

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

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

Mine code : 40ORI13036

- (i) Name of the Inspecting : 25) SHRI IBRAHIM SARIF
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Satyabrat Mahapatra
Official with
Designation
- (iv) Date of Inspection : 08/03/2015
- (v) Prev.inspection date : 10/01/2014

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : GANUA
- (b) Category : A Manual
- (c) Type of Working : Opencast
- (d) Postal address
- State : ORISSA
- District : SUNDARGARH
- Village : GANUA
- Taluka : BONAI
- Post office : PATMUNDA
- Pin Code :
- FAX No. :
- E-mail :
- Phone :
- (e) Police Station :
- (f) First opening date :
2. Address for : VILL-GANUA
correspondance PO-PATMUNDA
DIST-SUNDERGARH
3. (a) Lease Number : ORI0731
- (b) Lease area : 129.18
- (c) Period of lease : 10
- (d) Date of Expiry : 22/10/2001
4. Mineral worked : MANGANESE ORE Associated
IRON ORE Main

5. Name and Address of the

Lessee : Zenith Mining (P) Ltd
 Shaadab,tulsipur
 cuttack,india CUTTACK
 ORISSA
 Phone:91 671 600553
 FAX :

Owner : M/S ZENITH MINING (P)
 AT/PO-KOIRA , NEAR S.B.I
 1ST FLOOR HOUSE OF ROSHI
 DIST-SUNDERGARH SUNDARGARH
 ORISSA
 Phone: 06625-33065
 FAX :

Agent : BHIMSEN APAT
 AT/PO-GUALI KEONJHAR
 ORISSA
 Phone: 06767-276989
 FAX : 06767-275759

Mining Engineer

Name : S.S. MOHANTY,Full Time
 Qualification : B.Tech(mining),with 1st class managers c
 Appointment/ :
 Termination date

Mining Engineer

Name : SUBRAT MOHAPATRA,Full Time
 Qualification : A.M.IE MINING
 Appointment/ : 01/09/2002
 Termination date

Geologist

Name : T.K.BASU,Part Time
 Qualification : Msc Geology
 Appointment/ :
 Termination date

Geologist

Name : S.K.MAHAPATRA,Full Time
 Qualification : M.Sc. Geology
 Appointment/ :
 Termination date

Geologist

Name : S.K.SAHOO,Full Time
 Qualification : MSC GEOLOGY
 Appointment/ : 01/07/0004
 Termination date

<p>Manager Name : R.L.CHOUDHURY Qualification : PERMIT MANAGER Appointment/ : 29/07/2002 Termination date</p>
<p>Manager Name : S.MOHAKUR Qualification : Appointment/ : 16/10/0002 Termination date</p>

6. Date of approval of Mining : 08/04/2010
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
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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.

Outstanding violations under rule 13(1) and 23E(2) of MCDR 1988.

During current inspection violation of rule 45(5)(a) and 45(5)(b) of MCDR 1988 were observed and communicated to the party by violation cum show cause notice vide this office letter dated 15.04.2015.

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.

Recommended for suspension of mining operation for no reply to the show cause notice. The order of suspension was issued to the party vide this office letter dated 16/11/2015. Later on mine was recommended for termination to the State government.

5. Scientific Mining

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

a.Type of prospecting : 06 number of core and exploration i.e. drill hole and 24 pitting, drilling DTH are proposed by the end of scheme period. NIL Mine under suspension since Aug 2010.

B. Working (Rule 13)

d.Total area covered : 14.50 Ha under excavation/pits 7.20 Ha
 c.Ore to waste ratio : 2014-15: 1:1.89 pit wise if possible for Iron and otherwise for mine 1:1.56 for Mn. NIL
 a.Number and size of : each pit (LxWxH) Iron: 130x120x7.45 meter MN: 60x40x4 meter Mine under suspension since Aug 2010.

C. Waste disposal (Rule 13)

d.No.and size of each : 8 waste dump with No of steps/lift/bench Dump- 01: 54x55 meter Dump- 02: 69x73 meter Dump-2A: 90x60 meter Dump- 03: 46x55 meter Dump- 04: 40x136 meter Dump- 05: 49x69 meter Dump- 06: 45x56 meter Dump- 07: 91x93 meter All are existing dumps.
 c.Total area covered : 5.0 Ha under waste dump. 2.5 Ha
 b.Method of dumping : Retreating. whether advancing/retreat No work as mine under suspension since Aug 2010.
 e.Yearly generation : 2014-15: 207700 of waste quantity. CuM NIL
 a.Location of dumps : Dump 08: 400S-1000W Dump 08: 400S-1000W

RESERVE POSITION AS ON 01/04/2014**MANGANESE ORE**

Category	Quantity in Tonnes	Grade
Proved	0	
Probable	1681235	+25% Mn
Possible	881123	+25% Mn
Total	2562358	+25% Mn

IRON ORE		
Category	Quantity in Tonnes	Grade
Proved		
Probable	663606	+58 % Fe
Possible	434118	+58 % Fe
Total	1097724	+58 % Fe

<u>PRODUCTION FOR THE PREVIOUS YEAR</u> <u>2013 - 2014</u>		
Mineral	Production	Unit
IRON ORE	0	TON
MANGANESE 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. : Not applicable as mine under suspension since Aug 2010.

Efforts for improving percentage of recovery of ore. : Not applicable as mine under suspension since Aug 2010.

Mineral Rule 15

Number of benches in ore and waste. : Iron pit:
Ore: 08 Benches
Waste: No Bench

Mn pit:
Ore: 01 Benche
Waste: 01 Bench

Sub/grd mineral/fines (Rule16)

Separate stacking from waste : Near the dump area.

Qty of yearly generation and total qty available during inspection with grade : 2012-13: NIL
2013-14: NIL
2014-15: NIL

Exploration data as on 31/03/ 2014

No. of Boreholes	No. of Pits	No. of Trenches
6		

OVERBURDEN HANDLED DURING PREVIOUS YEAR 2013 - 2014

Utilisation of Sub Grade Mineral and Mineral Rejects

Generated	Utilised	Stacked	(In Ton.)

7. Environment Management - both quantitative and qualitativ**A. Land environment**

- a. Landscape. : Undulated and hilly.
- c. Soil and land use pattern : Land use pattern:
Forest Area: 94.864 Ha
Non-Forest: 34.315 Ha
- Area under mining : 7.2 Ha
overburden dump : 2.5 Ha
Infrastructure : 0.48 Ha
Roads : 1.936 Ha
- e. Forest(flora and fauna) : Flora species like Sal, Mango, Kendu, Mahul, Kusum, Bahada etc. are commonly noticed in the lease area. Fauna like Jackal, cats are observed.
- f. Vegetation : Shrubs, tree and common plants.
- h. Public building, places and monuments (protected, historical), place of worship and places of tourist : No such Public building, places and monuments (protected, historical), place of worship and places of tourist exist.

B Water environment.

- a. Surface water : Kakar Pani Nala is flowing in western side.
- b. Ground water : Not intersected.
- c. Quality of water : Potable

C. Air environment

- a. Noise : No noise pollution has been observed as mine was under suspension.
- b. Air : No Mining operation, hence no adverse impact.
- c. Climatic condition : Sub tropical

D. Socio economic environment

- b. Recommending health and safety. : No Mining operation, hence no adverse impact.
- c. Human settlement : some huttings are observed

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.

Party has not submitted annual return for the year 2013-14.

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.)

Quantity of Iron Ore stocks in the field was found to be very less (30x18x7 cum i.e. 3780 cum) but the quantity of closing stock of 38,607.810 MT reported in Annual returns (Form H1) for the year 2012-13 and monthly return (Form-F1) for the month of March 2014.

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

None

Date :

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines