

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/BXT/SNG/MCDR-3/BBS

Mine code : 07ORI13004

- (i) Name of the Inspecting : **SQ24**) **DR. M K SOMANI**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : SH. P R MISHRA, GEOLOGIST.
Official with
Designation
- (iv) Date of Inspection : 10/06/2013
- (v) Prev.inspection date : 31/08/2011

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **TANTRA**
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address
State : ORISSA
District : SUNDARGARH
Village : TANTRA
Taluka : BONAI
Post office : TENSA
Pin Code :
FAX No. :
E-mail :
Phone :
- (e) Police Station :
- (f) First opening date : 01/12/1992
2. Address for : VILL-TANTRA
correspondance PO-KOIRA
DIST-SUNDERGARH
3. (a) Lease Number : ORI0229
(b) Lease area : 106.14
(c) Period of lease : 20
(d) Date of Expiry : 07/07/2011
4. Mineral worked : BAUXITE Main

5. Name and Address of the
 Lessee : PRABHUDAYAL AGARWAL
 DUMABAHAL-SIPUKACHAR PO:
 LEPHRIPADA SUNDERGARH DIST,
 ORISSA SUNDARGARH ORISSA
 Phone:
 FAX :
- Owner : PRABHUDAYAL AGARWAL
 BALURAM NAURANGLAL HOUSE
 CHOTI SADAK, SAMBALPUR
 SAMBALPUR ORISSA
 Phone: 0663-2532609/ 2
 FAX : 91-0663-404000
6. Date of approval of Mining : 22/11/2010
 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
DIRECT		
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	
General					
Infrastructure					
	Sub total				
	Sub total				
	Total				

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

VIOLETION OF RULE 45 (1) (B) HAS BEEN POINTED OUT ON 05.07.2013.

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.

NOT RECOMMENDED

5. Scientific Mining

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

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

Nil, THE MINE IS NOT
WORKING FOR WANT OF
STATUTORY CLEARENES.

b.Total area covered : NIL

THE MINE IS NOT WORKING
FOR WANT OF STATUTORY
CLEARENES.

B. Working (Rule 13)

a.Number and size of : 305m x 59m x 47M
each pit (LxWxH)

140X45X4M

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

regular

c.Ore to waste ratio : 1:0.12
pit wise if possible
otherwise for mine

THE MINE IS NOT WORKING
FOR WANT OF STATUTORY
CLEARENES.

d.Total area covered : 1.7995Ha
under excavation/pits

0.66Ha

C. Waste disposal (Rule 13)

a.Location of dumps : Northern west

Northern west

e.Yearly generation : 87840 Cu.m
of waste quantity.

NIL

b.Method of dumping : retreat
whether
advancing/retreat

THE MINE IS NOT WORKING
FOR WANT OF STATUTORY
CLEARENES.

c.Total area covered : 3.337Ha
under waste dump.

0.06Ha

d.No.and size of each : 1 /3 step
waste dump with No of
steps/lift/bench

NIL

D. Production

b.Year wise : 12-13 676368MT
production of last
five year.

Nil. THE MINE IS NOT
WORKING FOR WANT OF
STATUTORY CLEARENES
SINCE 08.07.2011 .

D. Reserve

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

Probable

Possible
Total
Qty. t Grade
Qty. t Grade
Qty. t Grade

16334786.93 40% A12
 O3 4209985.6 40% A12 O3
 20544772.5 40% A12
 O3

RESERVE POSITION AS ON 01/04/2013

BAUXITE		
Category	Quantity in Tonnes	Grade
Proved		
Probable	16334786.93	40% A12 O3
Possible	4209985.6	40% A12 O3
Total	20544772.53	40% A12 O3

PRODUCTION FOR THE PREVIOUS YEAR 2012 - 2013

Mineral	Production	Unit
BAUXITE	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 pitwise w.r.t. ROM and total material : 45%

Number of benches in ore and waste. : One bench in ore
One bench in O. B.

Sub/grd mineral/fines (Rule16)

Qty of yearly generation and total qty available during inspection with grade : Nil, 522.2cu.m generated in 2011-12

Number and size of each stack : 1STACK OF 58m x 41 m

Location of stacking. : North west of the lease area

Separate stacking from waste : YES

Total area covered for stacking : 0.237Ha.

Exploration data as on 31/03/ 2013

No. of Boreholes	No. of Pits	No. of Trenches
11		

OVERBURDEN HANDLED DURING PREVIOUS YEAR 2012 - 2013

Overburden/waste removed (in m3) : 0

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 : Degraded land by dump 0.08
pattern : Degraded land by pit in forest 0.66
Degraded land by dump in forest 0.08
- d. Agriculture : NONE
- e. Forest (flora and fauna) :
- f. Vegetation :
- h. Public building, places : NONE
and monuments (protected,
historical), place of
worship and places of
tourist

B Water environment.

- a. Surface water : MONITORING Not done due to temporary closer of the
mines since 08.07.2011 due to want of EC.
- c. Quality of water : MONITORING Not done due to temporary closer of the
mines since 08.07.2011 due to want of EC.
- b. Ground water : MONITORING Not done due to temporary closer of the
mines since 08.07.2011 due to want of EC.

C. Air environment

- a. Noise : MONITORING Not done due to temporary closer of the
mines since 08.07.2011 due to want of EC.
- b. Air : MONITORING Not done due to temporary closer of the
mines since 08.07.2011 due to want of EC.
- c. Climatic condition : TROPICAL

D. Socio economic environment

- a. Social and demographic : No human settlement within the 500m of the ML area
profile.
- b. Recommending health and : Primary health care is available nearby village.
safety.

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

PLANTATION DURING THE PREVIOUS YEAR 2012 - 2013

Area in Hect.

TOP SOIL MANAGEMENT

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