

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/IRON/SNG/MCDR-12/BBS/13/01

Mine code : 30ORI13018

- (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 : 17/09/2014
- (v) Prev.inspection date : 16/04/2013

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **RAIKELA**
- (b) Category : A Manual
- (c) Type of Working : Opencast
- (d) Postal address
State : ORISSA
District : SUNDARGARH
Village : RAIKELA
Taluka : BONAI
Post office : DENGULA
Pin Code :
FAX No. :
E-mail :
Phone :
- (e) Police Station :
- (f) First opening date : 03/04/1982
2. Address for : RAIKELA IRON MINES OF S.N.MOHANTY
correspondance AT-RAIKELA
PO-PENGULA, DIST-SUNDERGARH
3. (a) Lease Number : ORI0149
(b) Lease area : 18.15
(c) Period of lease : 30
(d) Date of Expiry : 02/04/2012
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : S.N.MOHANTY
 STATION ROAD AT/PO:BARBIL
 PO NO.21 KEONJHAR ORISSA
 Phone:30362 (OFFICE),30254(R)
 FAX :

Owner : PROBODH MOHANTY
 PROBODH MOHANTY,MINES OWN
 AT-STATION ROAD,BARBIL
 DIST-KEONJHAR.758035
 KEONJHAR ORISSA
 Phone:
 FAX :

Mining Engineer

Name : LALIT KUMAR BEURIA,Full Time
 Qualification : BACHLOR ENGG
 Appointment/ : 19/05/1997
 Termination date

Manager

Name : P.N.NAIK
 Qualification : PERMIT MANAGER
 Appointment/ : 03/12/1996
 Termination date

6. Date of approval of Mining : 15/12/2008
 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		
Managerial	2	306
Ministrial	1	
Supervisory	8	

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					
Health			1.10		BESIDES OUTSIDE
Water supply			1.10		BESIDES OUTSIDE
Housing			10.14		BESIDES OUTSIDE
Sub total			12.34		
Infrastructure					
Public transport			2.75		BESIDES OUTSIDE
Sub total			2.75		
Others			12.96		
Recreation			0.18		BESIDES OUTSIDE
Training			0.40		BESIDES OUTSIDE
Total			28.63		

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)	300 M X 132 M X27 M		
b.Bench : size(LxWxH)length can be defined as regular/irregular	90 M X 10 M X 5 M		
d.Total area covered : under excavation/pits	300 M X 132 M = 39600 SQM		MINING OPERATION HAS BEEN STOPPED SINCE 04.04.2012 & 27.03.2012 BY DDM, KOIRA & DFO, BONAI RESPECTIVELY FOR WANT OF STATUTORY CLEARANCE AND EXPIRY OF MINING LEASE.

C. Waste disposal (Rule 13)

a.Location of dumps :	ON NON-MINERALISED GROUND
d.No.and size of each : waste dump with No of steps/lift/bench	DUMP NO.1: 158 X 76 WITH 5 STEPS DUMP NO.2 : 108 X 51 WITH 4 STEPS.
b.Method of dumping : whether advancing/retreat	RETREAT

D. Production

b.Year wise : production of last five year.	MINING OPERATION HAS BEEN STOPPED SINCE 04.04.2012 & 27.03.2012 BY DDM, KOIRA & DFO, BONAI RESPECTIVELY DUE TO WANT OF STATUTORY CLEARANCE AND EXPIRY OF MINING LEASE ON 02.04.2012. HOWEVER PRODUCTION DURING 2014-15 : NIL, 2013-14 : NIL, 2012-13 : NIL 2011-12 : 50,406.543 TONNE AND DURING 2010- 11 : 69,442.494 TONNE
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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 MINING PLAN
APPROVED ON 27.02.2012
VALID UPTO 2016-17 AND
AT THE TIME OF
INSPECTION IS AS FOLLOWS
:
PROVED : 3395250 TONNE
+ 58 % FE
PROBABLE : 348750 TONNE
+ 55 % FE

RESERVE POSITION AS ON 01/04/2014

IRON ORE		
Category	Quantity in Tonnes	Grade
Proved	3395250	+ 58 % FE
Probable	348750	+55% FE
Possible		
Total	3744000	

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 percentage of recovery of ore. : BY SCREENING

Mineral Rule 15

Number of benches in ore and waste. : NUMBER OF BENCHES IN ORE:1 AND IN WASTE :2

Sub/grd mineral/fines (Rule16)

Qty of yearly generation and total qty available during inspection with grade : 4000 TONNE
 Separate stacking from waste : SEPARATELY STACKED

Location of stacking. : SOUTHERN SIDE OF THE MINING LEASE

Exploration data as on 31/03/ 2014

No. of Boreholes	No. of Pits	No. of Trenches
12		

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.)

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

- a. Landscape. : FOREST AREA : 17.474 HA AND NON-FOREST AREA 0.841 HA
- b. Aesthetic environment : BY PLANTATION OVER THE BACK FILLED AREA AND DUMP SLOPE.
- d. Agriculture : NO AGRICULTURAL LAND INSIDE MINING LEASE.
- h. Public building, places and monuments (protected, historical), place of worship and places of tourist : NOT EXISTED.

D. Socio economic environment

- c. Human settlement : ALL THE WORKERS ENGAGED ARE FROM LOCAL VILLAGES.

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.
Within lease area			Outside lease area			
Area	Trees planted	Survival rate	Area	Trees planted	Survival rate	
	5000	80				

<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 04.04.2012 & 27.03.2012 BY DDM, KOIRA & DFO, BONAI RESPECTIVELY FOR WANT OF STATUTORY CLEARANCE.

NO PRODUCTION

PIT MOUTH VALUE NIL

FIXED ASSETS : Rs.13105000 / -

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.

DATE OF GRANT OF MINING LEASE : 03.04.1982, DATE OF EXPIRY : 02.04.2012
RENEWAL APPLICATION FILED ON 27.08.2010.
MINING PAL APPROVED ON 27.02.2012 VALID UPTO 2016-17.
BOUNDARY PILLARS HAVE BEEN CONSTRUCTED AND MAINTAINED
DGPS MAP HAS BEEN PREPARED BY OSAC DATED 22.10.2011.
ON VARIFICATION, IT WAS OBSERVED THAT READINGS ARE ALMOST MATCHING WITH THE READINGS MENTIONED ON THE DGPS MAP.

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

DURING CURRENT INSPECTION NO VIOLATION WAS POINTED OUT.
MINING OPERARION HAS BEEN STOPPED SINCE 04.04.2012 & 27.03.2012 BY DDM, KOIRA & DFO, BONAI RESPECTIVELY FOR WANT OF STATUTORY CLEARANCE.

h. In case leases where the mineralisation tends to exhaust within the present period, the status of closing operation in phases and the special issues including human issues to be addressed at the time of closing of mine.

WITHIN THE PRESENT PERIOD THERE IS NO POSSIBILITY OF EXHAUSTION OF MINERAL, SO CLOSING OPERATION IN PHASES DOES NOT ARISE.

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.)

RENEWAL APPLICATION FILED WITH THE STATE GOVT ON 27.08.2010, STATUS 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