

**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-14/BBS

**Mine code :** 30ORI13015

- (i) Name of the Inspecting : **SQ24** ) **DR. M K SOMANI**  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : A K BEHURA, REPRESENTATIVE  
Official with  
Designation
- (iv) Date of Inspection : 06/06/2013
- (v) Prev.inspection date : 17/08/2010

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **NUAGAON**
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address  
State : ORISSA  
District : SUNDARGARH  
Village : NUAGAON  
Taluka : BONAI  
Post office : KOIRA  
Pin Code :  
FAX No. : NIL  
E-mail : NIL  
Phone : NIL
- (e) Police Station :
- (f) First opening date : 22/07/1985
2. Address for : VILL-NUAGOAN PO-KOIRA  
correspondance : DIST-SUNDERGARH 770048  
ORISSA
3. (a) Lease Number : ORI0152
- (b) Lease area : 12.92
- (c) Period of lease : 20
- (d) Date of Expiry : 06/05/2005
4. Mineral worked : MANGANESE ORE Associated  
IRON ORE Main

## 5. Name and Address of the

Lessee : Sri.S.D.Sharma  
 At/Po.barbil DIST-KEONJHAR  
 KEONJHAR ORISSA  
 Phone:06767-75335  
 FAX :

Owner : S.D.SHARMA  
 AT/PO BARBIL KEONJHAR  
 ORISSA  
 Phone: 30335, 30971  
 FAX :

Agent : T.N.SAHAY  
 C/O S.D.SHARMA AT/PO-BARBIL  
 DIST-KEONJHAR KEONJHAR  
 ORISSA  
 Phone:  
 FAX :

## Mining Engineer

Name : A.K.. SAHOO,Full Time  
 Qualification : AMIE (MINING)  
 Appointment/ : 07/01/2002  
 Termination date

## Mining Engineer

Name : MD. SADRE ALAM,Full Time  
 Qualification : B TECH MINING  
 Appointment/ : 28/12/2001  
 Termination date

## Geologist

Name : DR. M. SINGH,Full Time  
 Qualification : MSC PHD GEOLOGY  
 Appointment/ : 01/02/2000  
 Termination date

## Manager

Name : P.K.MOHANTY  
 Qualification : BSC,MINES FOREMAN,PERMIT MANAGER  
 Appointment/ :  
 Termination date

6. Date of approval of Mining : 17/09/2010  
 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
<b>DIRECT</b>		
Managerial	0	0
Workers	0	0

**Supervisory**

**0**

**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	
<b>General</b>					
Medical facility				5.52	
Water supply				9.06	
<b>Sub total</b>				<b>14.58</b>	
<b>Infrastructure</b>					
Public transport				13.28	
<b>Sub total</b>				<b>13.28</b>	
<b>Sports activities</b>				<b>1.61</b>	
<b>Training</b>				<b>4.32</b>	
<b>Others</b>				<b>13.24</b>	PDS IN SUNDERGAR
<b>Total</b>				<b>47.03</b>	

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

VIOLATION OF RULE 24, 45(1) (b) ARE BEING ISSUED.

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 RECOMMENDED

**5. Scientific Mining**

Items	Proposal	Actual work done	Remarks
<b>A. Exploration (Rule 13)</b>			
a.Type of prospecting : BORE HOLES - 6 and exploration i.e. pitting, drilling		NIL , AS THE MINE IS NOT WORKING SINCE SEPT. 2009 FOR WANT OF STATUTORY CLEARANCES.	
b.Total area covered : NOT SPECIFIED		NIL , AS THE MINE IS NOT WORKING SINCE SEPT. 2009 FOR WANT OF STATUTORY CLEARANCES.	
<b>B. Working (Rule 13)</b>			
a.Number and size of : each pit (LxWxH)		NIL , AS THE MINE IS NOT WORKING SINCE SEPT. 2009 FOR WANT OF STATUTORY CLEARANCES.	
b.Bench : 5X6M size(LxWxH)length can be defined as regular/irregular		NIL , AS THE MINE IS NOT WORKING SINCE SEPT. 2009 FOR WANT OF STATUTORY CLEARANCES.	
c.Ore to waste ratio : 1:1 pit wise if possible otherwise for mine		NIL , AS THE MINE IS NOT WORKING SINCE SEPT. 2009 FOR WANT OF STATUTORY CLEARANCES.	
d.Total area covered : NOT SPECIFIED under excavation/pits		NIL , AS THE MINE IS NOT WORKING SINCE SEPT. 2009 FOR WANT OF STATUTORY CLEARANCES.	
<b>C. Waste disposal (Rule 13)</b>			
a.Location of dumps : SOUTHERN PART OF THE AREA.		NIL , AS THE MINE IS NOT WORKING SINCE SEPT. 2009 FOR WANT OF STATUTORY CLEARANCES.	
e.Yearly generation : 38820CUM of waste quantity.		NIL , AS THE MINE IS NOT WORKING SINCE SEPT. 2009 FOR WANT OF STATUTORY CLEARANCES.	
b.Method of dumping : ADVANCING whether advancing/retreat		NIL , AS THE MINE IS NOT WORKING SINCE SEPT. 2009 FOR WANT OF STATUTORY CLEARANCES.	
c.Total area covered : NOT SPECIFIED under waste dump.		NIL , AS THE MINE IS NOT WORKING SINCE SEPT. 2009 FOR WANT OF STATUTORY CLEARANCES.	
d.No.and size of each : ONE IN THREE waste dump with No of TERRACES steps/lift/bench		NIL , AS THE MINE IS NOT WORKING SINCE SEPT. 2009 FOR WANT OF STATUTORY CLEARANCES.	

**D. Production**

b.Year wise	: YEAR	PROPOSAL	YEAR	ACTUAL
production of last	7-8		7-8	53673
five year.	192000		8-9	3586
			9-10	0
	8-9		10-11	0
	19200		11-12	0
			12-13	0
	9-10	204000		
	10-11	97450		
	11-12	121075		
	12-13	157575		

**D. Reserve**

a.Reserve position as :	CODE	IRON TONNES
per latest MP/MS and		MANGNESE TONNES
at the time of	111	716366
inspection.		185667
	121	319800
		83683
	221	322365
		20630
	222	105975
		9298

**RESERVE POSITION AS ON 01/04/2013**

<b>MANGANESE ORE</b>		
Category	Quantity in Tonnes	Grade
Proved	185667	+20%Mn
Probable	83683	+20%Mn
Possible	29928	+20%Mn
Total	299278	+20%Mn
<b>IRON ORE</b>		
Category	Quantity in Tonnes	Grade
Proved	716366	+58%Fe
Probable	319800	+58%Fe
Possible	428340	+58%Fe
Total	1464506	+58%Fe
<b><u>PRODUCTION FOR THE PREVIOUS YEAR 2012 - 2013</u></b>		
Mineral	Production	Unit
MANGANESE ORE	0	TON
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. : SORTING

Efforts for improving percentage of recovery of ore. : SORTING

**Mineral Rule 15**

Percentage of recovery of ore : 50% FE  
pitwise w.r.t. ROM and total material : 20%MN

Number of benches in ore and waste. : WASTE NONE,  
ORE TWO TO SIX.

**Sub/grd mineral/fines (Rule16)**

Qty of yearly generation and total qty available during inspection with grade : APPROX 10000T OF 45-58%FE

Number and size of each stack : TWO, 50X10M AND 60X35M

Location of stacking. : EASTERN PART OF THE AREA

Separate stacking from waste : YES

Total area covered for stacking : 2600SQM

**Exploration data as on 31/03/ 2013**

No. of Boreholes	No. of Pits	No. of Trenches
5		

**OVERBURDEN HANDLED DURING PREVIOUS YEAR 2012 - 2013**

Overburden/waste removed (in m3) :	0
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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. : GOOD
- b. Aesthetic environment : GOOD
- c. Soil and land use : NO TOP SOIL,  
pattern PIT 4.753HA  
DUMP 2.443HA  
ROAD .988HA  
INFRASTRUCTURE .433HA  
STACK .454HA
- d. Agriculture : NONE
- e. Forest(flora and fauna) : ENTIRE AREA IS VILLAGE FOREST AREA
- f. Vegetation : BUSHES
- h. Public building, places : NONE  
and monuments (protected,  
historical), placec of  
worship and places of  
tourist

**B Water environment.**

- a. Surface water : NONE
- b. Ground water : NOT MONITORED, AS THE MINE IS NOT WORKING SINCE SEPT.  
2009 FOR WANT OF STATUTORY CLEARENCEES.
- c. Quality of water : NOT MONITORED, AS THE MINE IS NOT WORKING SINCE SEPT.  
2009 FOR WANT OF STATUTORY CLEARENCEES.

**C. Air environment**

- a. Noise : NOT MONITORED, AS THE MINE IS NOT WORKING SINCE SEPT.  
2009 FOR WANT OF STATUTORY CLEARENCEES.
- b. Air : NOT MONITORED, AS THE MINE IS NOT WORKING SINCE SEPT.  
2009 FOR WANT OF STATUTORY CLEARENCEES.
- c. Climatic condition : TROPICAL

**D. Socio economic environment**

- a. Social and demographic : LOCAL LABOURS  
profile.
- b. Recommending health and : FREE MEDICAL CAMPS ARE ORGANISED.  
safety.
- c. Human settlement : NONE
- d. Recreational facility. : NONE

**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	Water Management		Value	
		Station name	Parameter	Actual	Excess

**Air data for excess parameters**



Season	Station name	Type of area	Parameter	Value	
				Actual	Excess

<u>PLANTATION DURING THE PREVIOUS YEAR</u>			<u>2012 - 2013</u>			Area in Hect.
Within lease area			Outside lease area			
Area	Trees planted	Survival rate	Area	Trees planted	Survival rate	
.13	500					

<b>TOP SOIL MANAGEMENT</b>	
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.

NOT SUBMITTED

**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