

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

MCDR INSPECTION REPORT

Goa regional office

Mine file No : KNT/BJP/LST-79/GOA

Mine code : 38KAR26060

- (i) Name of the Inspecting : **G001**) **GUMNA RAM**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Kallappa H.Sabarad, lessee
Official with
Designation
- (iv) Date of Inspection : 17/01/2015
- (v) Prev.inspection date : 12/02/2014

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **HEBBAL (ML NO. 2493)**
- (b) Category : A Other than Fully Mech.
- (c) Type of Working : Opencast
- (d) Postal address
State : KARNATAKA
District : BAGALKOT
Village : HEBBAL
Taluka : MUDHOL
Post office :
Pin Code :
FAX No. : NA
E-mail : minerals.ganga578@gmail.coi
Phone : 9449579690
- (e) Police Station : Lokapur
- (f) First opening date : 06/12/2006
2. Address for : APMC YARD
correspondance MUDHOL-587313
DIST-BAGALKOT, KARNATAKA STATE
3. (a) Lease Number :
(b) Lease area :
(c) Period of lease :
(d) Date of Expiry :
4. Mineral worked : DOLOMITE Associated
LIMESTONE Main

5. Name and Address of the

Lessee : KALLAPPA H SABARAD
 APMC YARD MUDHOL BAGALKOT
 KARNATAKA
 Phone:
 FAX :

Owner : KALLAPPA H. SABARAD
 APMC YARD MUDHOL BAGALKOT
 KARNATAKA
 Phone:
 FAX :

Manager

Name : Shri M.Bhima Reddy
 Qualification : Mine foreman cert & permit manager
 Appointment/ : 24/08/2012
 Termination date

6. Date of approval of Mining : 26/08/2011
 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	309
Others	1	309
Workers	13	309
Supervisory	2	309

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					
Medical facility	0.00	0.00	0.00	0.00	
Housing	0.00	0.00	0.00	0.00	
Sanitation	0.00	0.00	0.00	0.00	
Health	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	
Sub total	0.00	0.00	0.00	0.00	
Infrastructure					
Roads	0.00	0.00	0.00	0.00	
Electricity	0.00	0.00	0.00	0.00	
Public transport	0.00	0.00	0.00	0.00	
Communication	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	
Sports activities	0.00	0.00	0.00	0.00	
Environment management	0.00	0.00	0.00	0.00	
Employment	0.00	0.00	0.00	0.00	
Recreation	0.00	0.00	0.00	0.00	
Others	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 pre. inspection	Violation of rules	Status
12.02.2014	FN 13(1)	complied.
17.01.2014	13(1)	under process.

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 presently.

5. Scientific Mining

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

- a.Type of prospecting : No proposal for
and exploration i.e. the year.
pitting, drilling
- b.Total area covered : Entire ML area is
not proposed for
exploration.
- Additional exploration
of 08 number of DTH
borehole up to 30m depth
each done & reported to
this office.
- Additional exploration
work done presently.

B. Working (Rule 13)

- a.Number and size of : -
each pit (LxWxH)
- b.Bench : Regular bench of
size(LxWxH)length can
be defined as
regular/irregular
- c.Ore to waste ratio : 1:0.05
pit wise if possible
otherwise for mine
- d.Total area covered : It was proposed to
under excavation/pits work as earmarked
in plate no 6.
- Single pit of dimension
about 150 mx180mx13m
depth of three benches.
- Regular bench of 3m
height & width is more
than height.
- 1:0.05
- Mining operations done
partly as earmarked
&worked three benches
where no proposal was
there & total excavated
area is about 2.7Ha.
- Violation of
rule 13(1)
pointed out &
subsequently
draft Mod.in
SOM is
submitted to
this office &
thereafter not
approved due to
time barred.

C. Waste disposal (Rule 13)

- a.Location of dumps : It was proposed to
dump overburden &
waste in SW of ML
area.
- e.Yearly generation : 3000T
of waste quantity.
- b.Method of dumping : NA
whether
advancing/retreat
- c.Total area covered : 0.05
under waste dump.
- d.No.and size of each : Single dump
waste dump with No of
steps/lift/bench
- Partly dumped in
earmarked area & partly
used for the road work.
- 2600T
- Retreat
- 0.05
- Single dump

D. Production

b. Year wise	: 2010-11=30,000T	2010-11=26,581T
production of last	2011-12=60,000T	2011-12=29,951T
five year.	2012-13=60,000T	2012-13=30,000T
	2013-14=60,000T	2013-14=52,000T
	2014-15=60,000T	2014-15=30,500T (Up to Dec.2014)

D. Reserve

a. Reserve position as per latest MP/MS and at the time of inspection.	: No proposal of exploration for the year although lessee has done 08 number of exploratory borehole.	Mineral reserves available as on 01.4.2014 as per UNFC (111 ,121 &122) are 482869T & Remaining resources are 769196T.
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RESERVE POSITION AS ON 01/04/2014

DOLOMITE		
Category	Quantity in Tonnes	Grade
Proved	0	
Probable	0	
Possible	0	
Total	0	
LIMESTONE		
Category	Quantity in Tonnes	Grade
Proved	482869	Grade-Cao-49.20& MgO-2.25
Probable	769196	
Possible	1364065	
Total	2616130	

PRODUCTION FOR THE PREVIOUS YEAR 2013 - 2014

Mineral	Production	Unit
LIMESTONE	52000	TON
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. : No subgrade mineral is being generated presently and proper blending of low grade with higher side & utilising as per buyers requirement.

Efforts for improving percentage of recovery of ore. : No beneficiation plant, only manual sizing and sorting of mineral.

Mineral Rule 15

Percentage of recovery of ore pitwise w.r.t. ROM and total material : About 90-95%

Number of benches in ore and waste. : Three benches of 3m & above bench height in limestone ore & width is more than height.

Sub/grd mineral/fines (Rule16)

Qty of yearly generation and total qty available during inspection with grade : No subgrade mineral is being generated presently.

Number and size of each stack : No subgrade mineral is being generated presently.

Location of stacking. : No subgrade mineral is being generated presently.

Separate stacking from waste : No subgrade mineral is being generated presently.

Total area covered for stacking : No subgrade mineral is being generated presently.

Exploration data as on 31/03/ 2014

No. of Boreholes	No. of Pits	No. of Trenches
8	0	0

OVERBURDEN HANDLED DURING PREVIOUS YEAR 2013 - 2014

Overburden/waste removed (in m3) : 1040

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 terrain with rocky exposure with intermittent black cotton soil
- b. Aesthetic environment : Natural topography with degraded mining land.
- c. Soil and land use pattern : Black cotton top soil existing which is being removed & dumped for afforestation.
- d. Agriculture : Seasonal agricultural activities observed and jawar & sugarcane being cultivated.
- e. Forest(flora and fauna) : No forest land involved.
- f. Vegetation : The ML area is located amidst in seasonal agriculture land.
- 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.

B Water environment.

- a. Surface water : Perinial/Seasonal water courses are not existing in & around the ML.
- b. Ground water : No seepage of ground water observed in the working pit.
- c. Quality of water : Nothing adverse is reported & No water analysis done.

C. Air environment

- a. Noise : Nothing adverse is reported & No noise survey done.
- b. Air : Nothing adverse is reported & No noise survey done.
- c. Climatic condition : Tropical & semi arid.

D. Socio economic environment

- a. Social and demographic profile. : Rural status population existing with main occupation of agriculture & animal rearing.
- b. Recommending health and safety. : Rural status population existing with main occupation of agriculture & animal rearing.
- c. Human settlement : Rural status population existing with main occupation of agriculture & animal rearing. The surrounding population with in 5km radius in 12 villages is about 19314.
- d. Recreational facility. : Hospital / Clinics are existing at mudhol about 22km away.

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	<u>Water Management</u>	
				Value	Actual Excess

Air data for excess parameters

Season	Station name	Type of area	Parameter	Value	
				Actual	Excess

PLANTATION DURING THE PREVIOUS YEAR 2013 - 2014

Area in Hect.

TOP SOIL MANAGEMENT

Quantity as on 31/03/2014

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

Lessee is regular in submission of periodical returns & AR for the year 2013-14 is submitted with in stipulated time in form H-8 online. Presently no significant violation observed. Further additional exploration work done in the year 2013-14.

AR-2013-14

Production-52,000T, OB removed-2600T

O/s-5714.30T, Dispatch-38,526.86T, C/s-19187.44T,

Ex Mine Price-366.47Rs./T, Cost of production-163Rs./T.

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.

Not applicable as ML is expiring in 31.6.2025.

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

Latest scheme of mining was approved on 26/8/2011 for the year 2011-12 to 2015-16. The lessee has done change of place of working and accordingly submitted the draft Mod.in SOM for approval but due to no response from lessee time barred, it was not approved & presently violation of rule 13(1) is still exists.

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.)

Dimension of lease boundary pillars are not made reinforced & as per statute therefore action may be initiated accordingly. Mining operations done within 7.5m of statutory barrier & backfilled near BP of NE side of ML & DGPS plan is not submitted to this office so far. action may be taken accordingly.

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

NIL

Date :

(GUMNA RAM)

Indian Bureau of Mines