

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/IRON/SNG/MCDR-13/BBS

Mine code : 300RI13025

- (i) Name of the Inspecting : **AR**) **SHRI PREM PRAKASH**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri C.S. Mishra (Mines Manager)
Official with
Designation
- (iv) Date of Inspection : 18/04/2015
- (v) Prev.inspection date : 16/08/2014

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **TANTRA**
- (b) Category : A Other than Fully Mech.
- (c) Type of Working : Opencast
- (d) Postal address
State : ORISSA
District : SUNDARGARH
Village : TANTRA
Taluka : BONAI
Post office : TENSA
Pin Code : 770042
FAX No. :
E-mail :
Phone : 95-6625-236480
- (e) Police Station :
- (f) First opening date : 01/09/1986
2. Address for : AT/PO-KOIRA
correspondance DIST- SUNDERGARH
ORISSA-770042
3. (a) Lease Number : ORI0132
(b) Lease area : 72.56
(c) Period of lease : 20
(d) Date of Expiry : 21/11/2005
4. Mineral worked : BAUXITE Associated
IRON ORE Main

5. Name and Address of the

Lessee : KAVITA AGARWAL
 MINE OWNER 205,A,RASHBEHARI
 AVENUE BALLYGANGUE KOLKATA
 WEST BENGAL
 Phone:2484033,2434177
 FAX :91-33-4405798

Owner : SMT KAVITA AGRAWALA
 205A,RASHBEHARI AVENUE
 BALLYGANGUE,CALCUTTA
 KOLKATA WEST BENGAL
 Phone: 2484033, 243417
 FAX : 91-33-4405798

Agent : P.R.GOENKA
 KOLKATA WEST BENGAL
 Phone: 033-2390895
 FAX : 033-6582376

Mining Engineer

Name : A. BARAT,Part Time
 Qualification : B.E. (MINING)
 Appointment/ :
 Termination date

Mining Engineer

Name : A.K.MOHAPATRA,Full Time
 Qualification : BE (MINING)
 Appointment/ :
 Termination date

6. Date of approval of Mining : 03/03/2010
 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	2	194
Supervisory	2	194
Ministrial	3	194
Workers	9	194
CONTRACT		
Ministrial	3	194
Workers	58	194

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					
Sanitation	5.00	5.60	5.00		As reported by M during inspectio
Health	2.00	2.00	2.00		
Sub total	7.00	7.60	7.00		
Infrastructure					
Roads	1.00	1.00	1.00		
Sub total	1.00	1.00	7.60		
Recreation	0.50	0.50	0.50		
Training	0.80	0.80	0.80		not verified.
Environment management	1.00	1.00	1.20	0.05	
Employment	1.50	1.50	1.50	0.20	
Total	11.80	11.80	12.60	0.25	

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

no outstanding violation.

During current inspection, violation of Rule 13(1), 42 & 45(7) were observed and being communicated to the party.

If the mine ever prosecuted then date of last judgement with rules for which prosecution launched

Date of Decision : 07/08/2007 Result : Compounded Details :

Fine imposed/Compounding fees collected: 7000 Rules : Rule 11(1)

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 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 10 Ha. about 10 Ha.
a.Type of prospecting : 10 BHs 10 BHs
and exploration i.e.
pitting, drilling

B. Working (Rule 13)

b.Bench : HxW : 6 x 9 HxW : 6 x 9 appr regular
size(LxWxH)length can
be defined as
regular/irregular
a.Number and size of : one pit one pit
each pit (LxWxH)
c.Ore to waste ratio : 1:0 1:0
pit wise if possible
otherwise for mine
d.Total area covered : Not specified for about 5 ha. cumulative
under excavation/pits a year

C. Waste disposal (Rule 13)

a.Location of dumps : NA NA
b.Method of dumping : NA NA
whether
advancing/retreat
c.Total area covered : NA NA old waste dump
under waste dump. became SG dumps
due change in
threshold value
to 45%fe.
e.Yearly generation : Nil Nil
of waste quantity.

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

Mineral	Production	Unit
IRON ORE	114000	TON
BAUXITE	0	TON

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

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

Number of benches in ore and : Ore-10, waste-1.
waste.

Sub/grd mineral/fines (Rule16)

Location of stacking. : western side of quarry

Total area covered for : 3.5 ha. approx.
stacking

Separate stacking from waste : yes

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 & undulating
- b. Aesthetic environment : satisfactory
- c. Soil and land use pattern : top soil generation negligible.
- d. Agriculture : There is no agriculture land nearby.
- e. Forest(flora and fauna) : local common species
- f. Vegetation : Only destroyed in excavation area.
- h. Public building, places and monuments (protected, historical), places of worship and places of tourist : Nil

B Water environment.

- a. Surface water : periodical monitoring being carried out, parameters/reults were within the permissible limit.
- b. Ground water : not intersected yet by mining.
- c. Quality of water : periodical monitoring being carried out, parameters/reults were within the permissible limit.

C. Air environment

- a. Noise : periodical monitoring being carried out, parameters/reults were within the permissible limit.
- b. Air : periodical monitoring being carried out, parameters/reults were within the permissible limit.
- c. Climatic condition : Sub-tropical, Temperature 5° C - 45° C
Annual rainfall 1100mm - 1450mm

D. Socio economic environment

- a. Social and demographic profile. : locals are mostly tribble people dependent mainly to mining activities.
- b. Recommending health and safety. : reportedly Periodical Medical Examination (PME) has been carried out as per norms.
- c. Human settlement : not within lease area.
- d. Recreational facility. : Not observed provided.

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.

Water Management					Value	
Season	Station type	Station name	Parameter		Actual	Excess
Air data for excess parameters					Value	
Season	Station name	Type of area	Parameter		Actual	Excess

<u>PLANTATION DURING THE PREVIOUS YEAR</u>	<u>2014 - 2015</u>
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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.

Annual return for the year 2014-15 is not submitted yet; due date of submission is upto 1st july.

Scrutiny of annual return for the year 2013-14 was carried out, discrepancies observed are being communicated to the party thr' violation letter.

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.)

Copy of violation letter being indorsed to the Director of mines, Odisha.

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

None

Date :

(SHRI PREM PRAKASH)

Indian Bureau of Mines