

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

**MCDR INSPECTION REPORT**

**Bhubaneshwar regional office**

**Mine file No :** ORI/MN/SNG/MCDR-9/BBS

**Mine code :** 40ORI13024

- (i) Name of the Inspecting : **AR** ) **SHRI PREM PRAKASH**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri C.P.N Pathak, Agent; Shri D.H.Ray, Mine Manager  
Official with  
Designation
- (iv) Date of Inspection : 25/06/2013
- (v) Prev.inspection date : 25/06/2012

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **PATMUNDA**
- (b) Category : A Manual
- (c) Type of Working : Opencast
- (d) Postal address  
State : ORISSA  
District : SUNDARGARH  
Village : PATMUNDA  
Taluka : BONAI  
Post office : PATMUNDA VIA KOIRA  
Pin Code :  
FAX No. : 033-2482871  
E-mail :  
Phone : 06625-35063
- (e) Police Station :
- (f) First opening date : 09/12/1955
2. Address for : PATMUNDA MANGANESE MINE, PO:KOIRA,  
correspondance DISTRICT:SUNDERGARH, ORISSA  
PIN:770 048
3. (a) Lease Number : ORI0199  
(b) Lease area : 807.66  
(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 : S.C. PRADHAN, Full Time  
Qualification : DEGREE IN MINING AND SECOND CLASS COMPET  
Appointment/ :  
Termination date

## Manager

Name : M.K. JHA  
Qualification : IST CLASS CERTIFICATE OF COMPETENCY  
Appointment/ :  
Termination date

6. Date of approval of Mining : 15/06/2012  
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
<b>DIRECT</b>		
Managerial	10	77
Supervisory	12	77
Others	24	77
<b>CONTRACT</b>		
Workers	163	77
Managerial	1	77
Supervisory	3	77

**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	
<b>General</b>					
Water supply	23.00	14.80	23.00	2.47	
Sanitation	2.10	2.02	2.10	0.33	
Housing	6.00	5.60	6.00	0.00	
Health	15.00	15.60	15.00	2.12	
<b>Sub total</b>	<b>46.10</b>	<b>38.02</b>	<b>46.10</b>	<b>4.92</b>	
<b>Infrastructure</b>					
Roads	10.00	10.00	6.25	0.24	
<b>Sub total</b>	<b>10.00</b>	<b>10.00</b>	<b>38.02</b>	<b>0.24</b>	
<b>Recreation</b>	<b>0.50</b>	<b>0.50</b>	<b>0.31</b>	<b>0.10</b>	
<b>Training</b>	<b>3.00</b>	<b>3.00</b>	<b>1.09</b>	<b>0.48</b>	
<b>Employment</b>	<b>0.00</b>	<b>106.91</b>	<b>0.00</b>	<b>17.81</b>	
<b>Total</b>	<b>59.60</b>	<b>166.51</b>	<b>45.67</b>	<b>23.55</b>	

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

No outstanding violation. During current inspection violn. of Rule 13(1) & 33(2) observed and the same 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 recommended at present.

## 5. Scientific Mining

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

b.Total area covered :

a.Type of prospecting : 33 BHs Nil  
and exploration i.e.  
pitting, drilling

**B. Working (Rule 13)**

b.Bench : Bench size(W=10 to Bench size almost (W=10  
size(LxWxH)length can 20 mxH=5m)length to 20 mxH=5m)length can  
be defined as can be defined as be defined as regular  
regular/irregular regular

a.Number and size of : 03 pits 03 pits  
each pit (LxWxH)

c.Ore to waste ratio : 1:2.17 to 1:2.51 1:3.34  
pit wise if possible  
otherwise for mine

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

a.Location of dumps : weast central part weast central part of  
of the lease the lease

b.Method of dumping : advancing/retreat advancing/retreat Partly  
whether partly  
advancing/retreat

d.No.and size of each : Three old dump one Three old dump one  
waste dump with No of active dump active dump  
steps/lift/bench

e.Yearly generation : 430800 m3 51773.106 m3  
of waste quantity.

PRODUCE RESERVE FOR THE PREVIOUS YEAR/

-

Mineral

Production

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

Efforts for improving low grade and sub grade mineral. : Screening & blending

Efforts for improving percentage of recovery of ore. : Manual sorting & picking of ore.

**Mineral Rule 15**

Percentage of recovery of ore pitwise w.r.t. ROM and total material : around 15 to 20% from total material

Number of benches in ore and waste. : Main pit : 08 in ore & waste

**Sub/grade mineral/fines (Rule 16)**

Qty of yearly generation and total qty available during inspection with grade : 1370 te : 2012-13

Number and size of each stack : 05 nos.

Location of stacking. : near ML Boundary pillars 141 to 144.

Separate stacking from waste : yes

Total area covered for stacking : around .75 ha.

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

No. of Boreholes

No. of Pits

No. of Trenches

**OVERBURDEN HANDLED DURING PREVIOUS YEAR****-****Utilisation of Sub Grade Mineral and Mineral Rejects**GeneratedUtilisedStacked

(In Ton.)

7. Environment Management - both quantitative and qualitativ

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>-</u>	Area in Hect.
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<u>TOP SOIL MANAGEMENT</u>				
Quantity as on 31/03/				

**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 not been submitted till the date of inspection, due dt. upto 1st July '2013)

Scrutiny of annual return for the year 2011-12 has already been carried out during last inspection dated 25/06/2012.

**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.)**

none

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

none

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

none

**Date :**

**(SHRI PREM PRAKASH)**

Indian Bureau of Mines