

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/IRON/KJR/MCDR-17/BBS

Mine code : 300RI08019

- (i) Name of the Inspecting : **D403**) **DILIP JAIN**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 30/04/2014
- (v) Prev.inspection date : 09/12/2011

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **GURUBEDA**
- (b) Category : A Other than Fully Mech.
- (c) Type of Working : Opencast
- (d) Postal address
State : ORISSA
District : KEONJHAR
Village : GURUBEDA
Taluka : BARBIL
Post office : BANSPANI
Pin Code : 758034
FAX No. :
E-mail :
Phone : 06767-272275(R), 272394(0)
- (e) Police Station :
- (f) First opening date : 08/10/1972
2. Address for : AT/PO.JODA, BARBIL, ORISSA
correspondance 758034
3. (a) Lease Number : ORI0098
(b) Lease area : 49.77
(c) Period of lease : 10
(d) Date of Expiry : 06/01/2007
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : SRI. S.C. PADHEE
 AT/PO: JODA DIST: KEONJHAR
 KEONJHAR ORISSA
 Phone:06767-72275
 FAX :

Owner : S.C.PADHEE
 .S.C.PADHEE, MINE OWNER
 AT/PO.JODA, BARBIL ORISSA.
 KEONJHAR ORISSA
 Phone: 06767-72275(R),
 FAX :

Agent : S.K.PADHEE
 C/O.S.C PADHEE, MINE OWNER,
 AT/PO.JODA BARBIL KEONJHAR
 ORISSA
 Phone: 06767-72275(R), 72394(0)
 FAX :

Mining Engineer

Name : D.D.MOHANTA, Full Time
 Qualification : DIPLOMA MINING
 Appointment/ : 03/06/2002
 Termination date

Mining Engineer

Name : S K GUIN, Full Time
 Qualification : B TECH MINING IST CLASS
 Appointment/ : 01/04/2004
 Termination date

Geologist

Name : B.MAHAPATRA, Part Time
 Qualification : MSC GEOLOGY
 Appointment/ : 01/12/1998
 Termination date

Manager

Name : C. MAHANTA
 Qualification : DIPLOMA IN MINING
 Appointment/ : 24/05/2000
 Termination date

Manager

Name : C.MAHANTA
 Qualification : DIPLOMA IN MINING ENGINEER.
 Appointment/ : 24/05/2000
 Termination date

6. Date of approval of Mining : 20/05/2009
 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
CONTRACT		
Managerial	1	300
Ministrial	1	
Workers	31	

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					
Safety	0.00	0.00	0.00		
Sanitation	0.00	0.00	0.00		
Health	0.00	0.00	0.00		
Medical facility	0.00	0.00	0.00		
Housing	0.00	0.00	0.00		
Water supply	0.00	0.00	0.00		
Sub total	0.00	0.00	0.00		
Infrastructure					
Communication	0.00	0.00	0.00		
Public transport	0.00	0.00	0.00		
Roads	0.00	0.00	0.00		
Electricity	0.00	0.00	0.00		
Sub total	0.00	0.00	0.00		
Recreation	0.00	0.00	0.00		
Employment	0.00	0.00	0.00		
Training	0.00	0.00	0.00		
Environment management	0.00	0.00	0.00		
Others	0.00	0.00	0.00		
Sports activities	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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

The violation of rule 13(1), 24, 45(2), 45(5)(a)(i) and 45(5)(b)(i) MCDR 1988 has been observed by a team of Task force on inspection dated 06.12.2011. The mine was suspended due to violation of above rules of MCDR, 1988. Lessee complied above violation by his reply dated 18.04.2012 and 13.05.2013. On compliance of said violation, order of revocation was issued dated 06.11.2013.

In current inspection violation of rule 13(1) and 23E(2) has been observed and communicated to lessee vide this office letter dated 19.05.2014.

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, 1988, if recommended.

The violation of rule 13(1), 24, 45(2), 45(5)(a)(i) and 45(5)(b)(i) MCDR 1988 has been observed by a team of Task force on inspection dated 06.12.2011. The mine was suspended due to violation of above rules of MCDR, 1988.

Lessee complied above violation by his reply dated 18.04.2012 and 13.05.2013. On compliance of said violation order of revocation was issued dated 06.11.2013.

5. Scientific Mining

Items	Proposal	Actual work done	Remarks
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A. Exploration (Rule 13)

a.Type of prospecting : 2008-09: 05 BH	2008-09: NIL
and exploration i.e. 2009-10: 05 BH	2009-10: NIL
pitting, drilling 2010-11: 05 BH	2010-11: NIL
2011-12: 06 BH	2011-12: NIL
2012-13: 07 BH	2012-13: NIL

b.Total area covered : No information.	No information.
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B. Working (Rule 13)

a.Number and size of : 2 each pit (LxWxH)	many small working has been observed.	No work as the mine under suspension since Sept 2009 due to want of Forest and Environment clearance.
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c.Ore to waste ratio : 2013-14: 1:0.11 pit wise if possible otherwise for mine	No work has been done in the year 2013-14 as the mine under suspension since Sept 2009 due to want of Forest and Environment clearance.
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d.Total area covered : 32.861 Ha under excavation/pits	32.861 Ha	as per approved SOM dated 22.10.2013
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C. Waste disposal (Rule 13)

a.Location of dumps : As proposed.	As proposed.	No work since sept 2009.
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e.Yearly generation : 2008-09: 122214 m3 of waste quantity. 2009-10: 185785 m3	2008-09: 34660 m3 2009-10: 2800 m3	No work since sept 2009.
2010-11: 133570 m3	2010-11: NIL	
2011-12: 121976 m3	2011-12: NIL	
2012-13: 122074 m3	2012-13: NIL	

b.Method of dumping : No information. whether advancing/retreat	2013-14: NIL 2014-15: NIL	No work since sept 2009.
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c.Total area covered : 1.264 Ha under waste dump.	2013-14: NIL 2014-15: NIL	No work since sept 2009.
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d.No.and size of each : 3 Dumps waste dump with No of steps/lift/bench	No informaion.	No work since sept 2009.
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D. Production

b.Year wise : 2008-09: 401016 MT production of last 2009-10: 400428 MT five year. 2010-11: 400869 MT	2008-09: 79906 MT 2009-10: 24700 MT 2010-11: 0.00 MT	No work as the mine under suspension since Sept 2009 due to want of Forest and Environment clearance.
2011-12: 400234 MT	2011-12: 0.00 MT	
2012-13: 400554 MT	2012-13: 0.00 MT	

D. Reserve

a. Reserve position as : Proved: 0.00 MT No work as the mine
per latest MP/MS and Probable: 4938178 under suspension since
at the time of MT Sept 2009 due to want of
inspection. Possible: 1735755 Forest and Environment
MT clearance.

RESERVE POSITION AS ON 01/04/2014

IRON ORE		
Category	Quantity in Tonnes	Grade
Proved	0	
Probable	4938178	+45% Fe
Possible	1735755	+45% Fe
Total	6673933	+45% Fe

PRODUCTION FOR THE PREVIOUS YEAR 2013 - 2014

Mineral	Production	Unit
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. : No efforts as mine under suspension since sept 2009.

Efforts for improving percentage of recovery of ore. : No efforts as mine under suspension since sept 2009.

Mineral Rule 15

Percentage of recovery of ore pitwise w.r.t. ROM and total material : No work as the mine under suspension since Sept 2009 due to want of Forest and Environment clearance.

Number of benches in ore and waste. : No information.

Sub/grd mineral/fines (Rule16)

Qty of yearly generation and total qty available during inspection with grade : 2013-14: NIL
2014-15: NIL

Number and size of each stack : Area covered: 20350 m2

Location of stacking. : NW part of the Lease area.

Separate stacking from waste : Yes.

Total area covered for stacking : 20350 m2

Exploration data as on 31/03/ 2014

No. of Boreholes	No. of Pits	No. of Trenches
26		

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

Generated	Utilised	Stacked	(In Ton.)

7. Environment Management - both quantitative and qualitativ**A. Land environment**

- a. Landscape. : Hilly undulated.
- b. Aesthetic environment : Good.
- c. Soil and land use pattern : There is not much of top soil in mining area.
- d. Agriculture : No gricultural land observed.
- e. Forest(flora and fauna) : local Forest(flora and fauna) species are there.
- f. Vegetation : Scattered vegetation .
- h. Public building, places and monuments (protected, historical), placec of worship and places of tourist : Not observed.

B Water environment.

- a. Surface water : Not observed.
- b. Ground water : Potable.
- c. Quality of water : Good.

C. Air environment

- a. Noise : No noise pollution has been observed as mine was under suspension.
- b. Air : No air pollution as mine was under suspension.
- c. Climatic condition : Sub-tropical.

D. Socio economic environment

- a. Social and demographic profile. : Not specified.
- b. Recommending health and safety. : No Recreational facility observed.
- c. Human settlement : Not Observed.
- d. Recreational facility. : Not observed.

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>				
Season	Station type	Station name	Parameter	Value Actual Excess

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

<u>PLANTATION DURING THE PREVIOUS YEAR</u>	<u>2013 - 2014</u>
	Area in Hect.

<u>TOP SOIL MANAGEMENT</u>
Quantity as on 31/03/2014
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8. Scrutiny of annual returns on cost of production, reserve, production, pit mouth value, stock, land use pattern and fixed assets.

Annual Return: 2013-14

Cost of Production: NIL

Reserve: 4938178.00 MT

Resource: 1735755.00 MT

Production: NIL

PMV: NIL

Area In forest: 49.040 Ha

Area in Non-forest: 0.736 Ha

PART - III : PERFORMANCE OF MINE OWNER
(In case of lease expiring within 2 years - as per guidelines)

PART - IV : PROPOSALS FOR FURTHER ACTION FOR :

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

NIL

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

NIL

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

NIL

Date :

(DILIP JAIN)

Indian Bureau of Mines