

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/BXT/KPT/MCDR-2/BBS

Mine code : 07ORI09003

- (i) Name of the Inspecting : **25**) **SHRI IBRAHIM SARIF**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Pratap Kumar Patra, AGM, Shri Pradumnya Dass, Ge
Official with
Designation
- (iv) Date of Inspection : 21/05/2015
- (v) Prev.inspection date : 29/01/2014

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MALIPARBAT (268.11 HA)**
- (b) Category : A Fully Mechanised
- (c) Type of Working : Opencast
- (d) Postal address
State : ORISSA
District : KORAPUT
Village : POTTANGI
Taluka : ALIGAON KANKARAMBA
Post office :
Pin Code :
FAX No. :
E-mail :
Phone :
- (e) Police Station :
- (f) First opening date : 15/06/2008
2. Address for : VILL- KAKADAMBA,ALIGAON
correspondance PO-POTANGI
DIST-KORAPUT
3. (a) Lease Number : ORI0793
(b) Lease area : 268.11
(c) Period of lease : 20
(d) Date of Expiry : 13/11/2027
4. Mineral worked : BAUXITE Main

Owner : M/S HINDALCO INDUSTRIES LTD
 J-6 JAYADEV VIHAR
 BHUBANESWAR -13 KHURDA
 ORISSA
 Phone:
 FAX :

Mining Engineer

Name : B.R.PADHI, Full Time

Qualification : BE MINING

Appointment/ :

Termination date

6. Date of approval of Mining : 15/03/2013
 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	5	
Managerial	2	

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.

No outstanding violations. during current inspection no violations were observed as the mine is not in operation due to social problem in the area.

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
-------	----------	------------------	---------

B. Working (Rule 13)

a.Number and size of : 700m x 68m each pit (LxWxH)	250m x 68m	No mining operation due to local problem.
d.Total area covered : 24.9 Ha under excavation/pits	1.7 Ha	

C. Waste disposal (Rule 13)

c.Total area covered : 6.5 Ha under waste dump.	1.42 Ha
--	---------

D. Production

b.Year wise : production of last five year.	2014-15 : Nil	Mine is not in operation due to local problem
---	---------------	--

D. Reserve

a.Reserve position as : per latest MP/MS and at the time of inspection.	111 : - 2.383 Million Tones 121 & 122 :- 8.241 Million Tones 221 :- 0.009 Million Tones 222 :- 0.211 Million Tones 333 :- 4.222 Million Tones
--	--

RESERVE POSITION AS ON 01/04/2015

BAUXITE		
Category	Quantity in Tonnes	Grade
Proved	2383000	46.01% Al2O3
Probable	8241000	46.01% Al2O3
Possible	4442000	+30%Al2O3
Total	15066000	

PRODUCTION FOR THE PREVIOUS YEAR 2014 - 2015

Mineral	Production	Unit
BAUXITE	0	TON

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

Number of benches in ore and waste. : Ore -1 bench,
Waste -1 bench

Sub/grd mineral/fines (Rule16)

Total area covered for stacking : Less than 1.0 Ha

Separate stacking from waste : Yes, within lease area

Exploration data as on 31/03/ 2015

No. of Boreholes	No. of Pits	No. of Trenches
9		

OVERBURDEN HANDLED DURING PREVIOUS YEAR 2014 - 2015

Overburden/waste removed (in m3) : 0

Utilisation of Sub Grade Mineral and Mineral Rejects

<u>Generated</u>	<u>Utilised</u>	<u>Stacked</u>	(In Ton.)

7. Environment Management - both quantitative and qualitativ

A. Land environment

- a. Landscape. : Lease area is over platue top
- c. Soil and land use pattern : Top soil excavated from advancing face of mining is kept seperately for future use and will be used for spreading on backfilled area for plantation.
- d. Agriculture : No agricultural activities exist within lease area
- e. Forest(flora and fauna) : The original platue top is mostly barren except some growth of Phoenix acaulis (a dwarf shrub) and seasonal grasses.

B Water environment.

- a. Surface water : Due to trench method of mining, rain water from the mining area does not flow down directly to the valley slopes rather percolates in the mining pits recharging the ground water. Rain water from other areas is diverted to natural water courses through garland drains.
- c. Quality of water : Potable
- b. Ground water : As per the data study, in the mining area, the ground water is available below 80 to 100 mts from the surface of the plateau top where present mining activities are going on. The mining activities are confined upto a depth of 30 mt., so the mining activity does not interfere with the ground water table.

C. Air environment

- c. Climatic condition : The climatic condition like rainfall, temperature etc are being monitored regularly.

D. Socio economic environment

- a. Social and demographic profile. : There are no villages or any habitation on the plateau top and on the slopes of Panchpatmali hill. A few villages are found in the adjacent valleys .

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.

- (1) Cost of operation : Nil
- (2) Reserve 111 : - 2.383 Million Tones
 121 & 122 :- 8.241 Million Tones
 221 :- 0.009 Million Tones
 222 :- 0.211 Million Tones
 333 :- 4.222 Million Tones
- (3) Production : Nil
- (4) Pit's Mouth Value : Nil
- (5) Land use pattern
- | | |
|------------------------|---------|
| Area under o/c working | 1.7 Ha |
| Waste disposal | 1.42 Ha |
| Sub grade Stock:- | 0.37 Ha |
| Road | 0.5 Ha |

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