

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/IRON/KJR/MCDR-5/BBS/9/3/0:

Mine code : 30ORI08008

- (i) Name of the Inspecting : **DEY**) **NARENDRA MOHAN DEY**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : SHRI D K CHOUDHURY MINES MANAGER
Official with
Designation
- (iv) Date of Inspection : 13/04/2013
- (v) Prev.inspection date : 07/08/2010

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BARPADA KASIA**
- (b) Category : A Manual
- (c) Type of Working : Opencast
- (d) Postal address
- State : ORISSA
- District : KEONJHAR
- Village : KOLHA BARPADA
- Taluka : BARBIL
- Post office : KOLHA BARPADA
- Pin Code : 758035
- FAX No. : 06767-30257
- E-mail : info@orissa.mining.com
- Phone : 06767-275570
- (e) Police Station :
- (f) First opening date : 02/12/1975
2. Address for : VILL& PO: KOLHA BARPADA
correspondance DIST: KEONJHAR, POLICE STATION: BARBIL
ORISSA, PIN:758035
3. (a) Lease Number : ORI0646
- (b) Lease area : 452.99
- (c) Period of lease : 20
- (d) Date of Expiry : 14/10/2005
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : O.M.C.LTD.
 SRI.G.K.DHAL,MD OMC House
 ,P.B.No.34 BHUBANESWAR
 KHURDA ORISSA
 Phone:
 FAX :0674-401629(BBSR),06767-30257

Owner : m/s ORISSA MINING CORPORATION LTD
 OMC HOUSE P.B.No.34
 BHUBNESHWAR ORISSA
 Phone:
 FAX :

Agent : G.D.DAS
 M/S OMC LTD. AT/PO BARBIL
 KEONJHAR ORISSA
 Phone: 06767 75253
 FAX : 06767 30257

Mining Engineer

Name : P.C.SARANGI,Full Time
 Qualification : DIPLOMA IN MINING,2ND CLASS CERTIFICATE
 Appointment/ : 15/01/1996
 Termination date

Mining Engineer

Name : ABANI KANTA PRADHAN,Full Time
 Qualification : A.M.IE
 Appointment/ : 28/06/2002
 Termination date

Geologist

Name : S.K.MISHRA,Full Time
 Qualification : Msc Geology
 Appointment/ : 15/06/1992
 Termination date

Geologist

Name : SUBRAT MISHRA,Full Time
 Qualification : MSC APPLIED GEOLOGY
 Appointment/ : 01/06/1992
 Termination date

Manager

Name : P.C.SARANGI
 Qualification : Diploma in Mining,II nd class Manager ce
 Appointment/ : 15/01/1996
 Termination date

6. Date of approval of Mining :
 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	5	
Others	75	
Supervisory	33	

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				6.33	
Housing				8.77	
Sub total				15.10	
Infrastructure					
Sub total				15.10	
Total				15.10	

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

VIOLATIONS UNDER RULE 13(1), 14, 16(1), 23E (2), 27 (4), 42 (I)(c)(i) & 45(5)(b)(i) WERE POINTED OUT TO THE PARTY ON 02.08.2012 ON THE BASIS OF PREVIOUS INSPECTION DATED 28.06.2012.

DUE TO NON-COMPLIANCE SHOW-CAUSE NOTICE WAS ALSO ISSUED ON 26.11.2012.

SUBSEQUENTLY REPORTED COMPLIANCE HAS BEEN RECEIVED ENCLOSING SUPPORTING PHOTOGRAPHS OF CONSTRUCTION OF RETAINING WALL, SEPARATE STOCK OF SUB-GRADE ORE & WASTE AND APPOINTMENT OF GEOLOGIST ETC. VIDE PARTY LETTER DATED 22.12.2012. SINCE THE PARTY BEING STATE OWNED PSU, SOME MORE TIME HAS BEEN ALLOWED FOR COMPLETION OF WORK. SCHEME OF MINING IS VALID UPTO 2015-16, APPROVED ON 03.06.2011.

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.

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)	: 260 X 240 X 56 MAIN QUARRY	MAIN QUARRY 260 X 240 X 56	
b.Bench size(LxWxH)length can be defined as regular/irregular	: 6 M HEIGHT, 10 M WIDTH	6 M HEIGHT 10 M WIDTH	
d.Total area covered under excavation/pits	: 151.131	144.340	

C. Waste disposal (Rule 13)

a.Location of dumps	: D1, D2,D3,D4, COLLEGE PIT	D1, D2,D3,D4, COLLEGE PIT	
b.Method of dumping whether advancing/retreat	: ADVANCING	ADVANCING	
e.Yearly generation of waste quantity.	: 125080 CUM	AS PER ANNUAL RETURN NO WASTE IS GENERATED DURING 2012-13	
c.Total area covered under waste dump.	: 118.404	112.920	

D. Production

b.Year wise production of last five year.	: 2012-13 : 502530.00 TONNES	PRODUCTION DURING 2012-13 : 104855.31 TONNES. DURING THE YEAR 2010-11 AND 2011-12 THERE WAS NO PRODUCTION AS THE MINE WAS CLOSED FOR STATUTORY CLEARANCES.,	
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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 03.06.2011 IS AS FOLLOWS: 111: 8988530 MT, 121 : 1890039 MT 221: 183439 + 222: 3857 = 222011 MT AS PER UNFC.		
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RESERVE POSITION AS ON 01/04/2013

IRON ORE

Category	Quantity in Tonnes	Grade
Proved	8988530	AS PER UNFC: 111
Probable	1890039	AS PER UNFC: 121
Possible	222011	AS PER UNFC: 221 & 222
Total	11100580	

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

Percentage of recovery of ore : 75 %
 pitwise w.r.t. ROM and total
 material

Number of benches in ore and : IN ORE NUMBER OF BENCHES 7, IN OB / WASTE 3
 waste.

<u>Exploration data as on 31/03/ 2013</u>		
No. of Boreholes	No. of Pits	No. of Trenches
4		

<u>OVERBURDEN HANDLED DURING PREVIOUS YEAR 2012 - 2013</u>	
Overburden/waste removed (in m3) :	0

<u>Utilisation of Sub Grade Mineral and Mineral Rejects</u>			
Generated	Utilised	Stacked	(In Ton.)

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

a. Landscape. : OPENCAST WORKING: 144.340 HA, RECLAIMED /
 REHABILITATED: 4.520 HA, USED FOR WASTE DISPOSAL :
 112.920 HA, OCCUPIED BY PLANT, BUILDING, ROAD ETC :
 28.530 HA, USED FOR OTHER PURPOSES : 16.080 HA

C. Air environment

c. Climatic condition : SUB- TROPICAL

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.
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<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 2012-13 WAS SCRUTINISED.
COST OF OPERATION 304.00,
PRODUCTION 104855.31 TONNES,
PIT MOUTH VALUE 1476.00,
FIXED ASSETS: Rs.21525208000 /-

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.

GPS CO-ORDINATES OF STRATEGIC AND IMPORTANT BOUNDARY POINTS WERE VERIFIED. READINGS WERE ALMOST MATCHING WITH THE DGPS MAP PREPARED BY OSAC DATED 22.08.2012. HOWEVER READINGS WERE NOT MENTIONED ON THE BOUNDARY PILLAR AND CORNER PILLARS ARE NOT PYRAMID SHAPED.

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.)

DIRECTORATE OF MINES, GOVT. OF ODISHA IS REQUESTED TO ENSURE FIXING OF MINING LEASE BOUNDARY PROPERLY.

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

Date :

(NARENDRA MOHAN DEY)

Indian Bureau of Mines