

**INDIAN BUREAU OF MINES
MINES CONTROL AND CONSERVATION OF MINERAL DIVISION**

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/IRON-MN/SNG/MCDR-8/BBS

Mine code : 40ORI13009

- (i) Name of the Inspecting : **DEY**) **NARENDRA MOHAN DEY**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 21/09/2014
- (v) Prev.inspection date : 21/02/2013

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KHAJURDIH**
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address
State : ORISSA
District : SUNDARGARH
Village : KHAJURDIH
Taluka : BONAI
Post office : KOIRA
Pin Code :
FAX No. :
E-mail :
Phone : 06625-235227
- (e) Police Station :
- (f) First opening date : 10/04/1986
2. Address for : KHAJURDIH IRON MN MINE
correspondance VILL-KHAJURDIH
PO-PATMUNDA
3. (a) Lease Number : ORI0171
(b) Lease area : 119.32
(c) Period of lease : 20
(d) Date of Expiry : 14/04/2006
4. Mineral worked : IRON ORE Associated
MANGANESE ORE Main

5. Name and Address of the

Lessee : Sri Matadin Sarda
P.o.Barajamda SINGHBHUM
(WEST) JHARKHAND
Phone:
FAX :

Owner : BAJARANG SHARDA
SINGHBHUM (WEST)
JHARKHAND
Phone: 06596-62250,622
FAX :

Mining Engineer

Name : P.K.SAHOO,Full Time
Qualification : AMIE MINING
Appointment/ : 01/06/2000
Termination date

Mining Engineer

Name : S.K.JHA,Full Time
Qualification : DIPLOMA MINING ENGG
Appointment/ : 07/03/1997
Termination date

Geologist

Name : ANIL SHARMA,Full Time
Qualification : MSC GEOLOGY
Appointment/ : 10/05/2003
Termination date

Geologist

Name : S.NANDY,Full Time
Qualification : M TECH GEOLOGY
Appointment/ : 04/07/2000
Termination date

6. Date of approval of Mining : 26/04/2012
Plan/Scheme of Mining

PART - II : TECHNICAL DETAILS/COMMENTS**1. Details about Average employment :**

Maximum number of persons employed on any day during the year

Employment category	No.of employment	Av. yearly working days
DIRECT		
Others	4	365

2. Community Development Plan (in and around the mines) : Proposed action and expenditure towards socio-economic development.

Action during the year	Expenditure in Rs. Lakhs for				Remarks
	previous year		current year		
	Proposed	Incurred	Proposed	Incurred	
General					
Infrastructure					
Sub total					
Sub total					
Total					

3. Status of compliance of MCDR, 1988, including therewith the rectification of the outstanding violation of rules.

NO OUTSTANDING VIOLATION

4. A note on the justification in case of suspension of mining operation under rule 13(2) or prohibition of deployment of any person under rule 56 of MCDR, 19888, if recommended.

5. Scientific Mining

Items	Proposal	Actual work done	Remarks
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B. Working (Rule 13)

a.Number and size of : each pit (LxWxH)	TWO PITS 70 M X 25 M X 12 M AND 58 M X 40 M X 12 M	MINING OPERATION HAS BEEN STOPPED SINCE 10.04.2006 BY DDM, KOIRA FOR WANT OF FOREST CLEARANCE ETC.
b.Bench : size(LxWxH)length can be defined as regular/irregular	HEIGHT 6 M AND WIDTH 15 M	
d.Total area covered : under excavation/pits	2.4676 HA	MINING OPERATION HAS BEEN STOPPED SINCE 10.04.2006 BY DDM, KOIRA FOR WANT OF FC

C. Waste disposal (Rule 13)

a.Location of dumps :	SOUTH EASTERN SIDE OF ML
b.Method of dumping : whether advancing/retreat	ADVANCING
e.Yearly generation : of waste quantity.	MINING OPERATION HAS BEEN STOPPED SINCE 10.04.2006 BY DDM, KOIRA FOR WANT OF FOREST CLEARANCE.
c.Total area covered : under waste dump.	0.757 HA.

D. Production

b.Year wise : production of last five year.	MINING OPERATION HAS BEEN STOPPED SINCE 10.04.2006 BY DDM, KOIRA FOR WANT OF FOREST CLEARANCE.
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D. Reserve

a.Reserve position as : per latest MP/MS and at the time of inspection.	RESERVE POSITION AS PER LATEST SCHEME OF MINING APPROVED ON 26.04.2012 VALID UPTO 2016-17 AND AT THE TIME OF INSPECTION IS AS FOLLOWS : MANGANESE : 85824 TONNE	MINING OPERATION HAS BEEN STOPPED SINCE 10.04.2006 BY DDM, KOIRA FOR WANT OF FC.
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IRON ORE : 4261546 TONNE

RESERVE POSITION AS ON 01/04/2014

MANGANESE ORE		
Category	Quantity in Tonnes	Grade
Proved	53346	ASPER UNFC 111
Probable	16239	AS PER UNFC 121
Possible	16239	AS PER UNFC 333
Total	85824	

IRON ORE		
Category	Quantity in Tonnes	Grade
Proved	2648880	AS PER UNFC 111
Probable	806333	AS PER UNFC 121
Possible	806333	AS PER UNFC 211
Total	4261546	

<u>PRODUCTION FOR THE PREVIOUS YEAR 2013 - 2014</u>		
Mineral	Production	Unit
MANGANESE ORE	0	TON
IRON ORE	0	TON

6. Conservation of Mineral - both quantitative and qualitative**Beneficiation (Rule 20 and 26)**

Efforts for improving low grade and sub grade mineral. : LOW GRADE ORE WAS SUITABLE BLENDED WITH HIGH GRADE ORE i.e + 65% IRON ORE AND LOW GRADE MANGANESE ORE WAS SUITABLE BLENDED WITH 46% MN.

Mineral Rule 15

Number of benches in ore and waste. : NUMBER OF BENCHES IN ORE 3 AND IN WASTE 1

Percentage of recovery of ore pitwise w.r.t. ROM and total material : AS REPORTED FROM THE REPRESENTATIVE OF THE LESSEE THE PERCENTAGE OF RECOVERY OF ORE WAS 80% OF ROM.

Sub/grd mineral/fines (Rule16)

Qty of yearly generation and total qty available during inspection with grade : LEARNT FROM THE REPRESENTATIVE OF THE LESSEE THAT THERE WAS NO GENERATION OF SUB-GRADE ORE FROM THE MINE MINING OPERATION HAS BEEN STOPPED SINCE 10.04.2006 BY DDM, KOIRA FOR WANT OF FOREST CLEARANCE.

Separate stacking from waste : NO SEPARATE STACK WAS FOUND

Exploration data as on 31/03/ 2014

No. of Boreholes	No. of Pits	No. of Trenches
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OVERBURDEN HANDLED DURING PREVIOUS YEAR 2013 - 2014

Overburden/waste removed (in m3) :	0
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Utilisation of Sub Grade Mineral and Mineral Rejects

<u>Generated</u>	<u>Utilised</u>	<u>Stacked</u>	(In Ton.)
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7. Environment Management - both quantitative and qualitativ**A. Land environment**

- a. Landscape. : THE LEASE AREA IS LOCATED ALONG HILL SLOPE.
- b. Aesthetic environment : THE LEASE AREA IS HAVING FOREST GROWTH.
- d. Agriculture : NO AGRICULTURAL LAND INSIDE LEASE.
- e. Forest(flora and fauna) : LEASE AREA IS FULLY FOREST
- f. Vegetation : BUSHES AND SHRUBS ARE PRESENT.
- h. Public building, places and monuments (protected, historical), place of worship and places of tourist : NO SUCH PLACE

B Water environment.

- a. Surface water : NO SURFACE WATER CONTAMINATION OBSERVED.
- c. Quality of water : USEABLE

C. Air environment

- b. Air : MINING OPERATION HAS BEEN STOPPED SINCE 10.04.2006,, SO PRESENTLY THERE IS NO POLLUTION FROM AIR, WATER & NOISE.

D. Socio economic environment

- a. Social and demographic profile. : NEARBY VILLAGERS WERE WORKING IN THE MINE
- c. Human settlement : THERE IS NO HUMAN SETTLEMENT INSIDE THE LEASE / VERY CLOSE TO THE LEASE

7.1 Comments on the steps taken by the lessee towards maintaining environment and monitoring of environmental parameters to ensure the qualitative improvement in the environment and ecology.

<u>Water Management</u>				Value	
Season	Station type	Station name	Parameter	Actual	Excess

<u>Air data for excess parameters</u>				Value	
Season	Station name	Type of area	Parameter	Actual	Excess

<u>PLANTATION DURING THE PREVIOUS YEAR</u>	<u>2013 - 2014</u>	Area in Hect.
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<u>TOP SOIL MANAGEMENT</u>
Quantity as on 31/03/2014

8. Scrutiny of annual returns on cost of production, reserve, production, pit mouth value, stock, land use pattern and fixed assets.

ANNUAL RETURN FOR THE YEAR 2013-14 HAS BEEN RECEIVED
MINING OPERATION HAS BEEN STOPPED SINCE 10.04.2006 BY DDM, KOIRA FOR WANT OF FOREST CLEARANCE..
NO PRODUCTION

PART - III : PERFORMANCE OF MINE OWNER

(In case of lease expiring within 2 years - as per guidelines)

a. Compliance of terms and conditions of lease deed.

ORIGINAL LEASE PERIOD WAS FROM 31.08.1967 TO 30.08.1987 FOR 20 YEARS.

2ND RML FILED ON 25.08.1986 FOR 20 YEARS.

3RD RML FILED ON 24.08.2006 FOR 20 YEARS WITH EFFECT FROM 31.08.2007.

BOTH RML APPLICATION ARE PENDING .

SCHEME OF MINING APPROVED ON 26.04.2012 VALID UPTO 2016-17.

DGPS MAP HAS BEEN PREPARED BY OSAC DATED 21.03.2012. READINGS MENTIONED ON THE BOUNDARY PILLARS ARE ALMOST MATCHING WITH THE READINGS MENTIONED ON THE DGPS MAP.

HOWEVER CORNER PILLARS ARE NOT PYRAMID SHAPED AND BOUNDARY PILLARS ARE NOT CONSTRUCTED AND MAINTAINED AS PER CCOM CIRCULAR NO 2/2010 AND ITS ADDENDUM.

PRESENTLY MINING OPERATION HAS BEEN STOPPED SINCE 10.04.2006 BY DDM, KOIRA FOR WANT OF FOREST CLEARANCE.

b. Compliance of the provisions of MCDR, 88 and advise given.

DURING CURRENT INSPECTION NO VIOLATION WAS OBSERVED / POINTED OUT.

PART - IV : PROPOSALS FOR FURTHER ACTION FOR :

Indian Bureau of Mines (any issue related to CGPB, SGPB, Assistance, Consultancy, Annual Programme and studies, etc.)

State Government (Illegal mining, mining dispute, infrastructure, Mineral based industry, Mineral policy, etc.)

STATE GOVT IS REQUESTED TO ENSURE FIXING OF BOUNDARY PILLARS.

STATUS OF RENEWAL APPLICATION FILED, IS NOT KNOWN TO THIS OFFICE.

The Central Government (Infrastructure, Development, Mineral policy and Legislation, Mineral based industry, etc.)

Date :

(NARENDRA MOHAN DEY)

Indian Bureau of Mines