

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/MN/KJR/MCDR-18/BBS

Mine code : 40ORI08030

- (i) Name of the Inspecting : **AR**) **SHRI PREM PRAKASH**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : S/Sri R C Sahu, Agent and B. B. Nayak, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 16/04/2015
- (v) Prev.inspection date : 28/06/2012

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SEREMDA BHADRASAHI**
- (b) Category : A Manual
- (c) Type of Working : Opencast
- (d) Postal address
State : ORISSA
District : KEONJHAR
Village : SEREMDA BHADRASAHI
Taluka : BARBIL
Post office : SEREMDA
Pin Code :
FAX No. :
E-mail :
Phone : 06767-75361
- (e) Police Station :
- (f) First opening date : 16/11/1976
2. Address for : PO-SEREMDA
correspondance VILL-BHADRASAI
DIST-KEONJHAR PIN-758025
3. (a) Lease Number : ORI0182
(b) Lease area : 1734.57
(c) Period of lease : 20
(d) Date of Expiry : 29/08/2006
4. Mineral worked : IRON ORE Associated
MANGANESE ORE Main

5. Name and Address of the

Lessee : M/S Orissa Mining Corporation Ltd
P.O.NO.34 OMC House
Bhubaneswar KHURDA ORISSA
Phone:
FAX :

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

Agent : P.K.BHATTACHARYA
Sr. MANAGER, M/S OMC LTD
BARBIL DIST-KEONJHAR
KEONJHAR ORISSA
Phone: 06767-75253
FAX :

Geologist

Name : J.D. MISHRA, Full Time
Qualification : M.Sc. GEOLOGY
Appointment/ :
Termination date

Manager

Name : N.C.SAHOO
Qualification : DME(MINING), AMIE.
Appointment/ :
Termination date

6. Date of approval of Mining : 24/11/2014
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	8	308
Ministrial	10	308
Supervisory	5	308
Others	68	
Workers	77	308
CONTRACT		
Plant	6	
Supervisory	1	308
Workers	50	308

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					
Sanitation	0.50	0.04	0.50		
Water supply	7.00	6.41	7.50	0.20	Not verified.
Health	12.00	11.90	15.00	0.42	
Housing	3.00	1.65	3.00		As reported by A
Sub total	22.50	20.00	26.00	0.62	
Infrastructure					
Public transport	30.00	30.00	28.43	1.10	
Sub total	30.00	30.00	20.00	1.10	
Training	12.00	12.00	11.01		
Recreation	0.15	0.10	0.15		
Environment management	5.00	5.00	1.20	0.05	
Employment	300.00	310.00	271.00	11.32	
Total	369.65	383.10	331.79	13.09	

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

During last on 06.08.1014, no violation was pointed out.

During current inspection, violation of Rule 13(1), 27(3)&(4) were observed and being communicated to the party.

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.

not being recommended at present.

5. Scientific Mining

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

a.Type of prospecting : 15 BHs and exploration i.e. pitting, drilling		13 Bhs	Against approved 15 BHs, 18 Bhs carried out in previous year 2013-14
b.Total area covered : 15 HA		13 HA approx.	

B. Working (Rule 13)

a.Number and size of each pit (LxWxH)	Excavation of ore approved from 03 Pits	However, reportedly due to non-availability of forest clearance, excavation was carried out only from 01 pit i.e. Main Quarry in Barapada-Kasia Block, which is within the non-forest area.	
b.Bench size(LxWxH)length can be defined as regular/irregular	: W= 10M, H= 6M	W= 10M, H= 6M approx.	
d.Total area covered under excavation/pits a year	: not specified for a year	145 Hect. approx.	
c.Ore to waste ratio pit wise if possible otherwise for mine	: 1:1.9 for mine	1:0.94 in only one working quarry-Main Quarry	2014-15

C. Waste disposal (Rule 13)

a.Location of dumps	: Dump-C, M.Q.	Dump-C, near main qry.	
e.Yearly generation of waste quantity.	: 48110 m3	127473.33 M3	2014-15, as reported by mines manager, A. Return yet to be submitted.

RESERVE POSITION AS ON 01/04/2015PRODUCTION FOR THE PREVIOUS YEAR 2014 - 2015

Mineral	Production	Unit
MANGANESE ORE	0	MT
IRON ORE	135027	TON

6. Conservation of Mineral - both quantitative and qualitative**Beneficiation (Rule 20 and 26)**

Efforts for improving : sorting, sizing & blending
percentage of recovery of
ore.

Mineral Rule 15

Number of benches in ore and : : Ore-3, OB-5 in Main Qry
waste.

Sub/grd mineral/fines (Rule16)

Number and size of each stack : Not applicable

Qty of yearly generation and : reported Nil in 2014-15
total qty available during
inspection with grade

Location of stacking. : Not applicable

Separate stacking from waste : Not applicable

Total area covered for : Not applicable
stacking

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**Utilisation of Sub Grade Mineral and Mineral Rejects**

Generated	Utilised	Stacked	(In Ton.)
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7. Environment Management - both quantitative and qualitativ

A. Land environment

- a. Landscape. : Hilly & undulating
- b. Aesthetic environment : satisfactory
- c. Soil and land use pattern : top soil generation negligible.
- d. Agriculture : None
- e. Forest(flora and fauna) : local common species
- h. Public building, places and monuments (protected, historical), place of worship and places of tourist : nil

B Water environment.

- a. Surface water : KASIA NALA exists in close proximity to Main Qry.
- b. Ground water : Not intersected yet by mining.

C. Air environment

- a. Noise : Small scale mining, confined to only one small pit i.e. main qry only working. Not much considerable affect on noise pollution.
- b. Air : Small scale mining, confined to only one small pit i.e. main qry only working. Not much considerable affect on air.
- c. Climatic condition : Sub-tropical, Temperature 9° C - 45° C
Annual rainfall 1100mm - 1450mm

D. Socio economic environment

- a. Social and demographic profile. : locals are mostly tribble people dependent mainly to mining activities.
- b. Recommending health and safety. : reportedly Periodical Medical Examination (PME) has been carried out as per norms.
- d. Recreational facility. : Provided in colony.

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.

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 is not submitted yet; due date of submission is upto 1st july.

Scrutiny of annual return for the year 2013-14 was carried out, discrepancies observed are being communicated to the party thr' violation letter.

PART - III : PERFORMANCE OF MINE OWNER

(In case of lease expiring within 2 years - as per guidelines)

PART - IV : PROPOSALS FOR FURTHER ACTION FOR :

Indian Bureau of Mines (any issue related to CGPB, SGPB, Assistance, Consultancy, Annual Programme and studies, etc.)

nil

State Government (Illegal mining, mining dispute, infrastructure, Mineral based industry, Mineral policy, etc.)

Copy of violation letter being indorsed to the Director of mines, Odisha.

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

nil

Date :

(SHRI PREM PRAKASH)

Indian Bureau of Mines