

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

MCDR INSPECTION REPORT

Goa regional office

Mine file No : KNT/BJP/DOL-7/GOA

Mine code : 19KAR26012

- (i) Name of the Inspecting : **G001**) **GUMNA RAM**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri G.S.Narsimhamurthy & Shri Jumnal, Partner
Official with
Designation
- (iv) Date of Inspection : 27/04/2014
- (v) Prev.inspection date : 15/03/2011

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **NERALKERE (ML 2410)**
- (b) Category : A Other than Fully Mech.
- (c) Type of Working : Opencast
- (d) Postal address
State : KARNATAKA
District : BAGALKOT
Village : NEERALKERI
Taluka : BAGALKOT
Post office : NEERALKERI
Pin Code : 587101
FAX No. : NA
E-mail : sangameshwar.mines@yahoo.co
Phone : 08354-222417, Mobile-98450
- (e) Police Station : BAGALKOT
- (f) First opening date : 26/10/2003
2. Address for : M/s Sangameshwar Mines & Minerals
correspondance : At-Neralkeri Tq & Dist-Bagalkot
Karnataka
3. (a) Lease Number : KAR1365
(b) Lease area : 4.66
(c) Period of lease : 20
(d) Date of Expiry : 06/07/2023
4. Mineral worked : DOLOMITE Main

5. Name and Address of the

Lessee : SANGAMESHWARA MINES & MINERALS
 Basava Nilaya, T.P. No.193,
 Ward No 10, Hadagali
 Building Behind
 Sharanabasaveshwar Mutt
 BAGALKOT KARNATAKA
 Phone:08354-2435991,2422417
 FAX :

Owner : R.M.JUMNAL,MANAGING PARTNER
 M/s Sangameshwar Mines &
 Minerals Basava Nilaya,
 10/2, Behind
 Sharanabasaveshwar
 temple,Bagalkot BAGALKOT
 KARNATAKA
 Phone: 08354-222417 Mo
 FAX :

Mining Engineer

Name : Shri G.S.Narsimha murthy,Part Time
 Qualification : First Class mine manager certificate Hol
 Appointment/ : 01/06/2013
 Termination date

Manager

Name : Shri M.C.Gpoal Swami
 Qualification : Mine Foreman certificate holder
 Appointment/ : 01/02/2012
 Termination date

6. Date of approval of Mining : 14/06/2013
 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	293
Workers	12	293
Supervisory	2	293

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					
Safety	0.00	0.00	0.00	0.00	
Health	0.00	0.00	0.00	0.00	
Medical facility	0.00	0.00	0.00	0.00	
Housing	0.00	0.00	0.00	0.00	
Water supply	0.00	0.00	0.00	0.00	
Sanitation	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	
Electricity	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	
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	
Employment	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	
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.

Last mcdr inspection	violation of rules	compliances
15/03/2011	45(1)(a)	complied
27/04/2014	13(1), 45(5)(b), 23(E)(2)	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
A. Exploration (Rule 13)			
a.Type of prospecting and exploration i.e. pitting, drilling	: Not proposed	NIL	NIL
b.Total area covered	: Entire lease area is not proposed for exploration.Partly exploration work done.	Accordingly exploration work done.	NIL
B. Working (Rule 13)			
a.Number and size of each pit (LxWxH)	: Single pit proposed in all direction in first bench.	Single pit & workings not done as proposed & total excavated area is about 3.5Ha.(three benches in dolomite of about 3m height)	Violation of rule 13(1) for change of place of workings as proposal & accordingly pointed out for rectification.
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	1:0.19	NIL
d.Total area covered under excavation/pits	: It was proposed to work in first year (2013-14) in first bench in all direction as earmarked in plate No.-6.	The mining operations / excavatio done second bench towards north side & opened third bench in almost central of ML up to 3m bench height which were not proposed in approved SOM.Total excavated area is about 3.5Ha.	Violation of rule 13(1) for change of place of workings as proposal & accordingly pointed out for rectification.
C. Waste disposal (Rule 13)			
a.Location of dumps	: Not proposed in ML area & proposed out side ML	The intercalated waste was utilised for approach road & out side near ML .	NIL
e.Yearly generation of waste quantity.	: 11,111T	2160T(12-13) &2100T(13-14)	
b.Method of dumping whether advancing/retreat	: Not proposed	NIL	NIL
c.Total area covered	: NIL	NIL	

under waste dump.

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

D. Production

b.Year wise	: 2009-10=1,,11,150T	2009-10=68,621T
production of last	2010-11=1,,11,150T	2010-11=20182T
five year.	2011-12=1,11,150T	2011-12=5882T
	2012-13=1,11,150T	2012-13=21,628T
	2013-14=1,,11,111T	2013-14=57,720T

D. Reserve

a.Reserve position as per latest MP/MS and at the time of inspection.	a.Reserve position as per latest MS	Total mineral reserves & remaining resources of dolomite available as per approved MS as on 01.4.2013 is - 17,65,717T(111,121&122) & remaining resources- 10,61,417T & depletion of production & available reserve as 01.4.14 is 1707977.
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RESERVE POSITION AS ON 01/04/2014

DOLOMITE		
Category	Quantity in Tonnes	Grade
Proved	1707977	
Probable	486683	
Possible	574734	
Total	2769394	

PRODUCTION FOR THE PREVIOUS YEAR 2013 - 2014

Mineral	Production	Unit
DOLOMITE	21628	TON

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

Efforts for improving low grade and sub grade mineral. : Blending low grade dolomite with higher side & utilising.

Efforts for improving percentage of recovery of ore. : Manual sizing & sorting and picking of ore from intercalated waste & maximum recovering & utilising the ore for sell.

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 dolomite bench of about 3m bench height

Sub/grade mineral/fines (Rule16)

Qty of yearly generation and total qty available during inspection with grade : No subgrade mineral is being generated presently & blending low grade with higher side material & utilising.

Number and size of each stack : No subgrade mineral is being generated presently & blending low grade with higher side material & utilising.

Location of stacking. : No subgrade mineral is being generated presently & blending low grade with higher side material & utilising.

Separate stacking from waste : No subgrade mineral is being generated presently & blending low grade with higher side material & utilising.

Total area covered for stacking : No subgrade mineral is being generated presently & blending low grade with higher side material & utilising.

Exploration data as on 31/03/ 2014

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

OVERBURDEN HANDLED DURING PREVIOUS YEAR 2013 - 2014**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 topography
- b. Aesthetic environment : There is no significant features of aesthetic importance in the area & degraded land of mining pit.
- c. Soil and land use pattern : There is negligible top soil & utilising for plantation purpose.
- d. Agriculture : Crop of sugarcane & jawar is being taken from the surrounding agriculture field.
- e. Forest(flora and fauna) : There is no forest land involved.
- f. Vegetation : There is no vegetation in the ML area. shrubs & naturally grown vegetation in surrounding area.
- h. Public building, places and monuments (protected, historical), place of worship and places of tourist : There is no public building, monuments, place of worship and place of tourist interest in the area.

B Water environment.

- a. Surface water : There is no any surface water body in the surrounding ML area.
- b. Ground water : The mining is carried out much above the ground water table.
- c. Quality of water : The ground water of the area is potable. No adverse impact reported.

C. Air environment

- a. Noise : No adverse impact of noise pollution observed.
- b. Air : There is no adverse impact on quality of air as water sprinkling on haul road & taking suitable precautionary measures.
- c. Climatic condition : The maximum temp. during summer is 44C and minimum temp. during winter is 18C

D. Socio economic environment

- a. Social and demographic profile. : The main occupation of the people of the area is agriculture and animal rearing.
- b. Recommending health and safety. : There is no occupational diseases reported in the area in the recent past.
- c. Human settlement : There is no habitation in the nearby ML area. The population within 5km of surrounding area in 06 villages are 6243.(As per 2001 census)
- d. Recreational facility. : The nearest recreational facility is available at Bagalkot town .

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>2013 - 2014</u>	Area in Hect.
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<u>TOP SOIL MANAGEMENT</u>
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.

Party has submitted the annual return for the year 2012-13 in form-H9 old format & accordingly advised to submit the AR in new format in H8.No significant deficiencies observed and details are given below.

AR-2012-13 :- Production-21,628T, Opening stock-63033T, Dispatch-75480T, Closing stock-9181T

Land use pattern-Total excavated are is about 3.5Ha. & Overburden/waste generation - 2100T

Cost of production-248Rs./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.

Mining lease is executed for 20years WEF 07.7.2003 & date of expiry-06.7.2023

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

Mining plan was approved vide this office letter No.MP/MAN-481(KNT)/GOA/2002-03 Dated-11.2.2003 & modified on 01.7.2003 & 04.10.2006 and first scheme of mining was approved on 22.08.2008 for & second scheme of mining approved on 14.6.2013 for 2013-14 to 2017-18.

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 boundary of lease pillar dimension are not made as per statute as per DGPS & action may be initiated accordingly.

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

NIL

Date :

(GUMNA RAM)

Indian Bureau of Mines