

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/IRON-MN/SNG/MCDR-21/BBS

Mine code : 30ORI08091

- (i) Name of the Inspecting : **DEY**) **NARENDRA MOHAN DEY**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 19/07/2014
- (v) Prev.inspection date : 27/09/2011

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **ORAGHAT**
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address
State : ORISSA
District : KEONJHAR
Village : ORAGHAT
Taluka : BONAL
Post office :
Pin Code : 770048
FAX No. :
E-mail :
Phone :
- (e) Police Station :
- (f) First opening date :
2. Address for : VILLAGE:ORAGHAT, P.O. MALDA
correspondance : DIST: SUNDARGARH
ORISSA
3. (a) Lease Number : ORI0661
- (b) Lease area : 25.85
- (c) Period of lease : 20
- (d) Date of Expiry : 05/04/2018
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : S.A.HALIM
 S.A.HALIM ORAGHAT IRON & MN
 MINE, SUNDERGARH DIST.
 ORISSA. SUNDARGARH ORISSA
 Phone:
 FAX :

Owner : S.A.HALIM
 BASTI ROAD, BARBIL KEONJHAR
 KEONJHAR ORISSA
 Phone: 06767-275495
 FAX :

6. Date of approval of Mining : 07/03/2011
 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		
Others	1	

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					
Water supply		3.56		6.74	
Sub total		3.56		6.74	
Infrastructure					
Sub total			3.56		
Training			0.36	1.08	EDUCATION AND TR
Total			3.92	7.82	

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

NO OUTSTANDING VIOLATION

. MINE IS CLOSED SINCE 26.11.2011 BY STATE GOVT. DUE TO WANT OF STATUTORY CLEARANCE .

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, 19888, if recommended.

5. Scientific Mining

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

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

NUMBER OF PIT / QUARRY : MINE IS CLOSED
5 SINCE
QUARRY 1: 75 X 20 X 12 M 26.11.2011 BY
QUARRY 2 : 15 X 10 X 5 M STATE GOVT FOR
QUARRY 3: 20 X 10 X 3 M WANT OF
QUARRY 4 : 57 X 45 X 12 STATUTORY
M CLEARANCE.
QUARRY 5 : 70 X 30 X 3 M

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

HEIGHT : 3 M WIDTH : 4
TO 6 M.

d.Total area covered :
under excavation/pits

1.47 HA

D. Production

b.Year wise :
production of last
five year.

MINE IS CLOSED SINCE
26.11.2011 BY STATE GOVT
FOR WANT OF STATUTORY
CLEARANCE.

D. Reserve

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

RESERVE POSITION AS PER MINE IS CLOSED
LATEST SCHEME OF MINING SINCE
APPROVED ON 24.01.2014 26.11.2011 BY
VALID UPTO EXPIRY OF M L STATE GOVT. FOR
ON 05.04.2018 AND AT THE WANT OF
TIME OF INSPECTION IS AS STATITORY
FOLLOWS: CLEARANCE.
IRON ORE:
PROVED : 9,35,579 TONNE
HAVING GRADE >58 % FE
PROBABLE: 5,54,280 TONNE
HAVING GRADE > 58% FE
POSSIBLE : 3,41,456
TONNE HAVING GRADE > 58
% FE
MANGANESE ORE:
PROVED : 15900 TONNE
HAVING GRADE 20 - 30 %
MN
PROBABLE : 13612 TONNE
HAVING GRADE 20 - 30 %
MN
POSSIBLE : 13530 TONNE
HAVING GRADE 20 - 30 %
MN

RESERVE POSITION AS ON 01/04/2014

IRON ORE

Category	Quantity in Tonnes	Grade
Proved	935579	> 58%
Probable	554270	> 58%
Possible	241456	> 58%
Total	1731305	

PRODUCTION FOR THE PREVIOUS YEAR 2013 - 2014

Mineral	Production	Unit
IRON ORE	0	TON

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

Efforts for improving percentage of recovery of ore. : BY PHYSICALLY BLENDING OF LOW GRADE ORE WITH HIGH GRADE ORE.

Efforts for improving low grade and sub grade mineral. : LOW GRADE / SUB-GRADE ORE WAS SUITABLY BLENDED WITH HIGH GRADE ORE TO MAKE IT MARKETABLE.

Mineral Rule 15

Number of benches in ore and waste. : QUARRY NO.1 : IN ORE : 1, IN OB : 2
 QUARRY NO.2 : IN ORE 1, IN OB : 1
 QUARRY NO.3 : IN ORE 1, IN OB : 1
 QUARRY NO.4 : IN ORE 1, IN OB : 2
 QUARRY NO.5 : IN ORE 1, IN OB : 1

Sub/grd mineral/fines (Rule16)

Separate stacking from waste : THERE WAS NO GENERATION OF SUB-GRADE FROM THE MINE

Exploration data as on 31/03/ 2014

No. of Boreholes	No. of Pits	No. of Trenches
15		

OVERBURDEN HANDLED DURING PREVIOUS YEAR 2013 - 2014

Overburden/waste removed (in m3) :	877
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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. : THE MINING LEASE AREA IS FLAT AND UNDULATED.
- b. Aesthetic environment : THE MINING LEASE AREA WAS DEVELOPED WITH GREEN COVER OF PLANTATION.
- d. Agriculture : NO AGRICULTURAL LAND EXIST INSIDE THE MINING LEASE AREA.
- f. Vegetation : THERE IS NO PROMINANT VEGETATION COVER EXIST IN THE LEASE AREA EXCEPT GREENERY DEVELOPED BY PLANTATION.

B Water environment.

- a. Surface water : THERE IS NO SURFACE WATER CONTAMINATION OBSERVED AS SUCH.

D. Socio economic environment

- c. Human settlement : THE DENSITY OF POPULATION IS LOW.

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.

Season	Station type	<u>Water Management</u>		Value	
		Station name	Parameter	Actual	Excess

Season	Station name	Type of area	Parameter	<u>Air data for excess parameters</u>	
				Actual	Excess

<u>PLANTATION DURING THE PREVIOUS YEAR</u>	<u>2013 - 2014</u>	Area in Hect.
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<u>TOP SOIL MANAGEMENT</u>
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.

ANNUAL RETURN FOR THE YEAR 2013-14 HAS BEEN RECEIVED.

MINE IS CLOSED SINCE 26.11.2011 BY STATE GOVT. FOR WANT OF STATUTORY CLEARANCE.

PRODUCTION : NIL

COST OF OPERATION : NIL

PIT MOUTH VALUE : NIL

CLOSING STOCK : IRON : 18,507.26 TONNE AND MANGANESE : 159.587 TONNE

PART - III : PERFORMANCE OF MINE OWNER

(In case of lease expiring within 2 years - as per guidelines)

a. Compliance of terms and conditions of lease deed.

DATE OF GRANT OF MINING LEASE 06.04.1998 FOR 20 YEARS OVER AN AREA 25.847 HA FOR IRON ORE AND MANGANESE, DATE OF EXPIRY OF M L IS 05.04.2018.
SCHEME OF MINING APPROVED ON 24.01.2014 VALID UPTO 05.04.2018.
BOUNDARY PILLARS ARE NOT CONSTRUCTED AND MAINTAINED AS PER CCOM CIRCULAR NO.02/2010 AND ITS SUBSEQUENT ADDENDUM.

HOWEVER GPS READINGS ARE VARIFIED AND IT IS OBSERVED THAT READINGS ARE ALMOST MATCHING WITH THE READINGS OF DGPS MAP PREPARED BY OSAC DATED 24.04.2012.

b. Compliance of the provisions of MCDR, 88 and advise given.

DURING CURRENT INSPECTION NO VIOLATION WAS POINTED OUT.
MINE IS CLOSED SINCE 26.11.2011 BY STATE GOVT. FOR WANT OF STATUTORY CLEARANCE.

PART - IV : PROPOSALS FOR FURTHER ACTION FOR :

Indian Bureau of Mines (any issue related to CGPB, SGPB, Assistance, Consultancy, Annual Programme and studies, etc.)

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

STATE GOVT IS REQUESTED TO ENSURE FIXING OF BOUNDARY PILLARS AROUND THE MINING LEASE.

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

Date :

(NARENDRA MOHAN DEY)

Indian Bureau of Mines