

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

MCDR INSPECTION REPORT

Goa regional office

Mine file No : KAR/BGK/Fe-10

Mine code : 30KAR26001

- (i) Name of the Inspecting : **G001**) **GUMNA RAM**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri Gangadhar, Lessee Rep.
Official with
Designation
- (iv) Date of Inspection : 14/10/2015
- (v) Prev.inspection date : 15/10/2013

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **AMINAGAD ARIHANT MINERALS**
- (b) Category : A Other than Fully Mech.
- (c) Type of Working : Opencast
- (d) Postal address
State : KARNATAKA
District : BAGALKOT
Village :
Taluka :
Post office :
Pin Code :
FAX No. : 08351-270207
E-mail : arihantminerals79@yahoo.co
Phone : 08351-270207
- (e) Police Station : AMINGAD
- (f) First opening date : 28/06/2010
2. Address for : Behind Ayurvedic Hospital, ILKAL
correspondance Taluka-Hunagundi, Dist- Bagalkot
Karnataka-587125
3. (a) Lease Number :
(b) Lease area :
(c) Period of lease :
(d) Date of Expiry :
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : RAVI SANGAPPA SARDESAI
 EXTENSION AREA BAGALKOT
 BAGALKOT KARNATAKA
 Phone:9448090383
 FAX :

Owner : RAVI SANGAPPA SARDESAI
 BAGALKOT KARNATAKA
 Phone:
 FAX :

Mining Engineer

Name : Shri Bharamappa Kudrihal, Full Time
 Qualification : BE Mining
 Appointment/ : 01/09/2014
 Termination date

6. Date of approval of Mining : 18/05/2015
 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	1	220
Ministrial	1	220
Workers	13	220
Supervisory	1	220

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					
Housing	0.00	0.00	0.00	0.00	
Water supply	0.00	0.00	0.00	0.00	
Safety	0.00	0.00	0.00	0.00	
Health	0.00	0.00	0.00	0.00	
Sanitation	0.00	0.00	0.00	0.00	
Medical facility	0.00	0.00	0.00	0.00	
Sub total	0.00	0.00	0.00	0.00	
Infrastructure					
Public transport	0.00	0.00	0.00	0.00	
Roads	0.00	0.00	0.00	0.00	
Communication	0.00	0.00	0.00	0.00	
Electricity	0.00	0.00	0.00	0.00	
Sub total	0.00	0.00	0.00	0.00	
Training	0.00	0.00	0.00	0.00	
Recreation	0.00	0.00	0.00	0.00	
Sports activities	0.00	0.00	0.00	0.00	
Environment management	0.00	0.00	0.00	0.00	
Others	0.00	0.00	0.00	0.00	
Employment	0.00	0.00	0.00	0.00	
Total	0.00	0.00	0.00	0.00	

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

Date of inspection Violation pointed out Compliance status
15/10/2013 13(1),42(1)(c)(ii), complied

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.

No such suspension of mining operations under rule 13(2) or prohibition of deployment of any person under rule 56 of MCDR, 1988 is recommended presently.

5. Scientific Mining

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

a.Type of prospecting and exploration i.e. pitting, drilling	: There is float ore & It was proposed to made the 10trial pits as earmarked in plate no.4 in previous plan period.	The lessee has been carried out the 11 number of trial pits of 3mx3mx4m each as exploration in the year 2014-15.	
b.Total area covered	: NA	The lease area of mine small & below 5Ha. & almost lessee covered the entire lease area for exploration by trial pits.	

B. Working (Rule 13)

a.Number and size of each pit (LxWxH)	: It was proposed to work for the year in previous plan period as earmarked in plate no.5	The lessee has been deviated from proposal in previous plan period & accordingly incorporated & modified deviation in AMS.Presently mine workings discontinued due to want of EC & under process. Two small pits merged & existed single pit of about 275mx25-40mx4-5m.(Total excavated area is about 0.90Ha.)	
b.Bench size(LxWxH)length can be defined as regular/irregular	: Regular	Regular	
c.Ore to waste ratio pit wise if possible otherwise for mine	: 1:0.11	
d.Total area covered under excavation/pits	: -	Single pit of variable dimension & Total excavated area is about 0.90Ha	

C. Waste disposal (Rule 13)

a.Location of dumps	: NW of lease area	NW of lease area	
e.Yearly generation of waste quantity.	: 6926m2	About 2000m2	
b.Method of dumping whether advancing/retreat	: NA	NIL	

c.Total area covered : Not specifically 0.02Ha./ embankment work
under waste dump. proposed in done.
previous plan
period.

d.No.and size of each : Single Single
waste dump with No of
steps/lift/bench

D. Production

b.Year wise : 2011-12=33,333T 2011-12=29,500T
production of last 2012-13=33,333T 2012-13=29,200T
five year. 2013-14=33,333T 2013-14=30,000T
2014-15=33,333T 2014-15=30,000T
2015-16=29,999T 2015-16=.....T(up to
sept.15)

D. Reserve

a.Reserve position as :- Reserves & remaining
per latest MP/MS and resources as on
at the time of 01.4.2015 as per UNFC
inspection. is-
111,121&122-288960T &
Remaining resources-
6440T&268240T.

RESERVE POSITION AS ON 01/04/2015

IRON ORE		
Category	Quantity in Tonnes	Grade
Proved	288960	Fe%-52-57 & Al-7-9% & Silica-8-10%
Probable	6440	
Possible	268240	
Total	563640	

PRODUCTION FOR THE PREVIOUS YEAR 2014 - 2015

Mineral	Production	Unit
IRON ORE	30000	TON

6. Conservation of Mineral - both quantitative and qualitative**Beneficiation (Rule 20 and 26)**

Efforts for improving low grade and sub grade mineral. : By manual picking & size separation, entire material is utilising by proper blending & stacking.

Efforts for improving percentage of recovery of ore. : By manual picking & size separation, entire material is utilising by proper blending & stacking.

Mineral Rule 15

Percentage of recovery of ore pitwise w.r.t. ROM and total material : About 95% recovery

Number of benches in ore and waste. : Two benches of 2-3m depth each in float ore

Sub/grd mineral/fines (Rule16)

Qty of yearly generation and total qty available during inspection with grade : NA

Number and size of each stack : NIL

Location of stacking. : NA

Separate stacking from waste : The waste material is separately stacking as earmarked ground & subgrade is properly blending & size separation as per buyers requirement & utilising.

Total area covered for stacking : NIL

Exploration data as on 31/03/ 2015

No. of Boreholes	No. of Pits	No. of Trenches
0	11	0

OVERBURDEN HANDLED DURING PREVIOUS YEAR 2014 - 2015

Overburden/waste removed (in m3) :	2000
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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. : flat undulated land with surrounding hilly terrain out side lease area.
- b. Aesthetic environment : Degraded mining land & thick bushes & shrubs have been seen in surrounding area.
- c. Soil and land use pattern : There is no top soil & if any is utilising for afforestation purpose.
- d. Agriculture : There is no agriculture field inside ML area.
- e. Forest(flora and fauna) : There is no forest land involved.
- f. Vegetation : Thick bushes & shrubs are noticed and surrounding out side lease area naturally grown vegetation & greenery observed.
- h. Public building, places and monuments (protected, historical), placec of worship and places of tourist : No Public building, places and monuments (protected, historical), placec of worship and places of tourist near by area.

B Water environment.

- a. Surface water : There are no surface water courses/body within the mining lease area.
- b. Ground water : There is no ground water seepage observed within ML area .
- c. Quality of water : No water analysis done and reported.Nothing adverese is reported.

C. Air environment

- a. Noise : No adverse impact noticed however PPE provided to employee as reported.
- b. Air : No air sampling done & no adverse impact reported.
- c. Climatic condition : Semi arid & tropical.

D. Socio economic environment

- a. Social and demographic profile. : The population fall under rural status and main occupation is agriculture and animal rearing.
- b. Recommending health and safety. : None.
- c. Human settlement : No human settlement observed with in lease area and the cummulative population of 03 villages with in 5Km radius is 25211.
- 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	Station name	Parameter	Water Management	
				Value	Actual Excess

Air data for excess parameters

Season	Station name	Type of area	Parameter	Value	
				Actual	Excess

PLANTATION DURING THE PREVIOUS YEAR 2014 - 2015

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.

The lessee has not submitted the monthly returns from April,2015 onwards & annual return for the year 2014-15 with in stipulated time till date & accordingly violation pointed out under rule 45(5)(a) & 45(5)(b) of MCDR,88 for rectification. The lessee has been submitted the revised monthly returns for the year 2014-15, which is condiseder but not accepted as per provision of rules & under process for action & direction from IBM HQ.

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.)

NIL

State Government (Illegal mining, mining dispute, infrastructure, Mineral based industry, Mineral policy, etc.)

The lessee has conducted the DGPS survey by authorised agency of state & submitted for authentication to state Govt. for the compliance of CCOM's circular 02/2010 for verification of lease boundary. The same may be expedited.

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

NIL

Date :

(GUMNA RAM)

Indian Bureau of Mines