

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/IRON/SNG/MCDR-10/BBS

Mine code : 30ORI13042

- (i) Name of the Inspecting : **SQ24**) **DR. M K SOMANI**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Sri Anil Kumar Sharma, P.A.Holder of Legal Heirs.
Official with
Designation
- (iv) Date of Inspection : 08/06/2013
- (v) Prev.inspection date : 11/12/2011

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **RAIKELA, BAHAMBA, TENSA**
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address
State : ORISSA
District : SUNDARGARH
Village : RAIKELA
Taluka : BONAIGARH
Post office : DENGULA
Pin Code : 770048
FAX No. :
E-mail :
Phone : 06582-30896
- (e) Police Station :
- (f) First opening date : 20/10/1986
2. Address for : VILLAGE:RAIKELA, P.O.DENGULA
correspondance DIST:SUNDERGARH
ORISSA-770048
3. (a) Lease Number : ORI0127
(b) Lease area : 69.61
(c) Period of lease : 20
(d) Date of Expiry : 16/04/2006
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : C.P.SHARMA
 AT AMLATOLA P.O.CHAIBASA
 SINGHBHUM (WEST) JHARKHAND
 Phone:06582-52540
 FAX :

Owner : C.P.SHARMA
 AT AMLATOLA P.O.CHAIBASA
 SINGHBHUM (WEST) JHARKHAND
 Phone: 06582-52540
 FAX :

Mining Engineer

Name : RAKESH KUMAR, Full Time
 Qualification : DME MINING
 Appointment/ : 16/02/2003
 Termination date

Geologist

Name : ANIL KUMAR SHARMA, Full Time
 Qualification : MSC GEOLOGY
 Appointment/ : 01/12/2002
 Termination date

6. Date of approval of Mining : 11/01/2008
 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	0	
Workers	0	
Supervisory	0	

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.

NONE, MINE IS CLOSED FOR WANT OF DRP. PALLI SABHA HAS BEEN ORGANISED ON 12-13.06.2013

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.

5. Scientific Mining

Items	Proposal	Actual work done	Remarks
A. Exploration (Rule 13)			
a.Type of prospecting : 6DTH HOLES AND 2 and exploration i.e. BORE HOLES pitting, drilling		NIL, MINE IS CLOSED FOR WANT OF DRP. PALLI SABHA HAS BEEN ORGANISED ON 12-13.06.2013	
b.Total area covered : NIL		MINE IS CLOSED FOR WANT OF DRP. PALLI SABHA HAS BEEN ORGANISED ON 12-13.06.2013	
B. Working (Rule 13)			
a.Number and size of : NIL each pit (LxWxH)		200*140, MINE IS CLOSED FOR WANT OF DRP. PALLI SABHA HAS BEEN ORGANISED ON 12-13.06.2013	
b.Bench : 6*6 size(LxWxH)length can be defined as regular/irregular		5*5, MINE IS CLOSED FOR WANT OF DRP. PALLI SABHA HAS BEEN ORGANISED ON 12-13.06.2013	
c.Ore to waste ratio : pit wise if possible otherwise for mine		MINE IS CLOSED FOR WANT OF DRP. PALLI SABHA HAS BEEN ORGANISED ON 12-13.06.2013	
d.Total area covered : under excavation/pits		5.436 Ha., MINE IS CLOSED FOR WANT OF DRP. PALLI SABHA HAS BEEN ORGANISED ON 12-13.06.2013	
C. Waste disposal (Rule 13)			
a.Location of dumps : NEAR OFFICE, 350E.		MINE IS CLOSED FOR WANT OF DRP. PALLI SABHA HAS BEEN ORGANISED ON 12-13.06.2013	
e.Yearly generation : 10460 of waste quantity.		MINE IS CLOSED FOR WANT OF DRP. PALLI SABHA HAS BEEN ORGANISED ON 12-13.06.2013	
b.Method of dumping : RETREATING whether advancing/retreat		MINE IS CLOSED FOR WANT OF DRP. PALLI SABHA HAS BEEN ORGANISED ON 12-13.06.2013	
c.Total area covered : 1.304Ha under waste dump.		1.304 Ha. MINE IS CLOSED FOR WANT OF DRP. PALLI SABHA HAS BEEN ORGANISED ON 12-13.06.2013	
d.No.and size of each : ONE DUMP waste dump with No of		ONE, MINE IS CLOSED FOR WANT OF DRP. PALLI	

steps/lift/bench

SABHA HAS BEEN ORGANISED
ON 12-13.06.2013

D. Production

b. Year wise : 47070T
production of last
five year.

NIL, MINE IS CLOSED FOR
WANT OF DRP. PALLI SABHA
HAS BEEN ORGANISED ON
12-13.06.2013

D. Reserve

a. Reserve position as :
per latest MP/MS and
at the time of
inspection.

Proved	Probable	Possible	Total
Qty. t	Grade	Qty. t	
Grade	Qty. t	Grade	Qty. t
t	Grade		
497160	62 to 63	964170	
62 to 63	2866530	62	
4327860	62 to 63		

RESERVE POSITION AS ON 01/04/2013

IRON ORE		
Category	Quantity in Tonnes	Grade
Proved	497160	62 to 63% Fe
Probable	964170	62 to 63% Fe
Possible	2866530	62 to 63% Fe
Total	4327860	62 to 63% Fe

PRODUCTION FOR THE PREVIOUS YEAR 2012 - 2013

Mineral	Production	Unit
IRON ORE	0	TON

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

Efforts for improving low grade and sub grade mineral. : NONE

Efforts for improving percentage of recovery of ore. : SORTING

Mineral Rule 15

Percentage of recovery of ore pitwise w.r.t. ROM and total material : 90% OF ROM AND 60% OF TOTAL MATERIAL.

Number of benches in ore and waste. : 6 BENCHES IN ORE AND 1 BENCH IN O.B.

Sub/grd mineral/fines (Rule16)

Qty of yearly generation and total qty available during inspection with grade : TOTAL QTY GENERATED 3900T OF 55-58%Fe GRADE.

Number and size of each stack : ONE STACK

Location of stacking. : NEAR OFFICE

Separate stacking from waste : YES

Total area covered for stacking : 0.144Ha.

Exploration data as on 31/03/ 2013

No. of Boreholes

No. of Pits

No. of Trenches

OVERBURDEN HANDLED DURING PREVIOUS YEAR 2012 - 2013

Overburden/waste removed (in m3) : 0

Utilisation of Sub Grade Mineral and Mineral Rejects

Generated

Utilised

Stacked

(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>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.

FOUND IN ORDER.

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 :

(DR. M K SOMANI)

Indian Bureau of Mines