

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

**MCDR INSPECTION REPORT**

**Bhubaneshwar regional office**

**Mine file No :** ORI/IRON/KJR/MCDR-11/BBS

**Mine code :** 30ORI08001

- (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 : 18/09/2013
- (v) Prev.inspection date : 13/12/2009

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **BAGAIBURU M/BLOCK**
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address  
State : ORISSA  
District : KEONJHAR  
Village : BAGAIBURU  
Taluka : BARBIL  
Post office : BARBIL  
Pin Code : 758035  
FAX No. : 06767-75530  
E-mail : omdctk@sancharnet.in  
Phone : 06767-75218,76131,75379
- (e) Police Station :
- (f) First opening date : 01/01/1960
2. Address for : BAGAIBURU IRON MINES, M/S OMDL LTD  
correspondance P.O.BARBIL, DIST:KEONJHAR  
ORISSA-758035
3. (a) Lease Number : ORI0048  
(b) Lease area : 21.6  
(c) Period of lease : 20  
(d) Date of Expiry :
4. Mineral worked : IRON ORE Main

## 5. Name and Address of the

Lessee : THE ORISSA MINERALS DEVELOPMENT CO. LTD.  
 FD-350,SECTOR-III SALT CITY  
 LAKE KOLKATA WEST BENGAL  
 Phone:033-3213983  
 FAX :033 - 3213874

Owner : M/S ORISSA MINERAL DEVELOPMENT CORPORATION LTD  
 FD-350,SECTOR-III SALT CITY  
 LAKE CALCUTTA-700091  
 KOLKATA WEST BENGAL  
 Phone: 033-3213983  
 FAX : 033-3213874

Agent : Sri.S.K.Panda  
 C/O.BPME  
 P.O.Thakurani,Barbil  
 Keonjhar KEONJHAR ORISSA  
 Phone: 06767 - 75218,76131,75379  
 FAX : 06767-75530

## Mining Engineer

Name : D.PATEL,Full Time  
 Qualification : DEGREE IN MINING  
 Appointment/ : 27/08/1993  
 Termination date

## Geologist

Name : S.K.MISHRA,Full Time  
 Qualification : M.Sc (GEOLOGY)  
 Appointment/ : 01/12/1988  
 Termination date

## Manager

Name : D.PATEL  
 Qualification : DEGREE IN MINING  
 Appointment/ : 27/08/1993  
 Termination date

6. Date of approval of Mining : 20/07/2010  
 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
<b>DIRECT</b>		
<b>Managerial</b>	1	
<b>Workers</b>	3	
<b>Supervisory</b>	3	

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, 1988, if recommended.

PRESENTLY MINE IS NON WORKING SINCE 30.09.2010 FOR WANT OF F C AND E C AS WELL AS EXPIRY OF LEASE ON 30.9.2010.

## 5. Scientific Mining

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

b.Total area covered : TOTAL AREA COVERED UNDER  
OPENCAST WORKING 2.560  
HA.

**B. Working (Rule 13)**

a.Number and size of : PIT NO.1 : 230 M X 60 M MINE IS NON  
each pit (LxWxH) X 23 M WORKING SINCE  
PIT NO.2 : 215 M X 46 M EXPIRY OF LEASE  
X 11 M ON 30.09.2010  
AND ALSO FOR  
WANT OF FOREST  
CLEARANCE AND  
ENVIRONMENT  
CLEARANCE.

d.Total area covered : 2.560 HA  
under excavation/pits

**C. Waste disposal (Rule 13)**

a.Location of dumps : SOUTH DUMP ON NON-  
MINERALISED LAND  
NORTH DUMP ON NON-  
MINERALISED LAND

b.Method of dumping : RETREATING METHOD  
whether  
advancing/retreat

e.Yearly generation : MINE IS NON-WORKING  
of waste quantity. SINCE 30.09.2010 FOR  
WANT OF F C & E C AND  
ALSO LEASE EXPIRED ON  
30.09.2010.

c.Total area covered : 1.437 HA  
under waste dump.

**D. Production**

b.Year wise : NO PRODUCTION .  
production of last MINE IS NON WORKING  
five year. SINCE 30.09.2010 FOR  
WANT OF FOREST CLEARANCE  
AND ENVIRONMENT  
CLEARANCE AS WELL AS  
EXPIRY OF MINING LEASE  
ON 30.09.2010.

**D. Reserve**

a.Reserve position as : RESERVE POSITION AT THE MINE IS NON  
per latest MP/MS and TIME OF INSPECTION AS WORKING SINCE  
at the time of PER LATEST MINING PLAN 30.09.2010 FOR  
inspection. APPROVED ON 20.07.2010 WANT OF FOREST  
VALID FOR THE PERIOD CLEARANCE &

2010-11 TO 2014-15. ENVIRONMENT  
 PROVED (111) : 3568415 CLEARANCE.  
 TONNES + 58% F e  
 PROBABLE ( 121) :  
 1338750 TONNES + 58 % Fe  
 POSSIBLE ( 331 + 332+  
 333 +334) : 939750  
 TONNES + 45% TO - 58% Fe  
 TOTAL 5846915 TONNES

**RESERVE POSITION AS ON 01/04/2013**

<b>IRON ORE</b>			
Category	Quantity in Tonnes	Grade	
Proved	3568415	AS PER UNFC 111	
Probable	1338750	AS PER UNFC 121	
Possible	939750	AS PER UNFC 331 , 332, 333	& 334
Total	5846915		

**PRODUCTION FOR THE PREVIOUS YEAR 2012 - 2013**

Mineral	Production	Unit
IRON ORE	0	TON

**6. Conservation of Mineral - both quantitative and qualitative****Mineral Rule 15**

Number of benches in ore and waste. : PIT 1  
 NUMBER OF BENCHES IN ORE 2 AND IN WASTE 4  
 PIT 2  
 NUMBER OF BENCHES IN ORE 2 AND IN WASTE 4

**Sub/grd mineral/fines (Rule16)**

Qty of yearly generation and total qty available during inspection with grade : YEARLY GENERATION NIL AS THE MINE IS NON-WORKING SINCE 30.09.2010 FOR WANT OF EC & F C ETC.  
 TOTAL QUANTITY AVAILABLE DURING INSPECTION 1500 CUM

Number and size of each stack : ONE STACK, 30 M X 20 M

Separate stacking from waste : SEPARATELY

Location of stacking. : NORTHERN CORNER OF THE LEASE AREA

**Exploration data as on 31/03/ 2013**

No. of Boreholes	No. of Pits	No. of Trenches
11	2	1

**OVERBURDEN HANDLED DURING PREVIOUS YEAR 2012 - 2013**

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 AREA WITH FOREST
- b. Aesthetic environment : PLANTATION OVER 2 HA TO IMPROVE THE AESTHETIC ENVIRONMENT.
- d. Agriculture : NIL
- f. Vegetation : SAL TEAK, MANGO AND MOHUA ETC
- h. Public building, places and monuments (protected, historical), place of worship and places of tourist : NO PUBLIC BUILDING AND MONUMENT.

**C. Air environment**

- c. Climatic condition : SUB-TROPICAL  
TEMPERATURE VARIES FROM 4 DEGREE IN WINTER TO 44 DEGREE IN SUMMER.

**D. Socio economic environment**

- a. Social and demographic profile. : IN CORE ZONE NO HUMAN SETTLEMENT
- b. Recommending health and safety. : THERE IS A CENTRALISED HOSPITAL AT THAKURANI FOR THEIR 6 LEASES LOOKING AFTER HEALTH AND SAFETY OF SURROUNDING VILLAGERS.

**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>2012 - 2013</u>
	Area in Hect.

<u>TOP SOIL MANAGEMENT</u>
Quantity as on 31/03/2013

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 2012-13 HAS BEEN RECEIVED.

NO PRODUCTION AS THE MINE IS NON-WORKING SINCE 30.09.2010.

FIXED ASSETS : RS.897627000 /- COMMON FOR SIX IRON & MN MINES OF THE SAME LESSEE



**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.**

BOUNDARY PILLARS ARE NOT CONSTRUCTED AND MAINTAINED AS PER CCOM CIRCULAR NO 2/2010 AND ITS ADDENDUM DATED 21.09.2011.

E C NOT OBTAINED ( ORDER FROM STATE EAC AWAITED, STAGE 1 FOREST CLEARANCE SUBMITTED)

REGARDING FOREST CLEARANCE, STAGE 1 CLEARANCE OBTAINED. APPLIED FOR DIVERSION OF 21.52 HA.

CONSENT TO OPERATE NOT OBTAINED FROM OSPCB.

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

DURING CURRENT INSPECTION NO VIOLATION WAS POINTED OUT AND ADVISE WAS GIVEN TO CONSTRUCT AND MAINTAIN BOUNDARY PILLARS AS PER CCOM CIRCULAR.

**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.**

THE MINERALISATION WILL NOT EXHAUST WITH IN THE PRESENT PERIOD HENCE 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.)**

DIRECTOR OF MINES, GOVT. OF ODISHA IS REQUESTED TO ENSURE PROPER FIXING OF BOUNDARY PILLARS.

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

Date :

(NARENDRA MOHAN DEY)

Indian Bureau of Mines