

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/MN/SNG/MCDR-4/BBS

Mine code : 40ORI13011

- (i) Name of the Inspecting : **DEY**) **NARENDRA MOHAN DEY**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : **SHRI RAJESH KUMAR MINES MANAGER**
Official with
Designation
- (iv) Date of Inspection : 17/04/2013
- (v) Prev.inspection date : 18/09/2003

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KUSUMDIH**
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address
- State : ORISSA
- District : SUNDARGARH
- Village : KUSUMDIH
- Taluka : BONAI
- Post office : KOIRA
- Pin Code :
- FAX No. :
- E-mail :
- Phone : 06625-35063
- (e) Police Station :
- (f) First opening date : 29/07/1939
2. Address for : vill-kusumdih
correspondance po- Koirra, Dist-Sundergarh
Orissa. Pin-770048
3. (a) Lease Number : ORI0202
- (b) Lease area : 31.56
- (c) Period of lease : 20
- (d) Date of Expiry : 31/12/1999
4. Mineral worked : MANGANESE ORE Main

5. Name and Address of the

Lessee : M/s Orissa Manganese and minerals (p) Lt
M/SOMML9, esplanade mansi,
14-Govt. Place (east),
Calcutta KOLKATA WEST
BENGAL
Phone: 2484988, 2484033, 2482871
FAX : 033- 2483717

Owner : M/S Orissa Manganese and Minerals (p) Ltd.
9, Esplanade Mansion, 14-
Govt. Place (east),
Calcutta KOLKATA WEST
BENGAL
Phone: 033-2434177, 243
FAX : 033-2482871

Mining Engineer

Name : B.N.SINGH, Full Time
Qualification : B.E.Mining
Appointment/ :
Termination date

Manager

Name : ARDALI SHAH
Qualification : Permit manager certificate
Appointment/ :
Termination date

6. Date of approval of Mining : 16/04/2012
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		
Managerial	1	306
Others	2	212
CONTRACT		
Others		
Workers		

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					
Housing					MINING OPERATION
Sub total					
Infrastructure					
Sub total					
Total					

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

NO OUTSTANDING VIOLATIONS OF RULE. MINING OPERATION WAS STOPPED BY DFO BONAI SINCE 23.08.2011 FOR WANT OF FOREST CLEARANCE.

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 : KUSUM PIT HAVING
each pit (LxWxH) EXTENSION OF 150 M
LENGTH & 80 M
WIDTH AND 2 NOS
OF WORKING BENCHES
, AMM PIT AND MAIN
PIT HAVE EXTENSION
OF 150 M LENGTH &
80 M WIDTH AND 1
NO OF WORKING
BENCHES DURING THE
BEGININ

c.Ore to waste ratio :
pit wise if possible
otherwise for mine

MINING OPERATION WAS
STOPPED SINCE 23.08.2011
BY DFO, BONAI FOR WANT
OF FOREST CLEARANCE.

D. Production

b.Year wise	: 2007-08: 12080,	2007-08: NIL
production of last	2008-09: 13568,	2008-09: NIL
five year.	2009-10: 16040,	2009-10: NIL
	2010-11: 16520,	2010-11: 2000 MT
	2011-12: 17376	2011-12:NIL AS PER INSTRUCTION OF DFO, BONAI THE MINING OPERATION WAS STOPPED SINCE 23.087.2011.

D. Reserve

a.Reserve position as : AS PER LATEST MS
per latest MP/MS and APPROVED ON
at the time of 20.02.2012 RESERVE
inspection. POSITION AT THE
TIME OF INSPECTION
IS AS FOLLOWS:
PROVED:
168000(111),
PROBABLE : 120000
(121) AND
POSSIBLE:
418000(333).

RESERVE POSITION AS ON 01/04/2013

MANGANESE ORE		
Category	Quantity in Tonnes	Grade
Proved	168000	36.12 (111)
Probable	120000	36.12 (121 +122)
Possible	418000	36.12 (333)
Total	706000	

PRODUCTION FOR THE PREVIOUS YEAR 2012 - 2013

Mineral	Production	Unit
MANGANESE ORE	0	TON

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

Percentage of recovery of ore : MINE WAS STOPPED BY DFDO BONAI SINCE 23.08.2011 FOR
 pitwise w.r.t. ROM and total WAST OF FOREST CLEARANCE
 material

Number of benches in ore and : NUMBER OF BENCHES IN ORE 1 (ONE) AVERAGE HEIGHT 5 MTS
 waste. NUMBER OF BENCHES IN OB/ WASTE 2 (TWO) AVERAGE HEIGHT
 5 MTS

Exploration data as on 31/03/ 2013

No. of Boreholes	No. of Pits	No. of Trenches
7		

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. : FOREST: 28.324 HA AND NON-FOREST: 3.225 HA

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 FOR THE YEAR 2012-13 WAS SCRUTINISED
AS THE MINING OPERATION WAS STOPPED FROM 23.08.2011 BY DFO BONAIFOR WANT OF FOREST
CLEARANCE, THE PRODUCTION WAS NIL AND COST OF OPERATION WAS NIL

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 HAVE BEEN COSTRUCTED .

CORNER BOUNDARY PILLARS ARE NOT PYRAMID SHAPED.

READING ARE NOT MENTIONED IN THE BOUNDRY PILLARS.

HOWEVER READINGS ARE ALMOST MATCHING WITH THE DGPS MAP PREPARED BY OSAC DATED 09.11.2011.

LETTER HAS BEEN SENT TO THE MINE OWNER TO CONSTRUCT AND MAINTAIN BOUNDARY PILLARS AS PER CCOM CIRCULAR NO 2/2010 AND ITS ADDENDUM DATED 21.09.20211.

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 THE MINERALISATION WILL NOT EXHAUST AND 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.)

BOUNDARY PILLARS HAVE NOT BEEN CONSTRUCTED AND MAINTAINED AS PER CCOM CIRCULAR NO 2/2010 AND ITS ADDENDUM DATED 21.09.2011. STATE GOVT. IS REQUESTED TO ENSURE FIXING PROPER BOUNDARY PILLARS.

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

Date :

(NARENDRA MOHAN DEY)

Indian Bureau of Mines