

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/IRON/KJR/MCDR-16/BBS

Mine code : 30ORI08015

- (i) Name of the Inspecting : **AR**) **SHRI PREM PRAKASH**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sri S.N. Patra, Regional Manager & Agent
Official with
Designation
- (iv) Date of Inspection : 24/07/2015
- (v) Prev.inspection date : 24/06/2014

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **DAITARI**
- (b) Category : A Mechanised
- (c) Type of Working : Opencast
- (d) Postal address
- State : ORISSA
- District : KEONJHAR
- Village : TALAPADA
- Taluka : GHATGAON
- Post office : TALAPADA
- Pin Code : 758026
- FAX No. : 06726-48723
- E-mail :
- Phone : 06726-48722
- (e) Police Station :
- (f) First opening date : 18/02/1967
2. Address for : DAITARI IRON ORE MINE, OMC,
correspondance
3. (a) Lease Number : ORI0085
- (b) Lease area : 1812.99
- (c) Period of lease : 30
- (d) Date of Expiry : 26/01/1996
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : O.M.C.LTD.
 SRI.G.K.DHAL,MD OMC House
 ,P.B.No.34 BHUBANESWAR
 KHURDA ORISSA
 Phone:
 FAX :0674-401629(BBSR),06767-30257

Owner : M/S OMC LTD.
 M/S OMC LTD. OMC HOUSE,
 POST BOX NO. 34
 BHUBANESWAR-751010 KEONJHAR
 ORISSA
 Phone:
 FAX :

Agent : N.C.SAHOO, SR. MANAGER
 C/O.DAITARI MINE, OMC
 JAJPUR DISTRICT,ORISSA
 JAJPUR ORISSA
 Phone:
 FAX : 06726-48723

Mining Engineer

Name : B.B.NAYAK,Full Time
 Qualification : DIGREE IN MINING
 Appointment/ :
 Termination date

Mining Engineer

Name : R.C.SAHU,Full Time
 Qualification : DIPLOMA IN MINING
 Appointment/ :
 Termination date

Mining Engineer

Name : N.C.SAHOO,Full Time
 Qualification : DME(MINING), AMIE.
 Appointment/ : 24/07/2000
 Termination date

Geologist

Name : K.RAY,Full Time
 Qualification : M.SC(GEOLOGY)
 Appointment/ : 28/09/2001
 Termination date

Manager

Name : N.C.SAHOO
 Qualification : DME(MINING), AMIE.
 Appointment/ : 24/07/2000
 Termination date

6. Date of approval of Mining : 08/01/2015
 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		
Workers	35	309
Plant	31	309
Ministrial	26	309
Others	128	309
Supervisory	15	309
Managerial	26	309
CONTRACT		
Plant	12	309
Workers	139	309
Others	161	309
Supervisory	3	309
Ministrial	3	309
Managerial	2	309

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					
Housing		1.85		6.45	Expenditures as
Health	166.00	78.85			
Water supply		23.18		0.79	
Sub total	166.00	103.88		7.24	
Infrastructure					
Roads	952.00		23.19	84.06	
Sub total	952.00		103.88	84.06	
Environment management	35.00	12.80	152.50	5.00	
Others			10.35	30.00	
Recreation	14.00		*****		
Total	*****	12.80	*****	126.30	

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

The mine was last inspected by the RCOM on 03.12.2014, during this inspection Rule 13 (1) of MCDR'88 was found violated and communicated to the lessee vide this office letter of even number dated 8/12/2014 and thereafter a show cause notice issued on 04.02.2015. In respect of above letter/notice, lessee submitted their compliance/replies. After that, the RCOM instructed to inspect the mine and give a report on the progress towards compliance of above violation as reported by the lessee. Subsequently the current inspection of mine is carried out on 24.07.15 and a Note/report regarding compliance of aforesaid violation and work under progress is submitted to the RCOM.

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.

Not being recommended at present.

5. Scientific Mining

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

b.Total area covered	: About 15 ha.	-	
a.Type of prospecting and exploration i.e. pitting, drilling	: 149 Nos. B.Hs	Nil	Due to want of forestry clearance.

B. Working (Rule 13)

b.Bench size(LxWxH)length can be defined as regular/irregular	: Bench of size of about 500 x 20 x 10 m	Bench of size about 500 x 20 x 6 to 10 m approx.	Almost regular
a.Number and size of each pit (LxWxH)	: 650x350x50	650x350x41 approx.	
c.Ore to waste ratio pit wise if possible otherwise for mine	: No waste generation	No waste generation	
d.Total area covered under excavation/pits	: 61.63ha.	About 61.63ha.	

C. Waste disposal (Rule 13)

a.Location of dumps	: N/A	N/A
b.Method of dumping whether advancing/retreat	: N/A	N/A
c.Total area covered under waste dump.	: N/A	N/A
e.Yearly generation of waste quantity.	: N/A	N/A

RESERVE POSITION AS ON 01/04/2015**PRODUCTION FOR THE PREVIOUS YEAR 2014 - 2015**

Mineral	Production	Unit
IRON ORE	1.8	MT

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

Percentage of recovery of ore : 100%
 pitwise w.r.t. ROM and total
 material

Number of benches in ore and : 5 Nos. benches in ore.
 waste.

Sub/grade mineral/fines (Rule 16)

Total area covered for : N/A
 stacking

Number and size of each stack : N/A

Qty of yearly generation and : N/A
 total qty available during
 inspection with grade

Separate stacking from waste : N/A

Location of stacking. : N/A

Exploration data as on 31/03/ 2015

No. of Boreholes

No. of Pits

No. of Trenches

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. : Hilly
- b. Aesthetic environment : Very good
- c. Soil and land use pattern : The soil generation negligible
- d. Agriculture : The agricultural land is not there near to mining area.
- e. Forest(flora and fauna) : Local species
- f. Vegetation : Vegetation is only destroyed at excavation area. in other part of lease Vegetation is well preserved.
- h. Public building, places and monuments (protected, historical), place of worship and places of tourist : Nil

B Water environment.

- a. Surface water : Boulder packed check dams & RCC type check dams are built at places to control water current and suspended solid particles.
- b. Ground water : Not intersected yet by mining.
- c. Quality of water : Water samples were collected and tested by an agency and parameters found to be within the permissible limit during 2014-15.

C. Air environment

- a. Noise : Regular noise monitoring is being carried out by outsource agency M/s EDCL, Bhubaneswar The noise level is within permissible limits.
- b. Air : Monitoring of Ambient air quality is being done regularly. Dust suppression measures like water sprinkling through mobile water tanker & installation of nozzle spray system at hopper are fitted to control dust to arrest dust. Main haul road is black topped on which water sprinkling is being done to suppress dust.
- c. Climatic condition : Daitari area enjoys a humid temperate subtropical climate, summer months are the hottest periods of the year with the mercury rising up to 40°C. The minimum temperature during winter is about winter is about 7°C. Annual rainfall is of the order of 1000 mm-1300mm.

D. Socio economic environment

- a. Social and demographic profile. : There is about 5000 families depending on Mine directly or indirectly. M/s OMCL supports schools in nearby villages. Also provide social infrastructure (tube wells, Solar Lamps, road. Meeting hall.) in the surrounding villages.

- b. Recommending health and safety. : Safety appliances being provided to workers along with training of its usage. Periodical medical examination of workers being done.
- c. Human settlement : About 700 residential quarters with a population of about 2000 persons are residing at Daitari colony, situated outside the lease hold area.
- d. Recreational facility. : As reported, there are 05 clubs in different sectors of Daitari Iron Ore Project colony . Central Cultural Committee provides sports materials and other facilities for improvement of games in every respect.

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.

<u>TOP SOIL MANAGEMENT</u>
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.

Cost of production-----Rs1258.57/MT
Reserve-----184.746 million tonne as on 01/04/2015
Production-----1801704.00MT
Stock-----Total-161552.110MT

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.)

Nil

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

Nil

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

Nil

Date :

(SHRI PREM PRAKASH)

Indian Bureau of Mines