

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/IRON/KJR/MCDR-61/BBS

Mine code : 30ORI08051

- (i) Name of the Inspecting : **25**) **SHRI IBRAHIM SARIF**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Mrutunjay sahuo, DGM, Mines, Shri P K Naik, Mana
Official with
Designation
- (iv) Date of Inspection : 11/08/2015
- (v) Prev.inspection date : 15/04/2011

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **THAKURANI**
- (b) Category : A Other than Fully Mech.
- (c) Type of Working : Opencast
- (d) Postal address
- State : ORISSA
- District : KEONJHAR
- Village : DALKI SADING SOYABA
- Taluka : BARBIL
- Post office : THAKURANI
- Pin Code :
- FAX No. : 06767-30382
- E-mail :
- Phone : 06767-30382, 30218
- (e) Police Station :
- (f) First opening date : 01/10/1954
2. Address for : AT/PO: THAKURANI
correspondance VIA BARBIL, DIST: KEONJHAR
ORISSA-758035
3. (a) Lease Number : ORI0057
- (b) Lease area : 778.76
- (c) Period of lease : 20
- (d) Date of Expiry : 30/09/1984
4. Mineral worked : MANGANESE ORE Associated
IRON ORE Main

5. Name and Address of the

Lessee : M/S.BPME Ltd
Chartered bank building
Calcutta KOLKATA WEST
BENGAL
Phone:033 2200308
FAX :033 2202776

Owner : M/S.BPME LTD
CHARTEDBANK BUILDING 4 NSC
ROAD KOLKATA-1 KOLKATA WEST
BENGAL
Phone: 033 2200308
FAX : 033 2202776

Agent : Sri.S.K.Panda
C/O.BPME
P.O.Thakurani,Barbil
Keonjhar KEONJHAR ORISSA
Phone: 06767 - 75218,76131,75379
FAX : 06767-75530

Mining Engineer

Name : D. PAL,Full Time
Qualification : DEGREE IN MINING
Appointment/ : 07/10/1996
Termination date

Geologist

Name : S.K.MISHRA,Full Time
Qualification : M.Sc (GEOL)
Appointment/ : 01/12/1988
Termination date

Manager

Name : P.K.PATRA
Qualification : DIPLOMA IN MINING&1st CLASS MINES MGR. C
Appointment/ : 14/07/2000
Termination date

6. Date of approval of Mining : 02/12/2014
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	4	300
Others	18	300
Ministrial	3	300
Supervisory	7	300

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.

There was no outstanding violations. during current inspection no violation was pointed out.

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.

5. Scientific Mining

Items	Proposal	Actual work done	Remarks
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B. Working (Rule 13)

a.Number and size of : 02 nos of Iron
each pit (LxWxH) Quarries
- 29X174Mtrs
- 47X227Mtrs.
02 nos. of Mn
Quarries
- 148X249Mtrs.
- 49X123Mtrs

No mining operation for
want of statutory
clearance.

b.Bench : 10X20Mtrs.
size(LxWxH)length can 3X6Mtrs.
be defined as
regular/irregular

Nil

d.Total area covered : Iron Quarry -
under excavation/pits 5046Sq. Mtrs.

Nil during the year

-10669Sq. Mtrs.
Mn Quarry-36852Sq.
Mtrs.

-6027Sq. Mtrs.

C. Waste disposal (Rule 13)

e.Yearly generation : Iron-63491 cum
of waste quantity. Mn-2780cum

Nil

D. Production

b.Year wise :
production of last
five year.

2014-15-Nil

D. Reserve

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

163,144,845 (Iron)
1325766.847(Mn.)

In Tonnes

RESERVE POSITION AS ON 01/04/2015

IRON ORE		
Category	Quantity in Tonnes	Grade
Proved	163144845	
Probable		
Possible		
Total	163144845	

MANGANESE ORE

Category	Quantity in Tonnes	Grade
Proved	1325766.84	
Probable		
Possible		
Total	1325766.84	

PRODUCTION FOR THE PREVIOUS YEAR 2014 - 2015

Mineral	Production	Unit
IRON ORE	0	TON
MANGANESE ORE	0	TON

6. Conservation of Mineral - both quantitative and qualitative**Mineral Rule 15**

Number of benches in ore and : 3 nos. In Iron ore
waste. : 2 nos. In Mn.ore

Sub/grd mineral/fines (Rule16)

Total area covered for : 4.10 Ha for South block
stacking

Separate stacking from waste : Yes

Exploration data as on 31/03/ 2015

No. of Boreholes	No. of Pits	No. of Trenches
99		

OVERBURDEN HANDLED DURING PREVIOUS YEAR 2014 - 2015**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. : Mining lease area is Hilly terrain consist of both Forest and Non forest land.
- d. Agriculture : No agricultural land within lease area.
- e. Forest(flora and fauna) : The flora species namely, Gambhari,Bandan, Karam, Mundi(common name) and fauna specis House crow,Pigeon, Rat snake, Dhamana, (common name)Toddy cat are found in this area.
- f. Vegetation : sal,teak,mangomahula etc
- h. Public building, places and monuments (protected, historical), placec of worship and places of tourist : There is no public building places and monuments

B Water environment.

- a. Surface water : Seasonal monitoring of water was carried out and the reults are within permissible limit
- c. Quality of water : Potable
- b. Ground water : Monitoring carried out and all parameters are within permissible limit.

C. Air environment

- c. Climatic condition : Sub-tropical climate with temperature varying from 4oC in winter (Dec / Jan) to 44oC in summer (May / June). Average annual rainfall is about 1200mm while June to September is the period with maximum rainfall.
- b. Air : Seasonal monitoring of air is being carried out and results are within permissible limit

D. Socio economic environment

- b. Recommending health and safety. : There is a central hospital having 21 bedded capacity at Thakurani Mines, Thakurani looking after the safety and health of surrounding villagers.

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.

TOP SOIL MANAGEMENT
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.

- a) Production :2014-15 Nil
- b) Cost of operation Nil
- c) Pits mouth value Nil
- d) Reserve 163,144,845 MT (Iron), 1,325,766.847 (Mn.)
- e) Stocks at mines head 84333.810 MT (Iron), 2845.490 MT (Mn.)

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 IBRAHIM SARIF)

Indian Bureau of Mines