3.39
6	1.30	4.84	3.72
7	1.30	4.84	3.72
8	0.73	3.27	4.48
Total	9.03	31.41	3.48

All the OB is proposed to be dumped externally on the Mourpa Sector (within the leasehold of the project) at a distance of about 600m. Total area of 68.02 Ha has been earmarked in the proposed land use plan for external dumping.

Dump Management Plan for final stage is given below

Year	Dump Progressive(Mcum)	External with RL
1	2.55	+380
2	5.75	+380
3	9.90	+380,+410
4	14.05	+410,+440
5	18.44	+410,+440
6	23.28	+410,+440

7	28.12	+410,+440
8	31.41	+410,+440

RL wise Dump Capacity

Dump RL	Total External(Mcum) Dump
+380	13.88
+410	10.26
+440	7.27
Total	31.41

The final stage dump plan is shown in the figure given below.

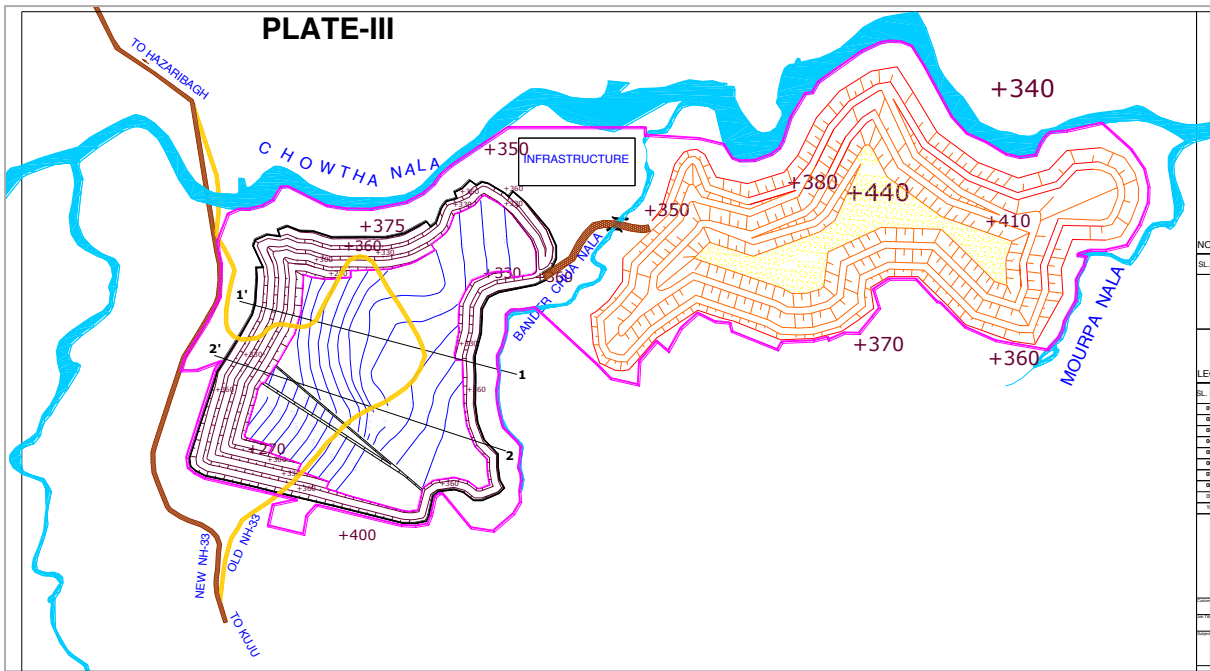


Fig: Final Stage Dump Plan of Proposed Kuju OCP

Further at the post mining stage, it is proposed to re-handle this external dump to fill up the void created by worked out quarry.

ANNEXURE – 4:
FOREST CLEARANCE STATUS OF KUJU OCP.

Email Alert From System Administrator of Online Submission and Monitoring of Forests Clearances Proposal(OSMFCP) portal

1 message

monitoring-fc@nic.in <monitoring-fc@nic.in>
To: po.kujucolliery@gmail.com
Cc: monitoring-fc@nic.in

Sat, Apr 27, 2019 at 3:15 PM

This is to acknowledge that a proposal seeking prior approval of Central Government under the Forest (Conservation) Act 1980 as per the details given below has been successfully uploaded on the portal of the Ministry of Environment, Forests and Climate Change Government of India.

- 1. Proposal No.** : FP/JH/MIN/39993/2019
- 2. Proposal Name** : Kuju OCP
- 3. Category of the Proposal** : Mining
- 4. Date of Submission** : 27/04/2019
- 5. Name of the Applicant with Contact Details**
 - Name** : Sudhir
 - Mobile No.** : 8987785079
 - State** : Jharkhand
 - District** : Ramgarh
 - Pincode** : 825316
- 6. Area Applied (ha.)** : 97.9

The proposal will be examined by the Nodal Officer, Forest (Conservation) Act, 1980 to assess its completeness.

(System Administrator)

*** This is a system generated email, please do not reply. ***

ANNEXURE – 5:
DGMS BLASTING PERMISSION.



611
17/9/13

भारत सरकार,
श्रम एवं रोजगार मंत्रालय
खान सुरक्षा महानिदेशालय
सैची क्षेत्र, सैची



सं. - आर.आर./पी./आर-98(1), 98(3), 100(1) एवं 168(5)/2271

सैची, दिनांक - 18/09/13

प्रेषक :

खान सुरक्षा निदेशक (सैची क्षेत्र),
खान सुरक्षा महानिदेशालय,
आर. आई-111, तीसरा तल्ला,
सी. एम. पी. डी. आई. परिसर,
कौंके रोड, सैची-834 008.

सेवा में,

अभिकर्ता,
कुजु कोलियरी,
मेसर्स सेन्ट्रल कोलफील्ड्स लिमिटेड,
पोस्ट- कुजु, जिला-राधामद-825 316.

विषय - कोयला खान विनियम, 1957 के विनियम 98(1), 98(3), 100(1) एवं 168(5) के अर्न्तगत कुजु कोलियरी के कुजु सेवान के X एवं X A सीम में विकसित भूमिगत गिलर को निकालने के लिये एच.ई.एम. तथा डीप होल ब्लास्टिंग का उपयोग करते हुए एवं एक शॉट होल में दो तरह के भारुद उपयोग करते हुए खुली खदान पद्धति द्वारा कोयला एवं ओवरबर्डेन में सैंट्र श्रेय बनाने एवं कोयला दोहन के लिये अनुमति।

महोदय,

कृपया उल्लिखित विषय पर आपके दिनांक 08/11.02.2013 के पत्रांक Dy.GM/Agent/KC/DGMS-Perm/13/294, एवं दिनांक 02.08.2013 के पत्रांक PO/A/KC/DGMS/13/64 तथा संलग्न प्लान संख्या PL/KC/Per-U/R 98(1), 98(3), 100(1) & 168(5)/13/01, दिनांक 02.08.2013 को संदर्भित करें।

The matter has been considered and examined in the light of the particulars furnished by you. In exercise of the powers conferred on the Chief Inspector of Mines (also designated as Director-General of Mines Safety) under provisions of Regulations 98(1) & (3), 100(1) and 168(5) of the Coal Mines Regulations, 1957 and in exercise of the authorisation granted to me by the Chief Inspector of Mines (also designated as Director-General of Mines Safety) under Section 6(1) of the Mines Act, 1952, I, hereby grant you permission under Regulations 98(1), 98(3), 100(1), and 168(5) to form high benches in coal and overburden in seams X and XA and extraction of developed underground pillars by opencast method in X and XA seams, using HEMM and deep hole blasting as indicated on Plan Nos. PL/KC/Per-U/R 98(1), 98(3), 100(1) & 168(5)/13/01, dated 02.08.2013 at Kuju section of Kuju colliery of M/s. C.C.Ltd., subject to strict compliance to following conditions and conditions given in Annexures 'A', 'B' & 'C'.

- (1) The excavation area, for which this permission under Regulation 98(1) & (3), 100(1) and 168(5) of the Coal Mines Regulation, 1957 has been sought, of Kuju Section at Kuju Colliery of M/s. C.C.Ltd. shall be within Location point no. 'A' (3153914 Easting, 1084724 Northing) to Location point no. 'J' (3153832 Easting, 1082728 Northing) as shown in thick continuous line in Orange color marked in the Plan No. PL/KC/PER-U/R 98(1), 98(3), 100(1) & 168(5)/13/01.

Copy to :

Younger Kuju
Safety Officer, Kuju } for N.O.
PE (EAM), Kuju }
Survey Officer/Surveyor, Kuju O/Comp

dated 12.10.2013. A copy of this plan shall be kept readily available at the office of mine for the purpose of inspection.

- (17) The opencast workings in Kaju section and the underground working in Kaju section of Kaju colliery shall be under the charge of one Assistant Manager having 1st Class Manager's Certificate of competency.
- (18) Before starting any mining activity adequate number of competent persons including subordinate officials shall be appointed by the Owner for adequate and thorough supervision of all operations in the mine.
- (19) Drilling, Charging and Blasting shall be placed under a separate Officer holding at least a second class manager's certificate of competency under Coal Mines Regulations, 1957.
- (20) Blasting parameters with a rough sketch showing the drilling pattern and the holes charged shall be maintained in a register kept for the purpose for each blast.
- (21) During blasting in the mine precautions shall be taken as prescribed in Circular (Tech.) 2 of 1985 and Circular (Tech.) 2 of 1987.
- (22) Exposed underground galleries in case of discontinuance/abandonment, shall be covered in such way as to prevent fire in the mine.
- (23) Surface cracks/pot holes formed as a result of extraction of pillars shall be filled up expeditiously and the filling material shall be well rammed into the cracks/pot holes and kept topped up as often as necessary in order to prevent leakage/breathing of air/seepage of water into the mine.
- (24) For the covered portion road, barricade on either side of the road within 500m radius from the blast site shall be maintained and guards shall be posted to prevent any inadvertent entry of persons in the road during blasting period.
- (25) Persons shall not be employed belowground in any place lying within the 150m radius measured in horizontal plane from the boundary of the proposed opencast working.
- (26) No work of removal of overburden and extraction of coal by use of explosives shall be done within 300m of surface structures/buildings unless separate permission under Regulation 170 (2A) & 170 (2B) of the Coal Mines Regulations, 1957 is obtained from this Directorate.
- (11) Workings shall not be extended within 60m from the fault/waterlogged workings in XA and X seams. The said workings need to be kept and maintained dewatered at all times the workings in the opencast is in progress. In no case workings in proposed opencast shall be extended to a point below the HFL of water in the waterlogged working.
- (12) Towards the East side of the proposed opencast working there exist a seasonal nallah (Bandra Chawa nallah), adequate precautions shall be taken to prevent ingress of water from the Bandra Chawa nallah. Suitable embankment of height atleast 5m above HFL of the nallah wherever required shall be provided on the existing nallah bank. No workings shall be made within horizontal distance of 15m from the HFL/embankment of Bandra Chawa nallah.
- (13) A solid barrier of coal atleast 60m thick shall be kept intact between fault present in the waterlogged workings in XA and X seams and the proposed opencast workings.
- (14) Towards the West of the proposed opencast workings old NH-33 road (abandoned but not belonging to the management) exist. Precautions shall be taken as laid down under Regulation 105 of the Coal Mines Regulation, 1957.

- (15) A suitable 'Code of Traffic Rules' for regulating the movement of Heavy Earth Moving Machinery (commensurate with the capacity/size type of machines used in the mechanised opencast mine) shall be framed and enforced immediately.
- (16) The operator's cabins of heavy earth moving machinery shall be well designed and substantially built so as to ensure adequate protection to the operator against heat, dust, noise etc. and at the same time provide adequate safety to the operator in the event of overturning of heavy earth moving machinery. A seat belt for the safety of the operator shall also be provided.
- (17) A code of practice shall be drawn up for dealing with fires at different locations in the opencast mine, including HEMM. Arrangements for fighting fire should be provided on all heavy earth moving machineries. Such arrangements should, if possible, operate automatically on appearance of fire.
- (18) Separate coal stock yards shall be maintained for dumping and despatch of coal and it shall be ensured that despatch of coal is not carried out from the dump yard where dumping is under progress. Further, buyers' trucks shall be parked away from the mine premises and only such trucks shall be allowed to enter the mines which are due for loading during the shift. Also, it shall be ensured that only permitted quantity of coal is loaded in the trucks so as to obviate the risk of accidents due to overloaded trucks in the mine premises.
- (19) All persons to be employed to drive/operate HEMM shall be trained and their competency shall be evaluated by a Board constituted by the management. The members of such board shall be persons who are not connected with imparting of training. However, the training officers may be co-opted in the Board as observer.
- (20) Only such fitters/mechanics who possess driver's/operator's license should be allowed to carry out test-run of HEMM.
- (21) The portion of surface haul road in mine premises where there is heavy traffic of men and machines, should be provided with a separate lane properly fenced off from the haul road for pedestrians and two wheelers.
- (22) Trucks and other heavy vehicles, not belonging to management should not be allowed in the mine premises without a valid pass issued by the manager or other competent person. Before the pass is issued, the engineer shall check the road-worthiness of such vehicles.
- (23) In order to check entry of unauthorised vehicles in mine premises, a properly manned check gate(s) at the entrance(s) shall be set up where record of entry and exit of each such vehicle shall be maintained.
- (24) At the check gate the license of the drivers shall also be checked for eliminating the possibility of unlicensed persons driving the vehicles.
- (25) Persons engaged in surface operations and, in particular, the contractors' workers, who incidentally are often inexperienced and least informed about job-safety matters, need closer and more competent supervision. To minimize accidents due to surface operations it shall be ensured that all persons engaged at any work within the mine premises through the contractors have received relevant training and other job-related briefings and that the drivers of vehicles belonging to contractors entering the mine premises have additionally been explained the salient provisions of "traffic-rules".

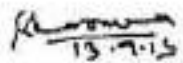
- (26) Each and every operation, including the operation carried out through contractors' workers or by outside agency, shall be placed under the charge of a competent supervisor, duly appointed and authorised by the manager, his jurisdiction being clearly demarcated.
- (27) Sufficient number of competent persons shall be appointed under Regulation 113(1) of CMR 1957 to discharge duties and responsibilities of Mining Sirdars or other competent persons under Regulation 44 read with Regulation 113 of CMR 1957.

This permission is also subject to the following additional conditions:

- (28)(a) A code specifying the duties and responsibilities of all officers of mining cadre, Colliery Engineer, Supervisors, Technicians, Mechanics, Fitters, Machine Operators, helpers, loading supervisors etc. shall be drawn up and distributed to all.
- (b) It shall be the responsibility of the Manager, Engineer and other supervisors to see that all persons working in the mine in all machines/equipments etc. work as per the code and all machines and equipments etc. are installed, operated and maintained in safe working conditions.
- (29) In the event of any change in the circumstances connected with this permission which is likely to endanger the life of persons employed in the mine or the mine, the mining operations for which this permission has been granted shall be stopped forthwith and intimation sent to the Director of Mines Safety thereof. The said mining operation shall not be resumed without express and fresh permission in writing from this Directorate.
- (30) If at any time any one of the conditions subject to which this permission has been granted is violated or not complied with, this permission shall be deemed to have been revoked with immediate effect.
- (31) This permission may be amended or withdrawn at any time if considered necessary in the interest of safety and is being issued under Regulation 98(1) & (3), 100(1), and 168(5) of the Coal Mines Regulations, 1957 only without prejudice to any other provisions of law which may be or may become applicable at any time.
- (32) This Directorate shall be informed as soon as the mining operations are commenced in accordance with the above permission. Intimation about completion of the mining operations should also be sent promptly and in any case not later than one month thereof.
- (33) This permission shall remain valid for a period of 05 (five) years from the date of issue of the letter.

Encl: Annexure 'A', 'B' & 'C'.

भवदीय,


13.7.15

(कमलेश शर्मा)
खान सुरक्षा निदेशक
राँची क्षेत्र

ANNEXURE – 6:
MINE LEASE DOCUMENTS.

Serial 47 (E)
Reference: 43015/7/2015-PAUW-5
Scheme - NJCC project, Dist Kangra, C.C.
Sect: - 7
C.C. - C.C. REGD. NO. D. L. - 33004/99

3328
11/02/15

1817
13/2/15



भारत का राजपत्र The Gazette of India

असाधारण
EXTRAORDINARY
भाग II—खण्ड 3—उप-खण्ड (ii)
PART II—Section 3—Sub-section (ii)
प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

का. अ. 47
राजपत्र सं. 1817
दि. 9.2.15
60

नं. 41] नई दिल्ली, मंगलवार, जनवरी 6, 2015/पौष 16, 1936
No. 41] NEW DELHI, TUESDAY, JANUARY 6, 2015/PAUSHA 16, 1936

कोयला मंत्रालय
अधिसूचना

नई दिल्ली, 1 जनवरी, 2015

का.अ. 47(अ).—केंद्रीय सरकार ने कोयला धारक क्षेत्र (अर्जन और विकास) अधिनियम 1957 (1957 का 20) (जिसे इसमें इसके पश्चात् उक्त अधिनियम कहा गया है) की धारा 4 की उप-धारा (1) के अधीन जारी भारत के राजपत्र, भाग II, खंड 3, उपखंड (ii), तारीख 07 दिसम्बर, 2013 में भारत सरकार के कोयला मंत्रालय की अधिसूचना का.अ. संख्यांक 2557, तारीख 26 नवम्बर, 2013 द्वारा प्रकाशित उस अधिसूचना से उपाबद्ध अनुसूची में विनिर्दिष्ट परिसर की भूमि 76.91 हेक्टर (लगभग) या 189.99 एकड़ (लगभग) में कोयले का पूर्वक्षण करने के अपने आशय की सूचना दी थी ;

और केंद्रीय सरकार का यह समाधान हो गया है कि इस अधिसूचना से संलग्न अनुसूची में विहित की गई उक्त भूमि के भाग में कोयला अनिप्राप्य है ;

अतः अब, केंद्रीय सरकार उक्त अधिनियम की धारा 7 की उप-धारा (1) द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए इससे संलग्न अनुसूची में यथावर्णित 76.91 हेक्टर (लगभग) या 189.99 एकड़ (लगभग) माप की उक्त भूमि और ऐसी भूमि पर के सभी अधिकार के अर्जन करने के अपने आशय की सूचना देती है ;

टिप्पण 1 : इस अधिसूचना के अधीन आने वाले क्षेत्र के रेखांक संख्या आरईवी/14/2014, तारीख 25 जून, 2014 का निरीक्षण उपयुक्त, जिला रामगढ़, झारखण्ड के कार्यालय में या कोयला नियंत्रक, 1, काउन्सिल हाउस स्ट्रीट, कोलकाता-700001 के कार्यालय में या महाप्रबंधक, कुजु क्षेत्र, जिला रामगढ़, झारखण्ड के कार्यालय में या महाप्रबंधक (भूमि और राजस्व), सेंट्रल कोलफील्ड्स लिमिटेड, दरभंगा हाउस, रांची-834029 या मुख्य महाप्रबंधक (गवेषणा प्रभाग), सेंट्रल माइन प्लानिंग और डिजाइन डिवीजन, गोवर्धना पैलेस, कांके रोड, रांची-834 008 किया जा सकता है।

टिप्पण 2 : उक्त अधिनियम की धारा 8 के उपबंधों की ओर ध्यान आकृष्ट किया जाता है जिसमें निम्नलिखित उपबंध हैं :-

अर्जन के बाधक आपतियां :-

(1) कोई व्यक्ति, जो किसी भूमि में, जिसकी बाधक धारा 7 की उप-धारा (1) के अधीन अधिसूचना निकाली गई है, शिवाय इसके अधिसूचना के निकाले जाने के तीस दिनों के भीतर सम्पूर्ण भूमि या उसके किसी भाग या ऐसी भूमि में या उस पर के किसी अधिकारों का अर्जन किए जाने के बारे में आपत्ति कर सकेगा।

(2) इस धारा के अर्थात्परंत यह आपत्ति नहीं मानी जाएगी कि कोई व्यक्ति किसी भूमि में कोयला उत्पादन के लिए स्थल खनन शक्तियां करना चाहता है और ऐसी शक्तियाएं केंद्रीय सरकार या किसी अन्य व्यक्ति को नहीं करनी चाहिए।

12.2.15
13/2/15
12.2.15

Guwaha

43/9/15

रा. अ. 47 (अ)

3/2/15

परिशीलन 1/2/15
C.B.A.S.T. - 701, Ho. 6/1/15
12/2/15

(2) उपधारा (1) के अगले प्रत्येक अपतित सक्षम प्राधिकारी को लिखित रूप में की जाएगी और सक्षम प्राधिकारी अपतितकाल तक अपने अपने वास्तु अधिकारवादी के सुनवाई का अवसर देगा और ऐसी सभी अपतितों को सुनने के पश्चात् और ऐसी अपतितों का प्रावधान, यदि कोई हो, करने के पश्चात्, जो वह आवश्यक समझता है वह या तो धारा 7 की उपधारा (1) के अधीन अधिसूचित भूमि के या ऐसी भूमि में या उस पर के अधिकारों के संबंध में एक रिपोर्ट या ऐसी भूमि के विभिन्न टुकड़ों या ऐसी भूमि में या उस पर के अधिकारों के संबंध में अपतितों पर अपनी सिफारिशों और उसके द्वारा की गई कार्यवाही के अभिलेख सहित विभिन्न रिपोर्टें केंद्रीय सरकार को उसके विनिरचय के लिए देगा।

(3) इस धारा के प्रयोजनों के लिए वह व्यक्ति किसी भूमि में हितबद्ध समझा जाएगा जो प्रतिकर में हिल का दावा करने का हकदार होता यदि भूमि या किसी ऐसी भूमि में या उस पर के अधिकार इस अधिनियम के अधीन अर्जित कर लिए जाते।

टिप्पणी—केंद्रीय सरकार द्वारा कोयला नियंत्रक 1, काउन्सिल हाउस स्ट्रीट, कोलकाता-700001 को उक्त अधिनियम की धारा 3 के अधीन अधिसूचना संख्या का.आ. 2518, तारीख 27 मई, 1983 भारत के राजपत्र भाग II, खंड 3, उपखंड (ii) में तारीख 11 जून, 1983 में प्रकाशित द्वारा सक्षम प्राधिकारी नियुक्त किया है।

अनुसूची

कुजू खुली खदान परियोजना

जिला रामगढ़, झारखण्ड

(रेखांक संख्यांक आरईवी/14/2014, तारीख 25 जून, 2014)

सभी अधिकार:

ब्लॉक	ग्राम	धाना	धाना संख्या	जिला	क्षेत्र एकड़ में (लगभग)	टिप्पणी
ए	कुजू पोखरिया	मांडू	154	रामगढ़	77.52	भाग
		मांडू	121	रामगढ़	111.40	भाग
बी	कुजू	मांडू	154	रामगढ़	1.07	भाग
कुल : 180.99 एकड़ (लगभग) या 76.91 हेक्टर (लगभग)						

ग्राम-कुजू में अर्जित किये जाने वाले प्लॉटों की संख्या :- 115(भाग), 118(भाग), 146, 152(भाग), 153(भाग), 155(भाग), 156(भाग), 157(भाग), 158(भाग), 159, 160(भाग), 161 से 163, 165(भाग), 167(भाग), 168 से 173, 174(भाग), 175(भाग), 176(भाग), 177(भाग), 178(भाग), 181(भाग), 182(भाग), 188(भाग), 189 से 206, 207(भाग), 208 से 272, 283(भाग), 2841, 2842, 2843, 2844, 2845.

ग्राम-पोखरिया में अर्जित किये जाने वाले प्लॉटों की संख्या:- 10(भाग), 12(भाग), 13 से 17, 18(भाग), 19 से 31, 32(भाग), 41(भाग), 42(भाग), 43, 44, 46(भाग), 47 से 57, 58.

सीमा वर्णन:

ब्लॉक-ए

क-ड-ग रेखा बिन्दु 'क' से आरम्भ होती है और प्लॉट संख्या 50,146,50,148,160, 50, 158,154,156,165,266 एवं नाला 165 के सीमा रेखा और प्लॉट संख्या 283 ग्राम कुजू से गुजरती हुई बिन्दु 'क' पर मिलती है।

ग-घ रेखा बिन्दु 'ग' वन सीमा एवं प्लॉट संख्या 283 ग्राम कुजू एवं प्लॉट संख्या 31 और ग्राम पोखरिया के 'घ' बिन्दु पर मिलती है।

घ-ड रेखा बिन्दु 'घ' अगरिया गडहा नदी के मध्य रेखा से गुजरती हुई प्लॉट संख्या 45, ग्राम पोखरिया के 'ड' बिन्दु पर मिलती है।

ड-क रेखा बिन्दु 'ड' प्लॉट संख्या 35,41,32,12,10,46 ग्राम पोखरिया और प्लॉट संख्या 167,174,175, 176, 177, 178, 181,182,183,165,50,163,50 ग्राम कुजू से गुजरती हुई आरंभिक बिन्दु 'क' पर मिलती है।

ब्लॉक - बी

घ-छ-ज रेखा बिन्दु 'घ' से आरम्भ होती है और सीमा रेखा प्लॉट संख्या 152, 118, 115 से गुजरती हुए ग्राम कुजू के 'ज' पर मिलती है।

ज-घ रेखा प्लॉट संख्या 115,116,152,163 से गुजरती हुई ग्राम कुजू के आरंभिक बिन्दु 'घ' पर मिलती है।

[फा. सं. 43015/7/2013-पीआरआईडब्ल्यू-1]

विशेष मारदाज, संयुक्त सचिव



भारत का राजपत्र The Gazette of India

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EXTRAORDINARY

भाग II—खण्ड 3—उप-खण्ड (ii)

PART II—Section 3—Sub-section (ii)

प्राधिकार से प्रकाशित

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अधिसूचना

नई दिल्ली, 1 नवम्बर, 2016

का.आ. 3358(अ).—केन्द्रीय सरकार ने कोयला धारक क्षेत्र (अर्जन और विकास) अधिनियम, 1957 (1957 का 20) (जिसे इसके पश्चात् उक्त अधिनियम कहा गया है) की धारा 7 की उप-धारा (1) के अधीन जारी और भारत के राजपत्र, भाग II, खण्ड 3, उप-खण्ड (ii), तारीख 6 जनवरी, 2015 में प्रकाशित भारत सरकार के कोयला मंत्रालय की अधिसूचना संख्यांक का.आ. 47(अ), तारीख 1 जनवरी, 2015 द्वारा प्रकाशित उस अधिसूचना में संलग्न अनुसूची में विनिर्दिष्ट 76.91 हेक्टेयर (लगभग) या 189.99 एकड़ (लगभग) परिक्षेत्र की भूमि में और उस पर के सभी अधिकारों के अर्जन करने के अपने आशय की सूचना दी थी ;

और सक्षम प्राधिकारी ने उक्त अधिनियम की धारा 8 के अनुसरण में केन्द्रीय सरकार को अपनी रिपोर्ट दे दी है ;

और केन्द्रीय सरकार का पूर्वोक्त रिपोर्ट पर विचार करने के पश्चात् और झारखंड सरकार से परामर्श करने के पश्चात् यह समाधान हो गया है कि इससे उपाबंध अनुसूची में वर्णित 76.91 हेक्टेयर (लगभग) या 189.99 एकड़ (लगभग) माप वाली भूमि में या उस पर के सभी अधिकारों का अर्जन किया जाना चाहिए;

अतः, अब, केन्द्रीय सरकार उक्त अधिनियम की धारा 9 की उप - धारा (1) द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए घोषणा करती है की इससे संलग्न अनुसूची में यथा वर्णित 76.91 हेक्टेयर (लगभग) या 189.99 एकड़ (लगभग) माप वाली भूमि में या उस पर के सभी अधिकार अर्जित किए जाने हैं।

इस अधिसूचना के अधीन आने वाले क्षेत्र के रेखांक संख्या आरईवी/08/2015, तारीख 31 अगस्त, 2015 का निरीक्षण उपायुक्त, जिला रामगढ़, झारखंड के कार्यालय में या कोयला नियंत्रक, 1, काउंसिल हाऊस स्ट्रीट, कोलकाता - 700001 के कार्यालय में या महा प्रबंधक, कुजू क्षेत्र, जिला रामगढ़, झारखंड या महा प्रबंधक(भूमि और राजस्व), सेंट्रल कोलफील्ड्स लिमिटेड, दरभंगा हाउस, राँची, झारखंड या मुख्य महाप्रबंधक (खोज प्रभाग), सेंट्रल माइन प्लानिंग एण्ड डिजाइन इन्स्टीच्यूट लिमिटेड, गोंडवाना पैलेस, कांके रोड, राँची, झारखंड के कार्यालय में किया जा सकता है।

अनुसूची

कुजू खुली खदान परियोजना

जिला – रामगढ़ (झारखण्ड)

(रेखांक संख्या आरईवी/08/2015, तारीख 31 अगस्त, 2015)

सभी अधिकार:

ब्लॉक	ग्राम	थाना	थाना संख्या	जिला	क्षेत्र (एकड़ में)	टिप्पणियां
ए	कुजू	मांडू	154	रामगढ़	77.52	भाग
ए	पोखरिया	मांडू	121	रामगढ़	111.40	भाग
बी	कुजू	मांडू	154	रामगढ़	1.07	भाग
कुल: 189.99 एकड़(लगभग) या 76.91 हेक्टर(लगभग)						

ग्राम कुजू में अर्जित की गई प्लॉटों की संख्या: 115(भाग), 116(भाग),146, 152(भाग), 153(भाग), 155(भाग), 156(भाग), 157(भाग), 158(भाग), 159, 160(भाग), 161 से 163, 165(भाग), 167(भाग), 168 से 173, 174(भाग), 175(भाग), 176(भाग), 177(भाग), 178(भाग), 181(भाग), 182(भाग), 188(भाग), 189 से 206, 207(भाग), 208 से 272, 183(भाग), 2841, 2842, 2843, 2844, 2845 ।

ग्राम पोखरिया में अर्जित की गई प्लॉटों की संख्या : 10(भाग), 12(भाग), 13 से 17, 18(भाग), 19 से 31, 32(भाग), 41(भाग), 42(भाग), 43, 44, 46(भाग), 47 से 57, 58 ।

ब्लॉक 'ए'

- क-ख-ग रेखा बिन्दु 'क' से आरंभ होती है और प्लॉट संख्या 50, 146, 50, 148, 160, 50, 158, 154, 156, 165, 266 और नाला के सीमा रेखा प्लॉट संख्या 165 और 283, ग्राम कुजू से गुजरती हुई बिन्दु 'क' पर मिलती है।
- ग-घ रेखा बिन्दु 'ग' वन सीमा और प्लॉट संख्या 283, ग्राम कुजू और प्लॉट संख्या 31 और ग्राम पोखरिया के बिन्दु 'घ' पर मिलती है।
- घ-ड. रेखा बिन्दु 'घ' अगरिया गरहा नदी के मध्य रेखा से गुजरती हुई प्लॉट संख्या 45, ग्राम पोखरिया के बिन्दु 'ड.' पर मिलती है।
- ड.-क रेखा बिन्दु 'ड.' प्लॉट संख्या 35,41,32,12,10,46 ग्राम पोखरिया और प्लॉट संख्या 167,174,175,176,177,178,181, 182,183,165,50,163,50 ग्राम कुजू से गुजरती हुई आरंभिक बिन्दु 'क' पर मिलती है।

ब्लॉक 'बी'

- च-छ-ज रेखा बिन्दु 'च' से आरंभ होती है और सीमा रेखा प्लॉट संख्या 152,116,115 से गुजरती हुई ग्राम कुजू के बिन्दु 'ज' पर मिलती है।
- ज-च रेखा प्लॉट संख्या 115,116,152,153 से गुजरती हुई ग्राम कुजू के आरंभिक बिन्दु 'च' पर मिलती है।

[फा. सं. 43015/7/2013-पीआरआईडब्ल्यू-I]

आर. पी. गुप्ता, संयुक्त सचिव

MINISTRY OF COAL**NOTIFICATION**

New Delhi, the 1st November, 2016

S.O. 3358(E).—Whereas by the notification of the Government of India in the Ministry of Coal number S.O. 47(E), dated the 1st January, 2015 issued under sub-section (1) of section 7 of the Coal Bearing Areas(Acquisition and Development) Act, 1957 (20 of 1957)(hereinafter referred to as the said Act) and published in the Gazette of India, Part II, Section 3, Sub-section (ii), dated the 6th January, 2015 the Central Government gave notice of its intention to acquire all rights in and over the land measuring 76.91 hectares (approximately) or 189.99 acres (approximately) in the locality specified in the Schedule appended to that notification;

And whereas, the competent authority in pursuance of section 8 of the said Act has made his report to the Central Government;

And whereas, the Central Government after considering the aforesaid and after consulting the Government of Jharkhand is satisfied that the all rights in and over land measuring 76.91 hectares (approximately) or 189.99 acres (approximately) as described in the Schedule appended hereto, should be acquired;

Now , therefore, in exercise of the powers conferred by sub-section (1) of section 9 of the said Act, the Central Government hereby declares that all rights in and over lands measuring 76.91 hectares (approximately) or 189.99 acres (approximately) as described in the Schedule annexed hereto, are hereby acquired.

The plan bearing number REV/08/2015, dated the 31st August, 2015 of the area covered by this notification may be inspected in the office of the Deputy Commissioner, District Ramgarh, Jharkhand or at the office of Coal Controller, 1, Council House street, Kolkata -700001 or in the office of the General Manager, Kuju Area, District Ramgarh, Jharkhand or General Manager (L and R), Central Coalfields Limited, Darbhanga House, Ranchi, Jharkhand or Chief General Manager (Exploration Division), Central Mine Planning and Design Institute Limited, Gondwana Place, Kanke Road , Ranchi, Jharkhand.

SCHEDULE

Kuju Opencast Project

District – Ramgarh (Jharkhand)

(Plan bearing number Rev/08/2015, dated the 31st August,2015)

All Rights:

Block	Village	Thana	Thana number	District	Area (in acres)	Remarks
A	Kuju	Mandu	154	Ramgarh	77.52	Part
A	Pokharia	Mandu	121	Ramgarh	111.40	Part
B	Kuju	Mandu	154	Ramgarh	1.07	Part
Total : 189.99 acres (approximately) or 76.91 hectares (approximately)						

Plot numbers acquired in village Kuju : 115(P), 116(P), 146, 152(P), 153(P), 155(P), 156(P), 157(P), 158(P), 159, 160(P), 161 to 163, 165(P), 167(P), 168 to 173,174(P), 175(P), 176(P), 177(P), 178(P), 181(P), 182(P), 188(P), 189 to 206, 207(P), 208 to 272, 283(P), 2841, 2842, 2843, 2844, 2845.

Plot numbers acquired in village Pokharia : 10(P), 12(P), 13 to 17, 18(P), 19 to 31, 32(P), 41(P), 42(P), 43, 44, 46(P), 47 to 57, 58.

Boundary Description:

Block 'A'

- A-B-C - Line starts from point 'A' passes through plot numbers 50, 146, 50, 148, 160, 50, 158, 154, 156, 165, 266 boundary line of nalla in plot numbers 165 and 283 in village Kuju and meets at point 'C'.
- C-D - Line passes through point 'C' from Forest boundary plot number 283 in village Kuju and plot number 31 and meets at point 'D' in village Pokharia.
- D-E - Line passes through point 'D' from centre line of Agaria Garha Nadi (plot number 45) in village Pokharia and meets at point 'E'.
- E-A - Line passes through point 'E' plot numbers 35, 41, 32, 12, 10, 46 in village Pokharia and plot numbers 167, 174, 175, 176, 177, 178, 181, 182, 183, 165, 50, 163, 50 in village Kuju and meets at starting point 'A'.

Block 'B'

- F-G-H - Line start from point 'F' passes through boundary line of plot numbers 152, 116, 115 and meets at point 'H' in village Kuju.
- H-F - Line passes through plot numbers 115, 116, 152, 153 and meets at starting point 'F' in village Kuju.

[F. No. 43015/7/2013-PRIW-I]

R. P.GUPTA, Jt. Secy.

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॥ भारत के राजपत्र, भाग 2, उखंड ॥1१॥ में प्रकाशित ॥

dt. 28.10.1989

भारत सरकार
उर्जा मंत्रालय
कोयला विभाग

नई दिल्ली, तारीख 6.10.1989

अधिसूचना

का०आ० 3738 केन्द्रीय सरकार है, कोयला धारक क्षेत्र {अर्जन और विकास} अधिनियम, 1957 {1957 का 20} की धारा 7 की उपधारा {1} के अधीन भारत के राजपत्र, भाग 2, उखंड 3, उपखंड ॥1१॥, तारीख 1 नवम्बर, 1986 में प्रकाशित भारत सरकार के उर्जा मंत्रालय {कोयला विभाग} की अधिसूचना सं० का०आ० 3747, तारीख 16 अक्टूबर, 1986 द्वारा उस अधिसूचना से संलग्न अनुसूची में विनिर्दिष्ट परिक्षेत्र की भूमि का अर्जन करने के अपने आग्रह की सूचना दी थी ;

और सक्षम प्राधिकारी ने उक्त अधिनियम की धारा 8 के अनुसरण में केन्द्रीय सरकार को अपनी रिपोर्ट दे दी है ;

और केन्द्रीय सरकार का, पूर्वोक्त रिपोर्ट पर विचार करने के पश्चात् और बिहार सरकार से परामर्श करने के पश्चात्, यह समाधान हो गया है कि इससे संलग्न अनुसूची में वर्णित 107.00 एकड़ {लगभग} या 43.30 हेक्टर {लगभग} माप वाली भूमि अर्जित की जानी चाहिए ।

अतः, केन्द्रीय सरकार, उक्त अधिनियम की धारा 9 की उपधारा {1} द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए, यह घोषणा करती है कि उक्त अनुसूची में वर्णित 107.00 एकड़ {लगभग} या 43.30 हेक्टर {लगभग} माप वाली भूमि अर्जित की जाती है ।

इस अधिसूचना के अधीन आने वाले क्षेत्र के रिकॉर्ड का निरीक्षण उपायुक्त, हजारीबाग {बिहार} के कार्यालय के या कोयला विभाग नियंत्रक, 1, कार्जिल हाउस स्ट्रीट, कलकत्ता के कार्यालय या सेंट्रल कॉलफील्ड्स लि० {राजस्व अनुभाग} राँची हाउस, राँची {बिहार} के कार्यालय में किया जा सकता है ।

Copy sent to
24.10.89



सूची

मांडू ब्लॉक - उप ब्लॉक 11

पश्चिमी बोकारो कोयला क्षेत्र

जिला हजारीबाग, बिहार

रेखाचित्र सं० राजस्व/18/87 तारीख 17-3-1987

जिसमें अर्जित की जाने वाली भूमि दर्शित की गई है

सभी अधिकार

क्र.सं०	ग्राम	थाना	थाना सं०	जिला	क्षेत्र	टिप्पणियाँ
1.	कुजु	मांडू	154	हजारीबाग	40.00	भाग
2.	पोखरिया	मांडू	121	हजारीबाग	67.00	भाग

कुल क्षेत्र : 107.00 एकड़ [लगभग]

या 43.30 हेक्टर [लगभग]

कुजु ग्राम में अर्जित किए जाने वाले प्लॉट सं०

50 [भाग], 53 [भाग], 54 से 73, 74 [भाग], 75 [भाग], 76 [भाग],
77 [भाग], 78 [भाग], 79 [भाग], 93 [भाग], 94, 95 [भाग], 96 [भाग],
97 [भाग], 107 [भाग], 122 [भाग], 123 [भाग], 125 से 145, 146 [भाग],
147, 148, 149, 150, 151 [भाग], 152 [भाग], 153 [भाग], 154, 155 [भाग],
156 [भाग], 157 [भाग], 158 [भाग], 160 [भाग], 163 [भाग], 164 [भाग],
165 [भाग], 166, 167 [भाग], 174 [भाग], 175 [भाग], 176 [भाग], 177 [भाग],
178 [भाग], 179, 180, 181 [भाग], 182 [भाग], 183 से 187 और 188 [भाग],
207 [भाग], और 256 [भाग].

पोखरिया ग्राम में अर्जित किए जाने वाले प्लॉट सं०

1 से 9, 10 [भाग], 11, 12 [भाग], 18 [भाग], 32 [भाग], 33, 34,
35 [भाग], 36 से 40, 41 [भाग], 42 [भाग], 45 [भाग], और 46 [भाग].

रेखा, कुजु ग्राम में प्लॉट सं 164 नदी, 50, 53, 50, 79, 78, 77, 76, 75, 74, 93, 47, 96, 95, 107, 123, 151, 122, 152, 153, 152, 165 और 207 से होकर जाती है जो कुजु डोंगला खान के साथ सम्मिलित सीमा बनाती है और बिन्दु "ट" पर मिलती है।

रेखा, कुजु ग्राम में प्लॉट सं 207, 256, 207, 165, 156, 155, 157, 158, 50, 160, 50, 146, 50, 163, 50, 165, 188, 182, 181, 178, 177, 176, 175, 174 और 167 से होकर जाती है और फिर पोखरिया ग्राम में प्लॉट सं 46, 10, 18, 12, 18, 12, 32, 41, 42, 35 और 45 से होकर जाती है जो मूरपा कोलियरी के साथ भागतः सम्मिलित सीमा बनाती है और बिन्दु "त" पर मिलती है।

रेखा नाले की मध्य रेखा के साथ साथ जाती है जो आरा और पोखरिया ग्रामों की भागतः सम्मिलित सीमा बनाती है और बिन्दु "थ" पर मिलती है।

रेखा, नदी की मध्य रेखा के साथ साथ जाती है जो पोखरिया और वोगदारा ग्रामों की सम्मिलित सीमा बनाती है और बिन्दु "द" पर मिलती है।

रेखा, नदी की भागतः मध्य रेखा के साथ साथ जाती है जो कुजु और हेलागारा ग्रामों की और हेलागारा कोलियरी सीमा के भाग के साथ साथ सम्मिलित सीमा बनाती है और आरम्भ बिन्दु "ड" पर मिलती है।

(Handwritten signature)

॥ वी० वी० राव ॥

अवर सचिव, भारत सरकार

सं० 43015/E/85-सी०ए०/एल एल डब्लू

प्रबंधक [तकनीकी],
भारत सरकार मद्रास,
रिंग रोड, मायापुरी,
नई दिल्ली।

27/7-78

CERTIFICATE OF POSSESSION OF LAND MADE OVER TO THE PARTIES ON WHOSE BEHALF IT HAS BEEN ACQUIRED.

(See Executive Instruction No. 103 of the Land Acquisition Manual).

Certified that I have this day the 28th of July 1981... delivered possession to Sri P. P. Sinha, Revenue Officer... (Designation) S.M. Office (C.C.C.) Kujia... of 4.74 acres of land situated in villages Kujia Pargana Jagdish, Thana Mandu Thana No. 154. District Hazaribagh, which has been acquired under the declaration no. D.L.A. 492-92/81-1248R dated the 25-3-81... published at pages 6 of the Zila Gazette dated the 1-4-81 for the purpose of Construction of Quarries near Quarry No. 3 of Kujia Colliery.

Signature... Designation... 28/7/81 K. S. O. H. B. A.

CERTIFICATE OF POSSESSION OF LAND MADE OVER TO THE PARTIES ON WHOSE BEHALF IT HAS BEEN ACQUIRED

(See Executive Instruction No. 103 of the Land Acquisition Manual).

Certified that I have this day the 28th of July 1981... received possession at the hands of Sri B. Bhagat, Revenue Officer... (Designation) P.L.A.O. H. B. A. of 4.74 acres of land situated in villages Kujia Pargana Jagdish Thana Mandu Thana No. 154. District Hazaribagh, which has been acquired under the declaration No. D.L.A. 492-92/81-1248R dated the 25-3-81 published at pages 6 of the Zila Gazette dated the 1-4-81 for the purpose of Construction of Quarries near Quarry No. 3 of Kujia Colliery.

Signature... Designation... 28/7/81 Revenue Office (K)

20/5/81

CERTIFICATE OF POSSESSION OF LAND MADE OVER TO THE GOVT. ON BEHALF OF THE STATE

(See Executive Instruction No. 103 of the Land Acquisition Manual)

Certified that I have this day the 23rd of January 1981 delivered/received possession at the hands of Sri. P. P. ... (Designation) ... 5.23 acres of land situated in villages ... thana ... thana No. ... District ... which has been acquired under the declaration No. ... Dated the ... published at pages ... Bihar Gazette dated the ... for the purpose of ... Mining operation at Raju Collieries

Signature ... Designation ... 23/1/81

M.A.

CERTIFICATE OF POSSESSION OF LAND MADE OVER TO THE GOVT. ON BEHALF OF THE STATE

(See Executive Instruction No. 103 of the Land Acquisition Manual)

Certified that I have this day the 28th of Jan. 1981 delivered/received possession at the hands of Sri. B. Bhagat (Designation) ... 5.23 acres of land situated in villages ... thana ... thana No. ... District ... which has been acquired under the declaration No. ... Dated the ... published at pages ... for the purpose of ... Mining operation at Raju Collieries

Signature ... Designation ... 28/1/81

बिहार सरकार
राजस्व एवं भूमि सुधार विभाग
(भू-अर्जन निदेशालय)

अधिसूचना

पटना, दिनांक..... १९

सम० श्री०.....

यदि बिहार राज्यपाल को यह प्रतिष्ठित होता है कि ग्राम..... **कुठु** पाना न० 154
..... परगना **जमशेर** थाना **मान्हु** जिला **स्वामीवाग** में

मान्यता प्राप्त प्रयोजन, अर्थात् **खेती एवं अन्य कार्य**
के लिये **भारत सरकार** के कर्तव्य पर सरकार द्वारा भूमि का बटव अर्जित है, इसलिए इनके द्वारा
प्रतिष्ठित किया जाता है कि उपरोक्त ग्राम **कुठु** के अंतर्गत समावेश.....
कठु..... भू का जो मात्रा माप से **4.58** एकड़ के बराबर होता है, **एक**
भू-खण्ड अर्जित है, जिसका विवरण इसका **खंड लेखा संख्या :- 297 से 300 का 302 का 306 का 312 का**

313, 314 का एवं 316 का /

है तथा भू-खण्ड की सीमा निम्न प्रकार है।

- उत्तर — **खंड लेखा संख्या 283 एवं 296**
- पूर्व — **खंड लेखा संख्या 296, 309**
- दक्षिण — **खंड लेखा संख्या 316 का 312 का 311, 313 का 310 एवं 306 का**
- पश्चिम — **खंड लेखा संख्या 306 302 एवं 283 पूर्ण ।**

टिप्पणी :- खंड लेखा संख्या 313 गैरमजबूत खंड को अर्जित की सुविधा दिया जाता है ।

यह अधिसूचना (बिहार अधिनियम ११, १९९१ द्वारा बना संशोधित अधिनियम १, १९९१ की धारा ४ के उपबंधों के अधीन
जब सभी धोरणों के लिए जारी की जाती है, जिसका इससे संबंध है।

जब भूमि का नया भूमि-अर्जन पदाधिकारी, हस्ताक्षरों के माध्यम से देला जा सकता है।

बिहार सरकार भूमि अर्जन पदाधिकारी, हस्ताक्षरों और उनके स्टाफ तथा इस परिषद के आरंभिक अनुसंधान में परामर्श
के पदाधिकारियों और स्टाफ को प्राधिकृत करती है कि वे भूमि पर प्रवेश कर उसका
सर्वेक्षण करे बिना अधिनियम की धारा ४ की उप-धारा (२) में क्या प्रावधानों या अन्य विनियमित अपने कार्य के समुचित
निर्देशों के लिये अर्जित अन्य सभी कार्य करे।

यदि बिहार राज्यपाल को यह प्रतिष्ठित होता है कि उपरोक्त भूमि.....
उपरोक्त/उपरोक्त नया अर्जन आवश्यक है, इसलिए जल अधिनियम की धारा १७ की उप-धारा (४) के अधीन विदेश दिया जाता है कि
उपरोक्त अधिनियम की धारा २ अ के उपबंध उपरोक्त भूमि/भूमियों पर लागू नहीं होंगे।

.....
.....
.....
.....

(2)

CERTIFICATE OF POSSESSION OF LAND MADE OVER TO THE PARTIES
ON WHOSE BEHALF IT HAS BEEN ACQUIRED.

(See Executive Instruction No. 103 of the Land
Acquisition Annual).

Certified that I have this day the 4th September 1981
delivered possession to B. P. Sinha
..... (Designation) Revenue Officer (C.C.) Kujer of
1.11 acres of land situated in villages Kujer
Pargana Tagesher & Thana Mandur Thana No. 154
District Hazeribagh, which has been acquired under the declaration no.
D.L.A. Haz. 95/81 R. 799 dated the 21-2-81 published at pages
15 of the Zila Gazette dated the
1-3-81 for the purpose of Extending quarry
and other allied works at Kujer Colliery

Signature .. [Signature]
Designation .. K.O.
D.L.A.O. H. P. 2056

CERTIFICATE OF POSSESSION OF LAND MADE OVER TO THE
PARTIES ON WHOSE BEHALF IT HAS BEEN ACQUIRED

(See Executive Instruction No. 103 of the Land
Acquisition Manual).

Certified that I have this day the 4th September 1981
received possession at the hands of Shri B. P. Sinha
..... (Designation) Kamunga D.L.A.O. H. P. Bagh
of 1.11 acres of land situated in villages
Kujer Pargana Tagesher Thana Mandur
Thana No. 154 District Hazeribagh, which has been
acquired under the declaration No. D.L.A. Haz. 95/81 R. 799 dated the
21-2-81 published at pages 15
of the Zila Gazette dated the 1-3-81
for the purpose of Extending quarry and other allied works
at Kujer Colliery

Signature .. [Signature]
Designation .. Revenue Officer
Kujer Area C. C. Ltd.

बिहार सरकार

राजस्व एवं भूमि सुधार विभाग

सूचि - पत्र अधिचोपना

पटना, दिनांक १-३-६१

संख्या - सी० एल० ए० - हुआ० - १५। ६१ / ४२६ रा० - पाम कुजु याना माणू याना न० १५४ परमना जेसर जिला हुजारीबाग के अन्तर सी० सी० एल० हेतु अधिनामीय रकमा ७.०२ एकड़ का अधिचोपना संख्या - सी० एल० ए० - हुआ० - १५। ६६ - ४६ या० दिनांक ११-१-६० का प्रकाशन जिला गवट अंक संख्या - ११ दिनांक १६-२-६० के पृष्ठ संख्या १, २, ३ एवं ४ पर हुआ है जिसमें कुछ अशुद्धि पाई गई है, उसे निम्नवत् सुधार कर पढ़ा जाय :-

(१) चौहद्दी खण्ड - ३ के उत्तर में सर्वे संख्या संख्या - ३४१ के स्थान पर ३४१ अंक पूर्ण अंकित पढ़ा जाय ।

(२) याना न० - १५४ के स्थान पर १५४ पढ़ा जाय ।

बिहार राज्यपाल के आदेश से
ह० जे० के० पी० स्त्रीवार
सरकार के उप सचिव

संख्या - ४२६

सी० एल० ए० - हुआ० - १५। ६१

पटना, दिनांक १-३-६१

प्रतिलिपि, निदेशक, सूचना एवं जन सम्पर्क विभाग, बिहार, पटना को दो स्थायी समाचार पत्रों में प्रकाशनार्थ तीन प्रतियों में प्रेषित ।

(२) प्रतिलिपि, पंचायती बिद्या पत्र पदाधिकारी, हुजारीबाग को जिला गवट के अगले अंक में प्रकाशनार्थ प्रेषित ।

(३) प्रतिलिपि, अपर समाहर्ता, हुजारीबाग को उनके पत्रांक - ३५२ दिनांक २६-१-६० के पृष्ठ में सूचनाार्थ प्रेषित ।

ह० जे० के० पी० स्त्रीवार
सरकार के उप सचिव

सी० सी० एल० ।
जुकि बिहार र
न० २३, जिस
सरकार के अर्जी
है कि प्रयोक्ताना
के १५.४१ एकड़
मासिक सर्वे क्षेत्र

उत्तर :- आदि
दक्षिण :- आदि
पूरव :- आदि
पश्चिम :- आदि

उत्तर :- आदि
दक्षिण :- आदि
पूरव :- आदि
पश्चिम :- आदि

भूमि
खानों की जाय
जा रही है उः
घोषणा अधि
के अधिन उन
पदाधिकारी

संख्या -
में प्रकाशन
(२)
प्रकाशनार्थ
(३)
सूचनाार्थ ।

INDIA



Handwritten text in Hindi/Urdu script, possibly a signature or official note.

Seen
[Signature]
01.12.61
92.8.66

318C

The indenture of sub lease is made this 1st day of September one thousand nine hundred and sixty one between BORARO AND BORARO LIMITED a company duly incorporated under the Indian Companies Act 1922 and having its Registered Office at Wellesly House No. 7 Wellesly Place Calcutta (hereinafter called "the company" which expression shall ^{be} expressly excluded by or repugnant to the context be deemed to include the company and its assigns) of the one part and HAJI CHARAN SINGH J. D. CO. LIMITED a company with limited liability incorporated under the Indian Companies Act 1913 and having its Registered Office at 77 Tara B. Co Road Bombay (hereinafter referred to as "the sub lessee" which expression shall ^{be} expressly excluded by or repugnant to

CD



want to in context ^{no} be deemed include its
 successors and permitted sub leases transfers
 and assigns of the other part and there
 by an indenture of lease (hereinafter called
 the said Mining lease) dated the Twenty
 day of August one thousand nine hundred and
 forty four and made between Maharaja Rama-
 Krishna Narayan Singh Bahadur (hereinafter
 called the Raja) of the one part and the
 company of the other part the Raja
 granted and demised to the company for
 the consideration therein mentioned the
 under ground coal mining rights of and in
 the land and premises situate and
 being parts of mangas Kujin Hasagera
 (Kasikhab) and Bamisal within thana Manik
 thana number 154, 192, 193 and 197 (respectively)
 Pergana Jageswar district Jharkhand
 containing a total area of one thousand two
 hundred and seventy two decimal nine two
 hundred and more or less and more particularly
 as the first schedule hereof hereinafter

2
 (3)
 10



expressed as "the premises" subject to the
 several covenants conditions and provisions
 5 (1) (2) (3) (4) (5) (6) now remaining inoperative concerning.
 6 And whereas (7) for the purpose of R.R.
 2 5-15-9-50 and page) 2. of (enacting) the company
 for work the premises these the surface lands
 comprising an area of one hundred and
 twenty three decimal seven eight areas the
 villages Raju and Hasayatu (hereafter referred
 to as "the surface lands" situated within
 and being a portion of the said land
 and premises the under ground coal
 mining rights where of were granted
 and demised unto the company by
 the Raju by the said mining lease
 well on the application of the company
 acquired by the government of
 Bihar under the land acquisition
 Act 1949 at the cost of company and
 possession thereof of was made over
 to the company subject to the said
 covenants. (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20)

Division contained ^{no} ~~any~~ in agreement
 dated the ~~fourteenth~~ ^{fourteenth} day of June
 one thousand nine hundred and forty seven
 between the Company and the Governor of
 Bihar and whereas the surface lands are
~~comprised~~ ^{comprised} for the working of the premises.
 And whereas the Company has erected on
 the surface lands buildings and colliery works
 particulars whereof are set out in the
 second schedule here to and has set up
 and brought therein machinery plant
 furniture fixtures and fittings particulars
 whereof are contained in the third schedule
 here to. And whereas by an agreement
 in writing between the parties here to
 dated the twenty eighth day of May one
 thousand nine hundred and forty nine
 it was agreed that the Company should
 grant and the sub lessee should take a
 mining sub lease of the premises and
 that the Company should sell and the
 sub lessee should purchase certain buildings
 plant and machinery as mentioned in
 the said agreement for the consideration
 and upon the terms and conditions there
 in the said agreement contained. And
 whereas subsequently the said terms and
 conditions were varied by ^{mutual agreement} ~~mutual agreement~~

one two hundred per cent to be paid
in the manner and subject to the terms
and conditions hereafter contained (3) and
sell to the sub lessee as movable assets
except and pertaining to the company
Mr. Sutcliffe lands the plant machinery
and movable property use fixture on
and leased to Mr. Sutcliffe lands and
been given to the company and the
transfer to the sub lessee all the
surveys of the company capable of
being transferred in respect of the
holding known as the "Royal Ash-stick"
situated at the place or for the 1st con-
-dition of the sub lease so the com-
pany set out on the land which
is hereby. And this indenture witnessed
as follows: On the 1st day of the month
agreement to grant a mining sub
lease and an extension of the said
lease and permission of the said
and the company has paid by the sub
lease to the company or a sub-lease
their own day of July one thousand nine
hundred and forty nine (the said lease
of the company by which the said

The balance there¹⁰ to be held in manner
 described in the said third schedule
 the company do hereby grant and
 demise unto the sub lessee its the 11. 6. 1890
 (4th page) 4. 111 and purchase the under
 ground coal mining rights of and in the
 premises with full liberty and power to the
 sub lessee to search for work make
 merchantable and carry away the coal that
 found. And also to do and power for the
 purposes aforesaid and all other purposes
 connected therewith to do any such work make
 repairs and use all such pits shafts drains
 levels water gate planes adits ~~(^(water) ⁽¹⁴⁾~~
 ways and air ways and so from and erect
 engines machinery driving flowers buildings
 workshops stonings hoovers collies godowns
 coke ovens passages buckerles inciner and
 things and so from all such rail ways and
 tram ways and other ways and communications
 spoil heaps and other conveniences in or over
 under the said lands as may be necessary
 in the premises. To have the premises hereby
 demised unto the sub lessee from the
 first day of August one thousand nine
 hundred and fifty for the an ~~term~~
 residue of the said term to ~~run~~
 and ninety nine years less one day ^{subject}
 to the provisions for ~~(⁽¹⁵⁾~~ earlier determination
 now by ~~renewal~~ for ~~future~~ and other
 in

(14)

15

will hereinafter ^{not} ~~be~~ ^{be} ~~continued~~ ^{continued} yielding and
 paying therefore in to the company by
 monthly payments in each year (the first
 of such payments to be made on the
 occasion day of October one thousand
 nine hundred and fifty) the royalty
 on all coal and coke raised gotten manu-
 factured and ^(despatched) ~~(despatched)~~ from the said
 lands hereby demised at the rates
 following that is to say eight annas per
 ton in all coal raised gotten or despatch-
 ed irrespective of whether the same
 be despatched as steam coal or as coal
 stock or dust coal and three annas
 per ton in all hard coke and twelve annas
 per ton in all soft coke manufactured and
 despatched provided notwithstanding that there
 shall be paid by the sub lessee to the
 company by equal monthly payments a
 minimum royalty at the scale of prices
 for pit in the standard rights of
 land commission in the mines
 situated coal shall be raised and
 of coal shall be raised and the royalty
 paid on the coal raised during
 each year shall be less than the total
 minimum royalty than the balance
 thereof shall be paid provided also that
 any royalty shall be payable thereon

11

of any coal coke or such ²³⁰comenced
in the buildings or workings of the R.N.S.
15. 4.50 (5th rate) 5. In mines or for tunneling
tunnels or lead to connection with
working the mines hereby demised or
pursuant to the service of workmen or
agent of the sub lessee employed in
the said mines for their personal
consumption covenants by the sub lessee
the sub lessee hereby covenants with the
Company in manner following that
is to say 1. that sub lessee will during
the continuance of this sub lease duly pay
to the Company the royalties hereby
reserved or under payable on a ⁽¹²⁾~~weekly~~
at the days or times and in the
manner herein before ⁽¹⁸⁾~~expressed~~
appointed for the payment thereof
and of all deduction whatsoever and
shall take receipts for the same signed
by the Company its managing agents
or other agents duly authorised in their
behalf and such receipts shall above
be accepted as evidence of such payments
and will also pay all ~~charges~~ payments and
other cesses taxes and other impositions

17
18

with now one or ^{the} more at any time here after during the continuance of this sub lease be assessed or imposed on the premises including any amount which the company may pay to the Superior Land Lord under any covenant similar to any present covenants by way of reimbursement of cesses taxes and other imposition paid of the centering's superior Land Lord to governments and will also from time to time supply and deliver to the company at the pits month all such coal as may be required by the superior Land Lord for the domestic use of the company for unimproved bonafide consumption but not for sale or ~~other~~⁽¹⁹⁾ other purposes.

19

that each ~~yearly~~⁽²⁰⁾ ~~years~~ ~~account~~ ~~of~~ ~~the~~ ~~company~~ years account of royalty shall be kept separate and distinct from every other year that is to say, that if in any year sufficient coal shall not be raised to realize the minimum royalty hereby reserved the sub lease shall not be at liberty to mine at the deficiency of that year from the proceeds of any year.

20

21

that the sub lease will be ~~as~~⁽²¹⁾ ~~of~~ ~~the~~ ~~same~~ ~~as~~ ~~the~~ ~~original~~ ~~one~~

possible after the commencement of the term hereby granted shall and work and develop the mines of coal hereby demised and carry on coal mining operations as skillful and workman-like manner as possible so as to ⁽²²⁾ comply with R.N.S 15-4-50 (6th case) with the rules and regulations for the time promulgated

(23) by the government in that ^(behold) ~~(behold)~~ ⁽²³⁾ and with as little damage as possible to the surface of any portion of the said lands under cultivation and to the buildings and erections thereon and shall indemnify the Company against all damage it may suffer by reason of any negligent working of the mines here by clause 4. That by Clause in the mining operations contemplated

-led by this presents the sub-lessee will at all times obey and act in accordance with any lawful instructions which may

24 from time to time ⁽²⁴⁾ ~~be~~ be given to the sub-lessee by any government instructions of mines under the mining act. 5. That the sub-lessee will not at any time do or commit or suffer to be done or committed without the mines and premises hereby demised and will ~~ful~~ ^{ful} a negligent act

hereby the mine ^{no} and premises hereby
 demised or any part thereof may be
 damaged or over charged with water
 or foul air or stopping the working of
 any such mine may be impeded or
 prevented or with any occasion or being
 or any effect such a trust upon the levels
 all courses water courses or works of the said
 mines or any part thereof. 6. That in case the
 sub-lessee shall at any time or times during
 the said term take or occupy or use any of the
 cultivated portions of the premises now or
 hereafter to be in the occupation of the
 tenants or other persons or cause any injury
 or damage to any part of the premises or
 any building cactus trees or crops thereon
 then and in every such case the sub-lessee
 will pay to the tenants or occupiers of the
 portion of the premises so taken occupied
 used or injured as aforesaid proper compensa-
 -ation for or in respect of such taking occupation
 use or injury the amount of such compensation
 to be arranged between the sub-lessee and
 such tenants or occupiers and shall in
 demerit of the Company from and against
 all actions proceedings claims and demands
 in respect of any such occupation use or

Injuring 7. That the agents servants and workmen either at the company or the Superior Land Lord, it authorized in writing in that behalf shall be at liberty at all reasonable times after giving 48 hours notice in w.s. 15. 9. 50 (7th page) 7. hours notice in writing during the said term to inspect and examine all works carried on by the Sub lessee under the licenses herein before granted and the Sub lessee shall assist such agents servants and workmen in considering such instructions and shall afford them all cooperation connected with the working of the mine which they may reasonably require and also shall and will from time to time and at all

(25)

times during the said term hereby ~~granted~~⁽²⁵⁾ granted conform to and observe all orders and regulation which the government mining inspector of mines or mines may from time to time see fit to impose in the interest of public health and safety
 2. That the Sub lessee shall order or cause to be entered in proper books of account to be provided and kept for that purpose (and which books shall at all reasonable times be open to the

(14)

Some (if necessary) by the production
of books and vouchers (railway receipts
challans or receipts being accepted by the
Company as conclusive) and the sub lessee
shall not despatch coal from the premises
otherwise than by Railway or in the
first instance by cart or tramway to the
railway and will at the same time pay
to the Company the amount of freight
(if any) due and during A.R.V.S. 15.
4.50 (8 1/2 m. stage) 8.9. That the sub
lessee shall all times during the continuance

29 of this sub lease cause all ⁽²⁹⁾ ~~all~~ stone coal
and other descriptions and classes of
coal come and or dust raised or
manufactured to be kept distinct
and separate according to their class
and to be despatched separately and will

30 ⁽³⁰⁾ ~~part~~ keep the premises and mines and
every part thereof distinct and separ-
ate from other mines and workings
and will not raise any coal or dust
from the premises except from quarries or
through pits inclines or shafts other than in the
premises and will keep same and

(15)

correct plants and sections of the
mines hereby demised and the working
thereof upon with the exact position
and actual condition of the works
shall at least once in every half
year be accurately set forth and
delineated such plans to the extent
at the office of the said mines
and will admit the Company and
its superior level level and its or
his agents duly otherwise in writing
the that behalf at all reasonable
times to have access to and inspect
and occupy and take copies of or
extracts from the plans so ^(be kept and) ~~(be)~~ ^{shall} ~~be~~ ^{be} ~~kept~~ ^{kept} ~~and~~ ^{and} ~~the~~ ^{the} ~~plans~~ ^{plans} shall

31 — Inability to the Company which at such plans
once in every half year if it shall so
depart 10. That the sub lease shall not sublet

32 — That the ³² or assign its sub lease hold rights
and interest under these presents into or in
respect of the premises hereby demised or
any part thereof to any person or
persons, company or syndicate - whether
also absolutely or by any of mortgage a
sub-lease or otherwise now or hereafter

by the sub lessee under the license and liberty in their behalf herein before contained together with

36 all pits shaft water ⁽³⁶⁾ courses air jets tables and fixtures below ground level which cannot be removed without causing injury to the said mines except any pits and

32 shafts or other works ⁽³²⁾ which work have been abandoned or disused in the ordinary and fair course of working the said mines

and provide 12. That the sub lessee shall at all times permit the company and its superintending land lords and its or his tenants servants and agents and the holders for the time being of any other mining lease of

38 any lands in the ³⁸ ~~parts~~ BOKARO and Rengachin coal fields to use for im-
-cess of their business all roads or paths on premises but so that the due and proper

conduct of the business of the sub lessee shall not be interfered with by any such user 13. That the sub lessee with lease

such quantities of coals as may be necessary for the support of any house or buildings now existing or which may hereafter be erected on the premises by the sub lessee

14. That the sub lessee shall pay to the company proper compensation calculated at the prevailing market rate for any trees belonging to the company or its superior

18

land ^{or} could that may be cut down or
destroyed by the sub lessee such compensation
to be paid on the day for the payment
of minimum royalty next following such
event is that the sub lessee shall not
in the exercise of any of the rights herein
before granted in respect of the surface
of the premises interfere with or disturb
any existing temples places of worship
burial or burning grounds 16. That the sub
lessee shall not work or raise any
minerals other than R-14. 9. 15. 4. 53 (10th page)
10 other than coal in the premises and
shall if it finds any such other minerals
forth with give notice thereof to the
Company and if it shall raise any
such minerals shall forth with make
them over to the Company for delivery by
the Company so its superior land with
and the superior land lord of the
Company and his assigns and agents
shall be at liberty to search for work and
raise any such minerals provided always
that the due and proper working by the
sub lessee of the rights hereby granted shall
not be reasonably interfered with and
the sub lessee hereby further covenants
and

That he will not ^{nor} make ~~use~~ ^{use} ~~with~~ ^{with} ~~the~~ ^{the} ~~mines~~ ^{mines} and ~~no~~ ^{no} ~~minerals~~ ^{minerals} lying within or within
 and under ~~possesses~~ ^{possesses} ~~and~~ ^{and} ~~that~~ ^{that} ~~the~~ ^{the} ~~mines~~ ^{mines}
 or ~~minerals~~ ^{minerals} or ~~in~~ ⁱⁿ ~~any~~ ^{any} ~~wise~~ ^{wise} ~~shall~~ ^{shall} ~~in~~ ⁱⁿ ~~any~~ ^{any} ~~wise~~ ^{wise} ~~interfere~~ ^{interfere} ~~with~~ ^{with} ~~the~~ ^{the} ~~working~~ ^{working}
 or the conveyance and disposal of the
 produce thereof of ~~and~~ ^{and} ~~so~~ ^{so} ~~far~~ ^{far} ~~as~~ ^{as} ~~may~~ ^{may} ~~be~~ ^{be}
 necessary for the due exercise and enjoy-
 ment of the rights hereby granted 17. That
 if the Sub Lessee becomes aware of any
 proceedings to recover the property being
 comprised in any portion thereof or
 any encroachment made upon or any
 interference with the rights of the
 Company or its Superior Land Lord concerning
 such property it shall be bound with reason-
 able diligence to give notice thereof to
 the Company 18. That the Sub Lessee shall
 perform and observe the Sub Lessee cove-
 nants and stipulations contained in the
 said indentures of lease dated the twenty
 eighth day of August, one thousand nine
 hundred and forty four ^(except only) ~~that~~ ³⁹ the
 covenant for payment of the rents and
 Royalties thereby reserved and shall keep the
 Company indemnified against all claims damages,
 costs and expenses in respect of the non-
 performance or non-observance thereof ~~the~~
 No

39

Company's covenants. The ^{the} company hereby
covenants with the sub lessee in manner
pertaining thereto to say 1. that the sublessee
paying the rents and royalties reserved
and observing and performing the covenants
and provisions hereinafter and as they
shall to be observed and performed R.M.
S. 15.9.50 (11th Page) 11. performed shall
and may peacefully and quietly hold and
enjoy the right and premises hereby

demised for and during the term hereby
(40) granted ~~without~~ ⁽⁴⁰⁾ without any lawful inter-
-ption from any the company or any other
person or persons right fully claiming or
to claim any interest in the whole or
any part of the premises from under
or on behalf of the company or its
predecessors in title. 2. that if so made as
the sub lessee the company will all its

best endeavours so far as from the
41 Superior land ~~(1948)~~ ⁽¹⁹⁴⁸⁾ and where so far as
grant or make over to the sub lessee
all the superior land load interest in
so much of the full rights thereof
in the premises as may be required
and

for all other purposes ^{to} subject to the payment
 of rent to the Company in the case of
 waste land at such rate as may be
 agreed upon between the Company and the
 sub lessee and in the case of waste land
 at such rate as may be agreed upon
 between the Company and the sub-lessee
 and in the case of cultivated lands at
 such rent and salami as may be
 customary in the village in which the
 said lands are situated together with
 such costs as may be incurred in
 the acquisition thereof and such conditions

42

as ⁴² may be payment to the tenants
 some rights and interests have been acquired
 thereat at the rate of one anna per
 acre per annum or the rent which was
 being paid by such tenants to the superior
 land lord of the Company which were

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may be ⁴³ provided ⁴³ always that
 upon the sub lessee ceasing to require any
 such surface right for such ⁴³ purpose
 it shall pass with the same to the Company or to the superior land
 lord as the Company may direct that
 the sub lessee shall not be liable at any
 time during the term of the

intent to determine ^{the} this sub. lease by
 giving to the company seven calendar
 months which of its instructions in their copy
 provided always that the company shall not
 be bound to accept same until all
 sums including installment of unpaid
 balance due to the company from the sub
 lessee under these presents shall have been
 duly paid and the sub lessee shall not
 be entitled to claimed refund of any thing
 whether by way of claims or purchase
 consideration which shall have been paid
 by the time by him to the company here
 under 4.R.P.S. 15-9-50 (12th page) 12-4 that
 upon the determination of this sub-lease
 and upon payment of the company of all
 sums due to the company from the
 sub lessee under these presents including
 installment of unpaid balance and ~~other~~^(if)
 other wise the sub lessee shall be entitled
 to and shall remove and take away all
 cash raised and all ingoing machinery
 fixed and moveable prop-ty and other
 movable property and effects belonging to
 or bought upon the premises by the sub-
 lessee of any kind or sum to the sublessee
 present to these presents within four
 weeks

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coal under months from the date of deter-
 mination of the sub lease provided that
 if the sub lessee shall fail to remove from
 the premises all such coal machinery fixed
 and moveable plant tools and furniture
 moveable property and effects as approved
 within the time limited as aforesaid the
 company shall be at liberty to remove the
 same at the cost of the sub lessee without
 incurring any liability to the sub lessee
 for any loss or damage that may be
 caused by such removal and the
 said items herein before specified
 shall during and after removal continue
 to remain in place at the risk of the sub
 lessee and the company shall in no way
 be liable for any loss or depreciation in their
 value so that the company will pay the
 rents and royalties reserved by the said
 mining lease and will not assume the rights
 of relinquish ment contained ⁽⁴⁵⁾ in the
 contract of the sub lessee first obtained unless
 the sub lessee shall effect have occurred
 its right of relinquishment here under or
 shall have done or omitted to do anything
 here by the company shall have become
 entitled to remove upon the premises
 now

45

and this I understand for there witness
 as follows:—(1) In pursuance of the said
 agreement to grant a lease of Buildings
 and colliery works and consideration of the
 rents hereby reserved and to be paid
 by the sub-lessee to the Company the
 Company hereby demise up the sub-lessee
 all those in Buildings and colliery
 works now situated on the surface
 lands except and reserving to the
 Company the surface lands to hold
 the said buildings and colliery works
 for the term of ninety nine years
 with option of renewal or extension
 mentioned commencing from the first
 day R.M.S. 75-9-57 (1314 page) 13 days of
 August one thousand nine hundred and
 fifty at a rental of Rupees one
 thousand and two hundred only per
 annum per annum for the said ending
 on the thirty first day of December
 payable in advance in each year the
 first payment of such rental in
 respect of the period from the
 first day of August one thousand nine
 hundred and fifty to the thirty first
 day of December one thousand nine
 hundred and fifty

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thousand and fifty ^{two} monetary to be paid
 five hundred only to be made on or
 before the fifteenth day of January one
 thousand nine hundred and forty one
 and each subsequent payment of the said
 rental to be ⁽⁴⁷⁾ paid on the fifteenth
 day of January in each subsequent year
 less of all deductions (2) the sub-lease
 as the sub-lessee of the coal mining
 right at the premises and its suc-
 ced under lease transfer or assignment with-
 during the continuance of the sub-lease
 at the premises be at liberty as a
 licensee of the company in common
 with the company to use on the
 surface lands for all purposes of and
 incidental to the mining of coal
 but subject to the provisions contained
 in the said agreement dated the
 fourteenth day of June one thousand
 nine hundred and forty seven
 between the company and the

47

Government of Bihar and (b) the
^{15/11/40}
 assisted sideling and the lands
 pertaining thereto for the purpose
 of carrying coal and other materials
 to and from the said Kaja colliery -
 during the continuance of the mining
 there

48

lease hereby granted ^{to} (3) the sub-lessee
 hereby covenants with the Company in
 manner following, that is to say: -
 that the sub-lessee shall during the
 continuance of this lease of the buildings
 and colliery works duly pay the rent
 hereby reserved in respect thereof at or
 made by s. 15 & 50 (with part) in month
 payable on the ⁽⁴⁹⁾ 1st day or times
 and in manner ~~herein~~ ⁽⁵⁰⁾ herein after
 appointed for the payment ~~through~~
 free of deduction of all deductions whatsoever
 such and shall take receipts over the
 same signed by the Company its manag-
 ing agents or other agents duly
 authorized in that behalf and such
 receipts shall alone be accepted as
 evidence of such payment and
 will also pay all government and
 other taxes dues and other impositions
 which may at any time during the
 continuance of this sublease of the
 buildings and a colliery works be
 assessed or imposed thereon or in
 respect thereof (5) that in default
 of payment of any of the debts
 now and in which the said rents

49
50

are Royalty the Sub lessor shall pay to the Company interest - those on all the sub- of ten percent per annum from the date or dates or dates on which

51

the same become due and payable ¹⁵¹ ~~(151)~~ until payment (c) that the Sub lessor shall not during the continuance of the lease of the said buildings and colliery works sub let or assign wholly or by way of mortgage or otherwise whatsoever or part with the possession of the buildings and colliery works on the surface lands or any part thereof to any person or persons company or societies ¹⁵⁴ ~~(154)~~ ^{with in} ~~(with in)~~

52

the consent in writing of the Company previously obtained which consent shall not be unreasonably withheld (d) the Sub lessor shall at all times during the continuance of the lease of the buildings and colliery works so determine such lease by giving to the Company seven calendar months notice of its intention in that behalf provided that if the Sub lessor shall at any time during the

period of this lease ^{at} the buildings and colliery works surrender R. n. S. 18. 9.50 (15th page) is surrender to the Company the mining sub lease of the premises hereby granted or transfer or assign its leasehold interest therein without the consent or sanction of the Company as herein before provided in lease of the buildings and colliery works hereby granted shall determine from and upon the surrender transfer or assignment as the case may be by the sub lessee of the mining sub lease of the said colliery granted by these presents and the Company shall upon such termination

52 of the ⁽⁵³⁾ ~~lease~~ lease of the buildings and colliery works have full right to enter into possession thereof the sub lessee shall forth with upon such determination as aforesaid by the Company all arrears of rent which may have been due and also the estimated cost of essential repairs or improvements which may have become necessary to the demised buildings and colliery works or any part thereof

hereby approved (c) that the sub lessee shall that the buildings and collery works which shall continue to be the property of the company and the Rajah assistants siding in good repair and condition and shall deliver up the same to the company on the termination or determination of this sub lease as aforesaid in good repair and condition reasonable wear and tear excepted (f) that in the event of the objects of the said agreement of purchase under the said agreement dated the fourteenth day of June one thousand nine hundred and forty seven becoming inoperative and the said government commencing such rights and possession that of taking over the surface lands or any part or parts thereof on which the said buildings collery works plant or machinery belonging to the sub lessee may be situated the sub lessee will be entitled provided that all sums and instalments that may become due to the company

provided for there ^{use} the-~~it~~-sub-lease shall at any time during the-continuance of lease of the buildings and colliery works sub let transfer or assign ~~the~~ written consent of the company its lease hold rights and interests under the mining sub lease of the premises hereby agreed to as provided in clause 10 of the lease transfer or assign to its permitted sub lessee transfer or assign its lease hold rights and interests under the lease hereby granted of the buildings and colliery works on the surface lands and any rights that it may have in the Raju assisted siding the intention being that the buildings and colliery works on the surface lands and the Raju assisted siding shall at all times as used be and accepted for the purpose of the working of the Raju colliery by the sub lessee and or its permitted under lessee transferee or assignee for the time being entitled R. N. S. 15. a. 506 10 in pages 16. entitled to work the Raju colliery under the mining sub lease of the premises

with the sub lessee in manner following that
 it to say (1) that if at any time during
 the continuance of the lease of the said
 buildings and the colliery works the sub
 lessee shall give notice to the company of
 his intention to determine the sub lease
 of the coal mining rights hereby granted
 in pursuance of the liberty in the behalf
 contained in clause 3 of the Company's
 Government in that behalf then and
 in due case shall notice to determine
 the said sub lease shall be deemed to be
 and shall have the same effect as if
 made to determine the lease of the

57 buildings and colliery works ⁽⁵⁷⁾ hereby
 granted whether the intention to determine
 the lease of the buildings and colliery

58 works shall have been ⁽⁵⁸⁾ ~~expressly~~ specifically
 mentioned in the notice or not in
 which case separate notice for the
 determination of the buildings and
 colliery works shall have been given or
 not (b) that the sub lessee paying the
 known royalties and other moneys hereby
 reserved and payable and observing
 and performing the several covenants
 and stipulations here contained and
 if there shall not be any existing
~~or~~

Waives or non observance of any of the
 covenants conditions stipulations and
 terms of the sub lease here contained in
 respect of the mining sub lease as also
 of the lease of the buildings and colliery
 works the Company will on the written
 request of the sub lessee made the
 calendar month before the ending of
 the term of the lease of the buildings
 R.N.S 15.9.50 (18th page) 18. buildings
 and colliery works granted to the sub
 lessee on the lease of the buildings
 and colliery works and a further lease
 for the use of the surface lands for
 the further term of ninety nine years
 from the expiration of the said term of
 ninety nine years at the same rate and
 containing the same covenants and
 provisions as are in sub clause (11) hereof
 contained in respect of the present
 covenant for removal) sub soil to the
 condition aforesaid the sub lessee shall
 be entitled to similar options of
 renewal of the lease of the buildings
 and colliery works hereby granted for
 further consecutive periods of ninety nine
 years each provided that their present
 lease of buildings and colliery works
 and any renewals thereof shall form with
 the

delete mine upon the ^{pro} termination by any
 means of the mining sub-lease hereby
 granted III And this Indenture further
 witnesseth that in pursuance of the said
 agreement for sale of (a) plant-machinery
 and moveable property in and about the
 premises and (b) all rights of the Company
 capable being transferred in respect of
 the siding thereon as the parties aforesaid
 siding and a consideration of the same
 some of Rupees thirty thousand to be paid
 by the sub-lessee to the Company in
 the amount set out in the said
 third schedule hereto the Company has
 conveyed and transferred into its
 lease that the plant machinery
 moveable property and right which are
 situate at the premises and in the
 surface lands except and reserving the
 surface land to the Company or delivery
 of position thereof into the sub-lessee
 or such machinery moveable property
 and rights are not intended to be
 conveyed or assumed by the persons
 (iv) (a) the sub-lessee shall during the
 sub-lease term of the sub-lease of the
 mining rights hereby granted pay to
 the Railway Company all sums which
 so be paid so far as in respect of the

first and binding where there shall be such sum or sums due or may become payable in respect of any period between (b) R. No. 15.9 50 (15th page) 19 10) the Company shall be entitled to all sums which may at any time hereafter be recoverable or payable by the Railway Company in respect of the Rajin in assisted siding and or the lands appertaining

59 There to (c) the ~~sub-lease~~ ¹⁵⁹ sub-lease hereby gives to that the Company indemnified against all liabilities what soever in respect of the Rajin assisted siding and all claims in any account what soever of the Railway Company arising ~~there~~ ¹⁶⁰ all of or under the Rajin assisted siding v. the leasehold of the sub-lease entered by the mining sub-lease hereby granted and by the lease of the said buildings and colliery works to gether with all mines above and below in the townships and any surface land which may hereafter be found by the Company to the sub-lease and also all royalties of what soever nature or description moveable or immoveable appertaining there to a belonging to the sub-lease and for the time being lying in or about the premises and on the surface land including all tools plant machinery buildings wharves tanks tubs tramways stocks of coal etc shall be and shall remain charged as and by way of first and continuing security over and for the payment of the balance of the said sum payable. which of the said mining

sub lease the purchase price payable for the said
 machinery plant and other movables royalty
 minimum royalty and all the other
 buildings and works interests and other
 payments hereby reserved and made
 payable in result of payment by the
 sub lessee at any intervals provided for in
 said three schedules here to or in dates
 specified and respectively therein mentioned
 and the days of grace being thirty days
 from the date date mentioned in the
 schedule in each balance of the sum
 of Rupees one lac only shall become
 payable forth with and the company will
 become entitled to depose the charge
 hereby created. The sub lessee shall not
 at any time during the continuance of
 the aforesaid sub lease hereby granted
 remove from the premises hereby R.O. 15-9-50
 (20th page) 20. wholly dismissed any tools
 plant machinery engines etc belonging to
 or hired by the sub lessee or upon the
 premises demised or any portion thereof
 without the permission of the company
 (such permission not to be unreasonably withheld)
 except for the purpose of replacing
 them by others of equal value federal
 provision in the company and the sub
 lessee mutually consent in writing following
 that is to say 1. that if the balance of the
 said salary the purchase price of the said
 machinery plant and movables and the
 taxes and royalties and other expenses

and the minimum ^{to} royalties hereby reserved
and made payable in any part thereof shall
be in full per two calendar months after
any of the days whereon the same are to
be paid whether formally demanded or not
then and so after as the case shall upon
the Sub Lessee shall pay to the Company interest
on the amount for the time being in

62 arrears at the rate of ~~(one)~~⁽⁶²⁾ twelve per
cent per annum in respect of the royalties
and at the rate of ~~one~~ per cent on the
arrears of all monies payable the balance
of the said salaries and the said purchase
price until the same shall be paid

63 provided always that if the said monies
royalties and other monies payable ~~(63)~~⁽⁶³⁾
hereunder or any part thereof shall

64 remain unpaid for ~~(64)~~⁽⁶⁴⁾ a period
of three calendar months after the same
shall have become due (whether formally
demanded or not) and if the Sub Lessee
(being a corporation) shall go into
liquidation either voluntary or otherwise
for the purpose of amalgamation or reconstruction
or compelling a like the Sub Lessee not being
a corporation shall become insolvent or
make any assignment for the benefit of
creditors in to any arrangement for
the liquidation of the credit of or if the

payment due the ¹⁰ dates herein before
 provided for the monies payment of
 which is provided for in the said
 Schedule hereto and interest thereon
 payable are under of it any covenant on
 the part of the sub lessee part herein
 contained shall not be performed or
 observed and if the rights of the sub
 lessee under the mining sub lease or
 under the lease R.V. 5-15-9-50 (21st
 Page) 2) lease of buildings and colling
 works hereby provided are attached or

65

of record for sale ~~and~~ pursuant to a
 decree of any court whether in creation or
 under mortgage lessee or otherwise then
 and in any of the said cases it shall be
 lawful (subject to allowance of thirty
 days grace) for the Company at any time
 thereafter upon the process hereby
 devised or any part thereof in the name
 of the whole to rentee and there upon
 this sub lease shall absolutely determine
 but in that prejudice to the rights of
 the Company in hereunder as any in
 each of the sub lessee's covenants herein
 contained including the time to research
 crossing of well and royalties by well
 and the Company will be under no
 obligation to refund to the sub lessee any

... which might have been ^{the} paid by them to the
Company prior to such determination 2. All
notices again) to be taken to the Company
remains shall be deemed to be sufficiently
served if set- by registered post to
the registered office of the company for
the time being and all notices supposed to be
given to the sub lessee here under shall
be deemed to be sufficiently served if
sent by registered post, addressed to

65. The sub lessee ~~at its~~ ⁽⁶⁵⁾ registered
office of postal upon the premises in the
stamp duty and registration fees payable in
perfect of this presents and of any ⁽⁶⁷⁾ ~~copy~~
duplicate thereof shall be borne and
paid by the sub lessee. and the company
shall bear and pay its own legal costs of and
incidental to the execution of this deed.

67. The first schedule above recited to all those
the land and premises situated and being
part of Mouzas Rajin Hesagaher. Rasi Rhab
and Benwate within thana Nindur thana number
154, 122, 123, and 127, subsequently Rayganj Ingsur
Dist Hazari Bazar which said land and premises
are more particularly delineated on the plan
here to annexed and is there on enclosed
within a white hatched line and contains a

68. ⁽⁶⁸⁾ local area of one thousand two hundred
and seventy two decimals nine two hundred
bigas or the same a little more or less and
forms part of Barara and Danyath coal fields
and situated in the Rayganj district and

(40)

Sub content of Nagari ^{1st} ~~2nd~~ 1st 12.14.5.15.9.50
 (22nd page) 22 The second schedule above referred to
 all those the buildings and colliery works
 (except and reserving unto the company the
 surface land) schedule and being in the surface
 land containing an area of 163.28 acres in
 village Rujh and Hesa gahra situated and being
 a portion of the land and premises
 described in the first schedule here to
 and delineated in the plan annexed here
 to and there enclosed within a white
 hatched line. The third schedule above referred
 to (1) In respect of the sub lease of the Rujh
 colliery Balance of Salami $\text{Rs. } 7000 - 0 - 0$

2. In respect of the sale of the plant machinery
 moveable property and the transfer of right
 or the selling consideration money $30,000 - 0 - 0$
 Total Balance $\text{Rs. } 1,00,000 - 0 - 0$ the aforesaid
 sum of $\text{Rs. } 1,00,000 - 0 - 0$ shall be paid by the
 lessee to the company by instalments as
 follows:- on or before the 31st day of February 1951
 $\text{Rs. } 2,000 - 0 - 0$

on or before the 31st day of July 1951 - $4000 - 0 - 0$
 on or before the 31st day of December 1951 - $30,000 - 0 - 0$

In default of payment of any of the aforesaid
 instalments or any part thereof (subject to 30
 days grace) the ~~entire~~ ^{whole} entire sum with Pring
 remain due standing at the date of such
 default shall become due and payable by the
 company R.S.S. 15.9.50 (23rd page) 23 Company
 with interest there on six per cent per annum
 from the due date to the date of payment
 In witness where of the respective companies
 A D V

Seal of the Company and the sub-asset name
 hereunto been affixed the day and year first
 above written the common Seal of Bokaro
 and Ranjith Limited was hereunto affixed
 by the direction and presence
 of G. J. R. HOOK and D. P. Dunder
 pal and Ramkrishna Narayan Singh
 three of the directors thereof
 and their representatives have been
 counter signed

Bokaro and Ranjith
 Limited 1907

Ramkrishna Narayan
 Singh 15-9-50

by And upon weight (Ranjith
 Limited) the Managing
 Agents of the Bokaro and
 Ranjith Limited by the
 end of G. J. R. HOOK a
 Director thereof in the
 presence of -

G. J. R. HOOK
 D. P. Dunder
 Director

S-2, Set T. Wellesly Place
 Calcutta

Sunderm Writal
 Ranjith Ltd.

Jala Charan Dull
 Clerk to M/s Sunderm Writal
 57 Metaji Sathes Road Calcutta

G. J. R. HOOK
 Managing Director

The common Seal of the said
 Halcharan Singh J. D. & Co
 Limited was hereunto affixed
 by Halcharan Singh the
 Managing Director of the

Halcharan Singh
 J. D. & Co Limited

said Company pursuant to a
 resolution passed at
 the meeting of the Board
 of Directors thereof held
 on the 12th day of August 1950
 in the presence of R. Lal

~~Halcharan Singh~~
 Halcharan Singh J. D. & Co
 Ltd
 Halcharan Singh
 Managing Director

90

70

7. Wadestly Place collector
Tara Churn Dutt.

13th day of September 1950
Bokaro and Bengalkh limited to
Har Churn Singh ~~(and company)~~
J. D. B. Co Ltd

Sub lessee of coal during rights in Ryju
colliery lease of buildings and colliery works
and mine.

Sunderkum & Mangal
Contracted by sd. ullipilla
16-12-50
Compacted by sd. ullipilla
16-12-50
Received by sd. ullipilla 16-12-50

sd. ullipilla
16-12-50
for Registrar of Calcutta.

Decree No 12 for 1950

- 1000 Rs Special adhesive stamp
- Collector's Seal Bm
- 1000 Rs Special adhesive stamp
- Collector's Seal Bm
- 1000 Rs Special adhesive stamp
- Collector's Seal Bm
- 1000 Rs Special adhesive stamp
- Collector's Seal Bm
- 1000 Rs Special adhesive stamp
- Collector's Seal Bm
- 1000 Rs Special adhesive stamp
- Collector's Seal Bm
- 1000 Rs Special adhesive stamp
- Collector's Seal Bm
- 1000 Rs Special adhesive stamp
- Collector's Seal Bm

- 200 Rs Special Adhesives
- 400 Rs Special Adhesives
- 400 Rs Special Adhesives
- 200 Rs Special Adhesives
- 50 Rs Special Adhesives
- 300 Rs Special Adhesives
- 300 Rs Special Adhesives

Stamp affixed by Mr
B Murshidji 14.9.50
Stamp Superintendent Calcutta
Collectorate -

Admissible under Rule 21 duly
stamped under the Indian
Stamp Act 1899 Schedule
1 and 25-a (vi) & (vii) Sec 2
40 (b)

fee paid as under

A	14
A	642
A	122
J	20
M	20
N	10
<hr/>	
	828/-

Sd. Y. Ali
Registrar of Calcutta
15.9.50

Presented for Registration
at 18 mi. N. of Calcutta.
Registration office on the
15th day of Sept 1950 by
Hatchuram Singh one of the
executors

Hatchuram Singh
Sd. Y. Ali
Registrar of Calcutta.
15.9.50

7-7

Execution is admitted by ^{the} Harecharan Singh as
managing director for Harecharan Singh J. D & Co
Ltd at 77 Tadm Deo Rd. Bombay and also by
Divendranath Bose son of late Jitendra Lal Bose of
587 Netaji ~~Subhas~~ Subhas Road Cal. Hindu, secure
holder as agent for D.P. Dunderdell under a general
power of attorney 418 for 1946 authenticated by
the Registrar of Cal. Hindu Impover of the execution
is dispensed with.

Harecharan Singh Managing director
Harecharan Singh J. D & Co Ltd

Divendranath Bose agent under M. D. P. Dunderdell
Identified by Vinod Chandra Bhattacharyya son
of late Surendra Chandra Bhattacharyya of 587 Netaji
Subhas Road Cal by caste Hindu by profession
service holder

Vinod Ch Bhattacharyya
Sd/- A. N. M. Yasuff Ali
Registrar of Calcutta.
15.4.50

Execution is admitted by G. J. R. Brook Bengalee Ltd
and also as managing director of Anderson Wright (Bengal)
Ltd at 7 Wellesly Place Calcutta and also by Kharmacharya
Narain Singh son of late Kameshwar Lal Krishna Varma in Singh
of Padma P.S. Bahi Hozari Bazar by caste Hindu by profession
Bermindeli

G. J. R. Brook director of Brook and Bengalee Ltd &
managing director of Anderson Wright (Bengal) Ltd
Kharmacharya Narain Singh

Identified by Vinod Chandra Bhattacharyya son of
late Surendra Chandra Bhattacharyya of 587 Netaji
Subhas Road Cal. by caste Hindu by profession service holder

Vinod Ch Bhattacharyya
Sd/- A. N. M. Yasuff Ali
Registrar of Calcutta.
16.4.50

Registered in
Book No I
Volume No 72
Pages 258 to 283
Page no 2912
for the year 1950

The Seal of the Registrar
of Calcutta.

Sr. A. N. M. Yusuf Ali
Regis. Calcutta.
26.9.50

Copy by Sr. Ulligible
16/11/50

Complied by Sr. Ulligible
16/12/50

Drawn by Sr. Ulligible
16/12/50

Filed in
Book No-1
Volume No- 52C
Pages 89 to 102
Page no 218C
for the year 1950
Sr. Ulligible.
D.O.
21.12.50

12.4.66
92.8.66

12.4.66

12.4.66

92.8.66 - 92.8.66

ANNEXURE – 7:
PRODUCTION DETAILS.

Coal Production Details of Kuju OCP

Year	Coal Production
1973-74	
1974-75	
1975-76	61216
1976-77	82364
1977-78	14625
1978-79	14388
1979-80	43838
1980-81	28759
1981-82	91347
1982-83	202478
1983-84	115213
1984-85	67297
1985-86	58597
1986-87	89415
1987-88	84744
1988-89	76811
1989-90	13971
1990-91	40863
1991-92	50082
1992-93	96769
1993-94	60000
1994-95	32456
1995-96	38941
1996-97	55086
1997-98	64421
1998-99	52348
1999-00	7190
2000-01	0
2001-02	0
2002-03	0
2003-04	0
2004-05	0
2005-06	0
2006-07	0
2007-08	0
2008-09	0
2009-10	0
2010-11	0
2011-12	0
2012-13	0
2013-14	24211
2014-15	250038
2015-16	289422
2016-17	5845
2017-18	0

Kuju
S. A. W. W.
 PROJECT OFFICER
 Kuju Colliery, C.C.L.

[Signature]
 4.5.2019
 MANAGER
 Kuju Colliery, C.C.L.

ANNEXURE – 8:
CCL BOARD APPROVAL LETTER.

CENTRAL COALFIELDS LIMITED
DARBHANGA HOUSE: RANCHI

Sub: Forwarding Minutes of the 68th (No. 07 of 2017) Meeting of the Empowered
Sub-Committee held on 27-12-2017.

Extracts from the minutes of the above meeting, in respect of following item, is appended below:

Item No. IV Proposal seeking approval of Mining Plan and Mine Closure plan of Kaju Opencast Project (Normative Capacity 1.30 MTPA and Peak Capacity 1.50 MTPA) with Project Area of 173.89 Ha. and mine closure cost of Rs. 1371.89 Lakhs.

After detailed deliberations, the Committee recommended the proposal for "In-principle" approval of the Board for the purpose of Environmental Clearance & Forest Clearance.

The Committee further directed to re-submit the proposal alongwith the operational & financial viability, cost-benefit analysis, component-wise mine closure cost with proper justification vis-à-vis operational size of the mine, and year-wise withdrawal from the Escrow Account.

It is requested kindly to take necessary action on the decision, wherever necessary, under intimation to this office.


Company Secretary

GM(P&P)
HOD(Env.)

Copy for kind information to: TS to D (T/P&P)

Ref. No. CS/ESC/68/2018/ 189

Date: 02-02-2018

ANNEXURE – 9:
PHOTOGRAPHS OF EMBACKMENT
STRENGTHENING.



FIGURE 3: EXTENSION OF BANDRA-CHUA NALLAH, KUJU OCP



FIGURE 4: CULVERT ON BANDRA-CHUA NALLAH WHERE 6 NOS. HUMEPIPE ARE LAID



FIGURE 5: EXTENSION OF GARLAND DRAIN IN SOUTH SIDE OF KOCP



FIGURE 6 : STRENGTHENING OF GARLAND DRAIN SOUTH-EASTERN SIDE OF KUJU OCP

