

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/BXT/SNG/SNG/MCDR-1/BBS

Mine code : 07ORI13006

- (i) Name of the Inspecting : 25) SHRI IBRAHIM SARIF
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Rakesh Kumar, Mines Manager, Shri Abhijit Sen, C
Official with
Designation
- (iv) Date of Inspection : 24/11/2015
- (v) Prev.inspection date : 23/07/2006

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : KAMANDO
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address
- State : ORISSA
- District : SUNDARGARH
- Village : KAMANDO
- Taluka : BONAI
- Post office : KOIRA
- Pin Code : 770048
- FAX No. :
- E-mail :
- Phone : 505418
- (e) Police Station :
- (f) First opening date : 24/08/1989
2. Address for : VILL:KUSUMDIH
correspondance POST: KOIRA
DIST: SUNDERGARH, PIN: 770048
3. (a) Lease Number : ORI0231
- (b) Lease area : 43.07
- (c) Period of lease : 20
- (d) Date of Expiry : 25/02/2005
4. Mineral worked : BAUXITE Main

5. Name and Address of the

Lessee : U.C.MISHRA
 AT/PO:BIRAPURASATAMPUR POA:
 MD. ANWAR ANAND BHAWANLANE,
 ROURKEL PURI ORISSA
 Phone:0661-505418
 FAX :

Owner : U.C.MISHRA
 AT/PO.BIRAPURASATAMPUR PS:
 PIPILI PURI ORISSA
 Phone:
 FAX :

Manager Name : M.C.MAHAKUD Qualification : DME(MINING) Appointment/ Termination date
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6. Date of approval of Mining : 20/06/2014
 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
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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.

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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A. Exploration (Rule 13)

a.Type of prospecting : 05 nos.
and exploration i.e.
pitting, drilling Nil

B. Working (Rule 13)

b.Bench : H-3m-7m
size(LxWxH)length can
be defined as W . 3m-7m
regular/irregular

c.Ore to waste ratio : 1: 0.94 Nil
pit wise if possible
otherwise for mine

a.Number and size of : 240mX180mX29m Mining operations
each pit (LxWxH) suspended for want of
statutory clearances.

d.Total area covered : 10.335 Ha
under excavation/pits

C. Waste disposal (Rule 13)

a.Location of dumps : Dump at N-180 to N Same as above
300 &
E-500 to E-610

d.No.and size of each : Dump -extension of Nil
waste dump with No of 1 no. of terraces
steps/lift/bench TRL-630
BRL-590

D. Production

b.Year wise : 2014-15: 40014 T 2014-15: Nil
production of last
five year.

D. Reserve

a.Reserve position as : Proved Reserves - 445197
per latest MP/MS and MT ,
at the time of Probable Reserves-
inspection. 21756 , with 30% Al2O3

RESERVE POSITION AS ON 01/04/2015

BAUXITE		
Category	Quantity in Tonnes	Grade
Proved	445197	+40% Al2O3
Probable	21756	+30% Al2O3
Possible		
Total	466953	

PRODUCTION FOR THE PREVIOUS YEAR 2014 - 2015

Mineral	Production	Unit
BAUXITE	0	TON

6. Conservation of Mineral - both quantitative and qualitative**Sub/grd mineral/fines (Rule16)**

Qty of yearly generation and : About 100 Tonnes of Bauxite ore is found stacked in
total qty available during the lease area.
inspection with grade About 50tonnes of Manganese ore is found stacked in
the lease area

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**GeneratedUtilisedStacked

(In Ton.)

7. Environment Management - both quantitative and qualitativ

A. Land environment

- a. Landscape. : The area consists of undulating topography land with few hillocks with highest contour at 628 MRL and lowest at 566
- b. Aesthetic environment : The total area consist of both forest and non forest land
- c. Soil and land use pattern : Out of total area of 43.067 Ha, the 13.914 ha area is excavated for mining activities:
Quarry-10.335 Ha, Dump- 1.863 Ha, Mineral Storage-1.416, Roads- 0.3 Ha
- d. Agriculture : No Agricultural land in the lease area

B Water environment.

- a. Surface water : The nearest surface water is Karo River which flows on the South side of the lease area and is about 4.5 KM from the lease area
- b. Ground water : No ground water is encountered due to mining operation. Source of ground water are dug well and tube well
- c. Quality of water : Potable

C. Air environment

- c. Climatic condition : Summer is very hot and dry. Temperature in May is above 450 C and winter is very cold falls down to 4.80C in the month of December

D. Socio economic environment

- a. Social and demographic profile. : Main village are Kusumdihi has the highest population 678 followed by Kuala 638. Agricultural activity was the main source of income now due change in mining sector most of the people are employed in mining.
- b. Recommending health and safety. : Free health check up camps is organized by the party for the nearby villagers
- c. Human settlement : The area is thinly populated average density of population is less than 1 per hectare.

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

- (1) Cost of operation : Nil
- (2) Reserve ; Proved - 445197 MT , Probable - 21756 , with 30% Al2O3
- (3) Production ; Nil
- (4) Pit's Mouth Value; Nil
- (5) Stock ; 3582 (below 40% Al2O3), 5470.17 (40-45% Al2O3)
- (5) Land use pattern
 - 13.914 ha area is excavated for mining activities:
 - Quarry-10.335 Ha, Dump- 1.863 Ha,
 - Mineral Storage-1.416, Roads- 0.3 Ha
- (7) Fixed assets; 197.07 Crores

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.)

Safety Zone area is found disturbed by forming benches in between ML pillar no.12, 13 up to ML pillar no.14.

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

None

Date :

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines