

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

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

Mine code : 30ORI08003

- (i) Name of the Inspecting : **AR**) **SHRI PREM PRAKASH**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : S/Sri N.R. Nayak, G.M./Agent & P.K. Dehury, Mines Man
Official with
Designation
- (iv) Date of Inspection : 27/02/2015
- (v) Prev.inspection date : 26/06/2014

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BALDA BLOCK**
- (b) Category : A Other than Fully Mech.
- (c) Type of Working : Opencast
- (d) Postal address
State : ORISSA
District : KEONJHAR
Village : BALDA
Taluka : BARBIL
Post office : BALDA
Pin Code : 758034
FAX No. :
E-mail :
Phone : 06767-73452
- (e) Police Station :
- (f) First opening date : 02/06/1962
2. Address for : BALDA BLOCK IRON MINE. AT: BALDA
correspondance PO: PALSA, DIST; KEONJHAR
PIN: 758034
3. (a) Lease Number : ORI0096
(b) Lease area : 335.84
(c) Period of lease : 20
(d) Date of Expiry : 02/12/2017
4. Mineral worked : MANGANESE ORE Associated
IRON ORE Main

5. Name and Address of the

Lessee : M/S.Serajuddin & Co
At/po.Joda, KEONJHAR
ORISSA
Phone:
FAX :

Owner : M/S SERAJUDDIN & CO.
19/A, BRITISH INDIAN STRE
CALCUTTA-69 KOLKATA WEST
BENGAL
Phone:
FAX :

Mining Engineer

Name : P.K. DEHURY, Full Time
Qualification : A.M.I.E. (MINING)
Appointment/ : 21/10/1993
Termination date

Manager

Name : A.C. MAHANTA
Qualification : DIPLOMA IN MINING, A.M.I.E. (MINING)
Appointment/ : 17/08/1996
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		
Supervisory	7	
Workers	104	
Managerial	8	
CONTRACT		
Plant	115	
Supervisory	222	
Workers	547	
Managerial	35	

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	50.00		163.00		
Housing	84.00		0.00		As reported by Mi
Water supply	157.00		191.00		
Sub total	291.00		354.00		
Infrastructure					
Public transport	*****	*****			
Sub total	*****	*****			
Others	32.00				
Recreation	12.00	290.00			
Employment	90.60	491.00			
Environment management	144.00	144.00			
Training	21.00	0.00			
Total	*****	*****			

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

No outstanding violation, as during last inspection on dt.26.06.2014, no violation was observed. During this inspection, violation of rule 13(1) & 45(7) of MCDR'88 was 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 at present.

5. Scientific Mining

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

a.Type of prospecting : Nil
and exploration i.e.
pitting, drilling Nil 2013-14

b.Total area covered : Nil Nil

B. Working (Rule 13)

c.Ore to waste ratio : 1:0.09
pit wise if possible
otherwise for mine 1:0.09 for mine

b.Bench : Length not
size(LxWxH)length can specified
be defined as Width more than
regular/irregular height
Height 10 mtr. Length not specified
Width-more than height
Height 10 mtr. avg.
Width not
miantained more
than its height

a.Number and size of : Not specified for
each pit (LxWxH) a year. Pit-1 : 449x157x50
Pit-2&5 : 680x490x110
Block F1 470x246x25;
Approx. avg. size As reported by
mines
manager;not
surveyed.

d.Total area covered : Not specified for
under excavation/pits a year 89 ha approx. up till 2013-14

C. Waste disposal (Rule 13)

a.Location of dumps : Dump A North
Eastern side of
lease Dump A-between grids
334480 to 334780 &
2421053 to 2420753
Dump B Eastern
side of the lease Dump-B-between grids
335990 to 336080

b.Method of dumping : Retreating
whether Retreating
advancing/retreat

c.Total area covered : not specified for
under waste dump. a year 68200 sqm approx.

d.No.and size of each : not specified for
waste dump with No of a year Dump A-218x150x33
steps/lift/bench Dump B-180x80x12
approx. cumulative

e.Yearly generation : 1075442 MT
of waste quantity. 732216 MT in 2013-14 as per Annual
Return
submitted for
2013-14.

RESERVE POSITION AS ON 01/04/2014**PRODUCTION FOR THE PREVIOUS YEAR 2013 - 2014**

Mineral	Production	Unit
IRON ORE	8.27	MT

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

Efforts for improving low grade and sub grade mineral. : Crushing and Screening

Efforts for improving percentage of recovery of ore. : Low grade material blended with high grade material.

Mineral Rule 15

Number of benches in ore and waste. : Pit-1 : 6 nos
Pit 2&5 : 16nos
Kalimate Pit- 5 nos
Block fl- 3 nos

Percentage of recovery of ore pitwise w.r.t. ROM and total material : 100% w.r.t ROM as per Annual Return submitted for 2013-14.

Sub/grd mineral/fines (Rule16)

Qty of yearly generation and total qty available during inspection with grade : year 2013-14 : 0.886244 MT

Number and size of each stack : Dump-1-555600 cum
Dump 2-385014 cum
Dump 3- 1922496 cum
Dump 4- 193200 cum
Dump 6-443003 cum
Q4 T stack- 443003 cum
approx. value as reported by Mines manager/agent.

Separate stacking from waste : yes, SG stacking

Total area covered for stacking : 236746Sqm approx.

Exploration data as on 31/03/ 2014

No. of Boreholes	No. of Pits	No. of Trenches
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OVERBURDEN HANDLED DURING PREVIOUS YEAR 2013 - 2014**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. : Undulating & Hilly
- b. Aesthetic environment : maintained
- d. Agriculture : Agriculture land is not exist in lease area. Check dam, retaining wall constructed around the waste dump.
- e. Forest (flora and fauna) : Common species. The existing working area has got approval from MOEF.
- f. Vegetation : vegetation reported below 0.3 density.
- h. Public building, places and monuments (protected, historical), places of worship and places of tourist : Nil

B Water environment.

- a. Surface water : Surface water monitoring being carried out. Parameters reported within permissible limit.
- b. Ground water : Not intersected yet by OC working.

C. Air environment

- a. Noise : monitoring being carried out. Parameters reported within permissible limit.
- b. Air : monitoring being carried out. Parameters reported within permissible limit.
- c. Climatic condition : Climate generally hot and humid, Average max temperature 38.4 degree. Barometric pressure ranged from 695.8-708.4 Hg

D. Socio economic environment

- a. Social and demographic profile. : locals Mostly tribal population.
- c. Human settlement : No human settlement inside the ML area.
- d. Recreational facility. : Sports materials reportedly being distributed to employees, local school, youth club.

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>2013 - 2014</u>
		Area in Hect.

TOP SOIL MANAGEMENT
Quantity as on 31/03/2014

8. Scrutiny of annual returns on cost of production, reserve, production, pit mouth value, stock, land use pattern and fixed assets.

AR-(2013-14):

Cost Of Production - 1564.66 MT (2013-14)

Reserve as on 1st April 2014- Proved(111)-191.756 mte.

Production- 8270092.52 MT(ROM),

Pit's mouth value- Lumps-62-65%-4186.04/-,Fines-62%-65%=1739.19/-,Fines-60%-62%=Rs 979.78/-

Stock : 5.64 mte (Processed ore)

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.)

Follow-up action.

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

Copy of violation letter being endorsed to 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