

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

MCDR INSPECTION REPORT

Bangalore regional office

Mine file No : KNT/MYS/DOL/3/BNG

Mine code : 19KAR14001

- (i) Name of the Inspecting : **P018**) **N. S. P. RAO**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 21/03/2013
- (v) Prev.inspection date : 16/02/2012

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BETTADABEEDU (50AC)**
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address
State : KARNATAKA
District : MYSORE
Village : BETTADABEEDU
Taluka : H.D. KOTE
Post office : G.B.SARGUR
Pin Code :
FAX No. :
E-mail :
Phone : 2402455
- (e) Police Station :
- (f) First opening date : 01/01/1999
2. Address for : HINKAL,
correspondance MYSORE-570017
3. (a) Lease Number : KAR0998
(b) Lease area : 20.23
(c) Period of lease : 20
(d) Date of Expiry : 22/02/2020
4. Mineral worked : DOLOMITE Main

5. Name and Address of the

Lessee : GOVARDHAN MINES & MINERALS
 HINKAL[P.O], MYSORE
 KARNATAKA
 Phone:
 FAX :

Owner : GOVARDHAN MINES AND MINERALS
 HINKAL, MYSORE, MYSORE
 KARNATAKA
 Phone:
 FAX :

Mining Engineer
 Name : K.G.RAJU, Full Time
 Qualification : DIP. IN MINING ENGINEERING
 Appointment/ : 26/02/1996
 Termination date

Manager Name : K.G.RAJU Qualification : DIP.IN.MINING ENG. Appointment/ : Termination date
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6. Date of approval of Mining : 02/11/2012
 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	100
Workers	2	100
Supervisory	1	100

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	
Health					
Water supply					
Sub total	0.00	0.00	0.00	0.00	
Infrastructure					
Sub total			0.00		
Employment					
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.

During the last MCDR inspection on 16/02/2012 no violations were pointed out & in the present course of inspection no violations of MCDR 1988 were observed & pointed out.

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 recommendation have been made under 56 of MCDR 1988.
Not applicable.

5. Scientific Mining

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

a.Type of prospecting : 4 bore holes and exploration i.e. pitting, drilling
Actually drilled 2 bore holes only

b.Total area covered : 2 ha.
0.5ha.

B. Working (Rule 13)

a.Number and size of each pit (LxWxH) : 16 scattered pits of different sizes
16 pits of different sizes developed measuring anything from 3-10m long, 2-5 m wide and 1-3m deep
The type of ore deposits here is float and hence scattered pits

b.Bench size(LxWxH)length can be defined as regular/irregular : 3-8m long, x 1-2m wide x 0.5m-1m high, irregular shape and size
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c.Ore to waste ratio : 1:0.33
1:0.5
pit wise if possible otherwise for mine

d.Total area covered : 15ha
15ha
under excavation/pits

C. Waste disposal (Rule 13)

a.Location of dumps : scattered near the pits
scattered near the pits

e.Yearly generation of waste quantity. : 3000 MT
2000 MT only

b.Method of dumping whether advancing/retreat : No specific proposal
small scattered dumping with no specific design

c.Total area covered under waste dump. : Not specified.
small dumps all along the pits only

d.No.and size of each waste dump with No of steps/lift/bench : Not specified.
Out of the 16 pits there must have been atleast small 10 dumps all spreading out in the ML

D. Production

b.Year wise production of last five year. : 2007-08-2925
2007-08-730
2008-09-3900
2008-09-40
2009-10-3900
2009-10-203
2010-11-5850
2010-11-NIL
2011-12-5850
2011-12-355
2012-13-67200

D. Reserve

a.Reserve position as per latest MP/MS and at the time of inspection. : proved-1065064
probable - 570570
possible - 824733
proved-1065064
probable - 570570
possible - 824733

RESERVE POSITION AS ON 01/04/2012

DOLOMITE		
Category	Quantity in Tonnes	Grade
Proved	1065064	
Probable	570570	
Possible	824733	
Total	2460367	

PRODUCTION FOR THE PREVIOUS YEAR 2011 - 2012

Mineral	Production	Unit
DOLOMITE	0	TON

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

Efforts for improving low grade and sub grade mineral. : NONE

Efforts for improving percentage of recovery of ore. : none

Mineral Rule 15

Percentage of recovery of ore pitwise w.r.t. ROM and total material : 70% of the total materials

Number of benches in ore and waste. : 1-3 benches in ore and 1 bench in OB normally in all the existing pits

Sub/grd mineral/fines (Rule16)

Qty of yearly generation and total qty available during inspection with grade : 1800 MT only per year , there must be hardly 2500 MT as stack

Number and size of each stack : There is a main stack near the entrance of the ML on the eastern side measuring hardly 10m x5m x1m

Location of stacking. : All around the existing temporarily

Separate stacking from waste : All the wastes are stacked near the small pits for back filling purposes

Total area covered for stacking : Could not be assessed properly as they are all scattered

Exploration data as on 31/03/ 2012

No. of Boreholes

No. of Pits

No. of Trenches

OVERBURDEN HANDLED DURING PREVIOUS YEAR 2011 - 2012**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. : Barren land with small bushes
- b. Aesthetic environment : Not affected by this small scale mining
- c. Soil and land use pattern : Scatterd cultivations in and around the ML
- d. Agriculture : Limited agricultueal activities found in the area .
- e. Forest(flora and fauna) : No significant flora and fauna except shrubs and small birds around
- f. Vegetation : Scanty
- h. Public building, places and monuments (protected, historical), placec of worship and places of tourist : None within the Buffer Zone

B Water environment.

- a. Surface water : Natural drainage syatem , not affected by mining here
- b. Ground water : Not found
- c. Quality of water : Water is potable.

C. Air environment

- a. Noise : Noise levels are in permissible limits.
- b. Air : Air levels are in permissible limits.
- c. Climatic condition : No effect , dry winter and hot summer here

D. Socio economic environment

- a. Social and demographic profile. : It is not affected by this small mining
- b. Recommending health and safety. : None
- c. Human settlement : Scattered villagers depending on small cultivations
- d. Recreational facility. : None to be found in the vicinity

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>				Value	
Season	Station type	Station name	Parameter	Actual	Excess

<u>Air data for excess parameters</u>					Value	
Season	Station name	Type of area	Parameter	Actual	Excess	

<u>PLANTATION DURING THE PREVIOUS YEAR</u>	<u>2011 - 2012</u>	Area in Hect.
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<u>TOP SOIL MANAGEMENT</u>

Quantity as on 31/03/2012

8. Scrutiny of annual returns on cost of production, reserve, production, pit mouth value, stock, land use pattern and fixed assets.

The annual return for the 2011-12 has been scrutinised and the following observations were made.

Opening stock is - 47 tonnes. This is checked during the inspection & found in order.

Production - 355 tonnes.

PMV not furnished.

Closing stock - 402 tonnes

Despatches are - NIL tonnes.

Cost of operation is - Rs 240/- is on higher side.

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 :

(N. S. P. RAO)

Indian Bureau of Mines