

**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 D K SINGH G M (MINES) & SHRI A C MAJHI DGM (PLA**
Official with
Designation
- (iv) Date of Inspection : 17/08/2015
- (v) Prev.inspection date : 17/04/2013

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	

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 OF RULE . MINING OPERATION HAS BEEN STOPPED SINCE 23.08.2011 BY DFO, BONAI 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, 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)	KUSUM PIT : 150 M LENGTH X 80 M WIDTH AND 2 NUMBER WORKING BENCHES. MAIN PIT AND AMM PIT 150 M LENGTH X 80 M WIDTH AND 1 NUMBER WORKING BENCHES	MINING OPERATION HAS BEEN STOPPED BY DFO, BONAI SINCE 23.08.2011 FOR WANT OF FOREST CLEARANCE.
b.Bench : size(LxWxH)length can be defined as regular/irregular	NUMBER OF BENCH IN ORE 1 , AVERAGE HEIGHT 5 M NUMBER OF BENCHES IN OB / WASTE 2 AVERAGE HEIGHT 5 M.	MINING OPERATION HAS BEEN STOPPED SINCE 23.08.2011 FOR WANT OF FOREST CLEARANCE BY DFO, BONAI
d.Total area covered : under excavation/pits	6.65 HA	

C. Waste disposal (Rule 13)

a.Location of dumps :	NORTH- WEST SIDE OF LEASE HOLD AREA.	
b.Method of dumping : whether advancing/retreat	ADVANCING	
e.Yearly generation : of waste quantity.	CUMULATIVE WASTE GENERATED AS ON DATE OF INSPECTION 10816 CUM	MINING OPERATION HAS BEEN STOPPED SINCE 23.08.2011 BY DFO, BONAI.
c.Total area covered : under waste dump.	7500 SQ M.	
d.No.and size of each : waste dump with No of steps/lift/bench	ONE HAVING SIZE 150 M X 50 M X 15 M. ONE STEP	

D. Production

b.Year wise : production of last five year.	MINING OPERATION HAS BEEN STOPPED SINCE 23.08.2011 BY DFO, BONAI FOR WANT OF FOREST CLEARANCE.	
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D. Reserve

a.Reserve position as : per latest MP/MS and at the time of	RESERVE POSITION AS PER LATEST SCHEME OF MINING APPROVED ON 20.02.2012	MINING OPERATION HAS BEEN STOPPED BY
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inspection.

FOR THE PERIOD 2012-13 DFO, BONAI
 TO 2016-17 AND AT THE SINCE
 TIME OF INSPECTION IS AS 23.08.2011 FOR
 FOLLOWS: WANT OF FOREST
 PROVED: 168000 MT AS CLEARANCE.
 PER UNFC 111
 PROBABLE : 120000 MT AS
 PER UNFC 121
 POSSIBLE : 418000 MT AS
 PER UNFC 333.

RESERVE POSITION AS ON 01/04/2015

MANGANESE ORE		
Category	Quantity in Tonnes	Grade
Proved	168000	ABOVE 10%
Probable	120000	ABOVE 10%
Possible	418000	ABOVE 10%
Total	706000	

PRODUCTION FOR THE PREVIOUS YEAR 2014 - 2015

Mineral	Production	Unit
MANGANESE ORE	0	TON

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

Percentage of recovery of ore : MINING OPERATION HAS BEEN STOPPED SINCE 23.08.2011 BY pitwise w.r.t. ROM and total DFO, BONAI FOR WANT OF FOREST CLEARANCE. material

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

Exploration data as on 31/03/ 2015

No. of Boreholes	No. of Pits	No. of Trenches
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OVERBURDEN HANDLED DURING PREVIOUS YEAR 2014 - 2015

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.)
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7. Environment Management - both quantitative and qualitativ

A. Land environment

- a. Landscape. : FOREST 28.324 HA AND NON-FOREST 3.225 HA
- b. Aesthetic environment : PLANTATION IS CARRIED OUT EVERY YEAR APPROX 6000 NUMBER ON DUMP AND SAFETY ZONE.
- h. Public building, places and monuments (protected, historical), placec of worship and places of tourist : NO MONUMENT ETC.
- e. Forest(flora and fauna) : SMALL TREES AND BUSHES . NO FAUNA
- d. Agriculture : NO AGRICULTURAL LAND WITH IN LEASE HOLD AREA.

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>2014 - 2015</u>
	Area in Hect.

<u>TOP SOIL MANAGEMENT</u>
Quantity as on 31/03/2015

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 2014-15 HAS BEEN RECEIVED AND SCRUTINISED.

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

NO PRODUCTION, NO COST OF OPERATION, CLOSING STOCK : 2534.574 MT

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.

SCHEME OF MINING APPROVED ON 20.02.2012 VALID UPTO 2016-17.

DGPS MAP HAS BEEN PREPARED BY OSAC DATED 09.11.2011.

READINGS OF THE BOUNDARY PILLAR ARE ALMOST MATCHING WITH THE READINGS MENTIONED ON THE DGPS MAP.

d. Whether the mine owner has carried out exploration and exploitation on the basis on surface mapping, pitting, trenching and core drilling taking in to consideration the mode of occurrences of mineral deposit.

OUT OF TOTAL LEASE AREA 31.549 HA THE MINE OWNER HAS CARRIED OUT EXPLORATION AS FOLLOWS:

UNDER G2 LEVEL 6.649 HA SCALE OF MAPPING 1: 2000.

UNDER G3 LEVEL 15.644 HA SCALE OF MAPPING 1: 2000

BALANCE UNEXPLORED AREA 9.256 HA.

DUE TO STOPPAGE OF MINING OPERATION SINCE 23.08.2011 BY DFO, BONAI FOR WANT OF FOREST CLEARANCE, THE PROPOSED EXPLORATION WAS NOT CARRIED OUT.

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 WITHIN 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.)

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

Date :

(NARENDRA MOHAN DEY)

Indian Bureau of Mines