

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

MCDR INSPECTION REPORT

Bangalore regional office

Mine file No : KNT/TMK/CL/6/BNG

Mine code : 30KAR19031

- (i) Name of the Inspecting : **J002**) **V.D.JALNAPURKAR**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Sri.N.Nagaraju, Lessee.
Official with
Designation
- (iv) Date of Inspection : 25/09/2013
- (v) Prev.inspection date : 28/02/2013

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KAREKURCHI**
- (b) Category : A Other than Fully Mech.
- (c) Type of Working : Opencast
- (d) Postal address
State : KARNATAKA
District : TUMKUR
Village :
Taluka :
Post office :
Pin Code :
FAX No. :
E-mail :
Phone : 9448372315
- (e) Police Station : KABBANHALLI
- (f) First opening date : 21/06/1999
2. Address for : NO.48,9TH MILE,TUMKUR ROAD,
correspondance CHIKKABIDARAKALLU,
BANGALORE
3. (a) Lease Number : KAR1210
(b) Lease area : 11.74
(c) Period of lease : 20
(d) Date of Expiry : 30/09/2011
4. Mineral worked : MANGANESE ORE Main
IRON ORE Associated
CLAY (OTHERS) Associated

5. Name and Address of the

Lessee : JAYRAM MINERALS
 TUMKUR KARNATAKA
 Phone:
 FAX :

Owner : JAYARAM MINERALS
 TUMKUR KARNATAKA
 Phone:
 FAX :

Geologist

Name : T.HANUMANTIAH, Part Time
 Qualification : M.SC.(GEO)
 Appointment/ : 25/01/2000
 Termination date

6. Date of approval of Mining : 16/01/2009
 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		
Supervisory	2	290

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	0.00	0.00	0.00	0.00	
Housing	0.00	0.00	0.00	0.00	Books to village
Sub total	0.00	0.00	0.00	0.00	
Infrastructure					
Sub total			0.00		
Others	0.23	0.23	0.23	0.00	
Total	0.23	0.23	0.23	0.00	

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

During past MCDR inspection no violations were pointed out and during current inspection no MCDR Rules are found to be violated.

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 applicable

5. Scientific Mining

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

a.Type of prospecting : 7 TRENCHES and exploration i.e. pitting, drilling		NIL	Mining Operations have been stoped.
b.Total area covered : Not applicable		Not applicable	

B. Working (Rule 13)

a.Number and size of each pit (LxWxH)	: Clay 180m x 40m x 10m Manganese 240m x 60m x 10m	Clay 140m x 28m x 8m Manganese 180m x 40m x 8m
b.Bench size(LxWxH)length can be defined as regular/irregular	: Regular 180m x 1.5 m x 2 m	Regular 140m x 2m x 1.5m
c.Ore to waste ratio : pit wise if possible otherwise for mine	: 1:0.56	1: 0.75
d.Total area covered : under excavation/pits	: 2.16	1.112

C. Waste disposal (Rule 13)

a.Location of dumps	: Due East of Clay Pits	Due East of Clay Pits
e.Yearly generation of waste quantity.	: Not available	5400 MT during 2011-2012
b.Method of dumping whether advancing/retreat	: Advancing	Advancing
c.Total area covered under waste dump.	: Not available	0.28 Ha
d.No.and size of each waste dump with No of steps/lift/bench	: Not available	70m x 40m x 3m

D. Production

b.Year wise production of last five year.	: Production of Manganese 2008-09 - 32500 2009-10 : 33750 2010-11 : 43750 2011-12 : 30625 2012-13 : 31400 Clay 2008-09 : 15500 2009-10 : 37500 2010-11 : 39750 2011-12 : 14850 2012-13 : 6380	Manganese : 2008-09 : Not available 2009-10 : Not available 2010-11 : 210 2011-12 : 330 2012-13 : Nil Production of Clay 2008-09 : Not available 2009-10 : Not available 2010-11 : 22400 2011-12 : 12900 2012-13 : Nil
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D. Reserve

a.Reserve position as per latest MP/MS and at the time of	: Clay 114840 MT UNFC 111 Manganese 63539 MT
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inspection.

(UNFC 111)

RESERVE POSITION AS ON 01/04/2013

CLAY (OTHERS)		
Category	Quantity in Tonnes	Grade
Proved	114840	
Probable		
Possible		
Total	114840	
MANGANESE ORE		
Category	Quantity in Tonnes	Grade
Proved	63539	
Probable		
Possible		
Total	63539	
<u>PRODUCTION FOR THE PREVIOUS YEAR 2012 - 2013</u>		
Mineral	Production	Unit
MANGANESE ORE	0	TON
CLAY (OTHERS)	0	TON

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

Efforts for improving low grade and sub grade mineral. : Not applicable.(The clay is directly sold without washing).

Efforts for improving percentage of recovery of ore. : Not applicable

Mineral Rule 15

Percentage of recovery of ore pitwise w.r.t. ROM and total material : 90% recovery of Clay
10% recovery of Manganese
70% recovery of Clay out of total material and 30% of recovery of Manganese out of total material.

Number of benches in ore and waste. : 3 No. of benches in waste
4 No. of benches in Ore.

Sub/grade mineral/fines (Rule 16)

Qty of yearly generation and total qty available during inspection with grade : Not applicable

Number and size of each stack : Not applicable.

Location of stacking. : Not applicable

Separate stacking from waste : Nil

Total area covered for stacking : Not applicable.

Exploration data as on 31/03/ 2013

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

OVERBURDEN HANDLED DURING PREVIOUS YEAR 2012 - 2013**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. : Moderately elevated hill range a small mound / ridge of hillock with gently sloping.
- b. Aesthetic environment : Disturbed to the extent of pits and dumps stacks
- c. Soil and land use pattern : Lateritic thin soil cover exists while land use pattern consist of degraded over by way of pits dumps/stacks.
- d. Agriculture : There is no agriculture within the lease area. However in the bufferzone the crops include Jowar millet, Sunflower maize along with coconut plantation. The agriculature land exists at a distance of 1.5 kms from the lease area.
- e. Forest(flora and fauna) : The lease area is a non forest land.
- f. Vegetation : Some forest department grown trees are available, which are under the process of cutting making area for mining and allied activities certain minimum plantation (old) was found carried out. The lessee planted 14, 500 plants within the lease area.
- h. Public building, places and monuments (protected, historical), placec of worship and places of tourist : Not existing within the Mining Lease area.

B Water environment.

- a. Surface water : There are no perennial water sources in the lease area. There are no rivulets or nallahs within the lease area..
- b. Ground water : No ground water is encountered in the mine workings. The water table exists at a depth of 40m from the surface at a distance of 2 to 3 kms from the lease area.
- c. Quality of water : No water source in the mine, however village water is found potable.

C. Air environment

- a. Noise : Few machinery is in use and the noise level are within permissible limits. No drilling and blasting is practised.
- b. Air : The SPM levels are found within permissible limits. SPM value is 105 .64 Micro Gram per cu mtr
- c. Climatic condition : Normal, the maximum and minimum temperatures are in the range of 38 to 19c respectively with an average rain fall of 600 mm.

D. Socio economic environment

- a. Social and demographic profile. : The local villagers are dependent on coconut plantation and other dry agricultures activities, besides some are employed in the mines.
- b. Recommending health and safety. : The lessee has taken care of through Panchayat.
- c. Human settlement : No human settlement in the lease area.
- d. Recreational facility. : The lessee has taken care of through Panchayat.

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>2012 - 2013</u>	Area in Hect.
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<u>TOP SOIL MANAGEMENT</u>	
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.

Annual Return for the year 2012-13 has been verified

Clay - Opening stock : Nil

Production: Nil

Ex mine price Rs 350/- per M.T.

Closing sock : 5546.650 m t

cost of Operation Rs. 234/-

Reserve Position :Not mentioned

Fixed Assests : .:Nil in respects of Plan and Machinery including transport equipment

Manganese - opening Stock : Nil

Production : Nil

Ex mine price Rs 1200/- per M.T.

Closing Stock : 394.890

Cost of Operation - Nil.

Reserve Position not given

Fixed Assests in Plant and machinery : Nil

PART - III : PERFORMANCE OF MINE OWNER
(In case of lease expiring within 2 years - as per guidelines)

a. Compliance of terms and conditions of lease deed.

NA

b. Compliance of the provisions of MCDR, 88 and advise given.

NA

c. Conduct with regard to adoption of safety measures and forest wealth, ecology and environment in the mining lease area.

NA

d. Whether the mine owner has carried out exploration and exploitation on the basis on surface mapping, pitting, trenching and core drilling taking in to consideration the mode of occurrences of mineral deposit.

NA

e. Whether production from mining area is commensurate with the reserves and the long term progress of utilization of mineral.

NA

f. Whether adequate investment has been made by the lessee on the development of mine on mining machinery, operational and administrative building, residential accommodation for the employees.

NA

g. Measures taken by the lessee for protection of environment and ecology.

NA

h. In case leases where the mineralisation tends to exhaust within the present period, the status of closing operation in phases and the special issues including human issues to be addressed at the time of closing of mine.

NA

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.)

NIL

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

NIL

Date :

(V.D.JALNAPURKAR)

Indian Bureau of Mines