

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

MCDR INSPECTION REPORT

Goa regional office

Mine file No : KNT/BGM/LST-20/GOA

Mine code : 38KAR02026

- (i) Name of the Inspecting : **K03**) **G. S. KANNAN**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Shri Gopal Pujari, Mine manager
Official with
Designation
- (iv) Date of Inspection : 17/02/2016
- (v) Prev.inspection date : 18/12/2014

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KAMAKERI (ML2438)**
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address
State : KARNATAKA
District : BELGAUM
Village : KAMAKEERI
Taluka : RAMDURG
Post office : KAMKERI
Pin Code :
FAX No. : 08350-240171
E-mail : sudhaminerals@gmail.com
Phone : 08350-240171
- (e) Police Station : Lokapur
- (f) First opening date : 08/03/2004
2. Address for : M/s Sudha Minerals
correspondance At-Kamakeri, Tq- Ramadurg
Dist-Belgaum, Karnataka
3. (a) Lease Number : KAR1385
(b) Lease area : 4.08
(c) Period of lease : 20
(d) Date of Expiry : 16/01/2024
4. Mineral worked : DOLOMITE Associated
LIMESTONE Main

5. Name and Address of the

Lessee : RAMANNA SIDDAPPA PUJARI
 POST - JADAR ARLIKATTI,
 TALUKA - MUDHOL, DISTRICT -
 BAGALKOT BAGALKOT KARNATAKA
 Phone:08350-340407

FAX :

Owner : RAMANNA S. PUJARI
 M/s Sudha Minerals Mudhol
 Road, At & Po-Lokapur Tq-
 Mudhol, Dist-Bagalkot
 BAGALKOT KARNATAKA
 Phone: 08350-240407 (R

FAX :

Manager

Name : Shri Gopal Pujari
 Qualification : Mine Mate certificate holder
 Appointment/ : 25/11/2011
 Termination date

6. Date of approval of Mining : 22/01/2014
 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	2	300
Supervisory	2	300
CONTRACT		
Workers	4	300

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	
Medical facility	0.00	0.00	0.00	0.00	
Health	0.00	0.00	0.40	0.00	
Water supply	0.00	0.00	0.00	0.00	
Sanitation	0.00	0.00	0.00	0.00	
Housing	0.00	0.00	1.20	0.00	
Sub total	0.00	0.00	1.60	0.00	
Infrastructure					
Roads	0.00	0.00	0.00	0.00	
Communication	0.00	0.00	0.00	0.00	
Public transport	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	
Sports activities	0.00	0.00	0.00	0.00	
Recreation	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	
Training	0.00	0.00	0.00	0.00	
Others	0.00	0.00	0.00	0.00	
Total	0.00	1.60	0.00	0.00	

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

The Mine was Inspected under MCDR Inspection on 18.12.2014 and no outstanding Violation is observed and pointout.

Recently mine was Inspected under MCDR Inspection on 16.02.2016 under the Field Guidances of RCOM, Goa. Based on that Violation has been point out under Rule and Issued to the Lessee.

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, 19888, if recommended.

Suitable follow up action will be initiated under rule 13(2), if compliance of rule 13(1) is not found satisfactory within stipulated period.

5. Scientific Mining

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

a.Type of prospecting : 8 DTH has been and exploration i.e. pitting, drilling	proposed in scheme Period.	Nil	Violation under Rule 13(1) issued.
b.Total area covered : 4.12 Hect	entire lease area	Nil	It is recommended to do the Core drilling

B. Working (Rule 13)

a.Number and size of each pit (LxWxH)	: 250m x 150m * 15m	250m x 90m * 12m	Due to Market down, the pit not achieve its positions.
b.Bench size(LxWxH)length can be defined as regular/irregular	: Regular	Irregular	Violation under Rule 13 (1) Issued
c.Ore to waste ratio pit wise if possible otherwise for mine	: 1 : 0.05	1 : 0.40	
d.Total area covered under excavation/pits	: 100 E - 350 E to 30 N - 170 N	100 E - 350 E to 170 N	80 N - Violation Under Rule 13 (1) Issued

C. Waste disposal (Rule 13)

a.Location of dumps	: Northern Side of Lease area	Eastern side of Lease area and some heaps on 7.5m safety barriers.	Violation under Rule 13(1) is issued.
e.Yearly generation of waste quantity.	: 1316 Tons	450 Tons	
b.Method of dumping whether advancing/retreat	: Advancing	Retreat	
c.Total area covered under waste dump.	: 0.219 Heactres	Nil	
d.No.and size of each waste dump with No of steps/lift/bench	: Single	Nil	

D. Production

b.Year wise production of last five year.	: 2014-2015 = 24997 Tons 2013-2014 = 24998 Tons 2012-2013 = 25000 Tons 2011-2012 = 25000 Tons	2014-2015 = 2500 Tons 2013-2014 = 1950 Tons 2012-2013 = 8700 Tons 2011-2012 = 5694 Tons 2010-2011 = 2435 Tons	
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2010-2011 = 25000
Tons

D. Reserve

a. Reserve position as per latest MP/MS and at the time of inspection.	: As on 01.04.2015 Reserves = 296581 Tons Resources = 821976 Tons	As on 01.04.2015 Reserves = 342126 Tons Resources = 821976 Tons	After approval 01.04.2013 only 4450 tons has been removed
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RESERVE POSITION AS ON 01/04/2015

LIMESTONE		
Category	Quantity in Tonnes	Grade
Proved	342126	Cao=53.98
Probable	152675	Cao=53.98
Possible	669301	Cao=53.98
Total	1164102	Cao=53.98

PRODUCTION FOR THE PREVIOUS YEAR 2014 - 2015

Mineral	Production	Unit
LIMESTONE	2500	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 is being generated. Entire Mineral is utilising by proper blinding & selling as per buyers requirements.

Efforts for improving percentage of recovery of ore. : Manual Picking of intercalated waste to bring the recovery to maximum extent

Mineral Rule 15

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

Number of benches in ore and waste. : Waste - Single Bench
Ore Two Bench

Sub/grd mineral/fines (Rule16)

Qty of yearly generation and total qty available during inspection with grade : No Subgrade is being generated

Number and size of each stack : No Subgrade is being generated

Location of stacking. : No Subgrade is being generated

Separate stacking from waste : No Subgrade is being generated

Total area covered for stacking : No Subgrade is being generated

Exploration data as on 31/03/ 2015

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

OVERBURDEN HANDLED DURING PREVIOUS YEAR 2014 - 2015

Overburden/waste removed (in m3) : 1625

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. : It is Plain Land with Rocky Exposures
- b. Aesthetic environment : Degraded mining land
- c. Soil and land use pattern : Un broken up area is covered with Black cotton soil upto 1m thickness. The available topsoil is used for Plantation.
Landuse Pattern
Area under Mining = 1.80 Hect
Dump = 0.10 Hect
Building = 0.026 Hect
Roads = 0.20 Hect
Green Belt = 0.300 Hect
Mineral Seperation plan = 0.021 Hect
Unused area = 1.613 Hect
- d. Agriculture : Seasonal Crops of Jawar, Sugarcane, Maize are major crops in the surrounding area
- e. Forest(flora and fauna) : Non Forest area.
- f. Vegetation : Scanty vegetation, bushes, Neem are observed in lease area. Fruits bearing plants has been planted nearer to office.
- h. Public building, places and monuments (protected, historical), placec of worship and places of tourist : No such areas in the mining lease area

B Water environment.

- a. Surface water : There is no Surface water courses observed in existing ML area
- b. Ground water : No seepage of ground water observed and nothing adverse is reported.
- c. Quality of water : Ground water is Potable and used for domestic purpose.

C. Air environment

- a. Noise : Survey has been done, nothing adverse is reported
- b. Air : Survey has been done, nothing adverse is reported
- c. Climatic condition : Climate is Warm & Dry through out the year and average rainfall is 350-400mm/ annum

D. Socio economic environment

- a. Social and demographic profile. : The population of rural background exists in nearby villages/ area with main occupation of Agriculture, Mining and animal rearing
- b. Recommending health and safety. : Shelter room, first aid station is available in mine area. Hospitals/Clinics are existing at Lokapur, Bagalkot District at 15km away from ML
- c. Human settlement : There are 8 villages are existing within 5km radius

from ML

d. Recreational facility. : Available at Lokapur, Bagalkot District at 15km away
from ML

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>2014 - 2015</u>
		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 Prepared but not Annual returns to our Office. Annual returns for the year 2014-2015 scrutinised during inspection of mine and deficiencies were explained to mines manager for correction.

Land use pattern: It is filled up incorrectly.

Manpower and technical staff: Technical Persons is not included. Salary to technical staff is not given.

Reserves: Balance reserves as on 01.04.2015 are not given.

Production & despatch figures:It is filled up correctly.

Cost of operation: It is filled up correctly

Pit mouth value: It is filled up correctly

Ex Mine Price: Is not filled

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 No:- 2438
Lease area:- 4.12 Ha
Lease Period:- 50 Years Dt of grant:- 17.01.2004 Dt of Expiry :- 16.01.2054
Name of Lessee:- Shri.Ramanna S Pujari
Name of Mine:- Kamkeri Limestone Mine
Location:- Kamkeri Village, Ramdurga Taluka, Belgaum District, Karnataka

Compliance of terms and condition of lease deed appears be satisfactory.

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

The Lessee has not received any violation earlier.

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

The precautionary measures are being taken care by the lessee on the above aspects in the form of providing safety helmets, afforestation, sprinkling of water on mine roads, etc.

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.

Total Four boreholes have been drilled for a total meterage of 80m during 2012-2013. With this along with existing pits, about 1.5 ha area can be considered as explored for depth of 4-12m. Lessee has proposed total 8 bore holes to be drilled during remaining plan period covering remaining lease area.

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

The mine works with an average production of 4381 tons per annum during last Five years with minimum of 1950 tons during 2013-2014 and maximum of 8700 tons during 2012-2013. As per mining scheme approved on 22.01.2014 the available reserves as on 01.04.2015 are in the order of 342126 tons. As such production from mining area is commensurate with the reserves and the long term progress of utilization of mineral.

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.

The lessee has invested about Rs 75 Lakh which include Land, Buildings, Crusher, Machinery.

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

Lessee undertakes afforestation and sprinkling of water on mine roads as per the proposals. Apart from this, safety helmets have been provided to the workers and expenditure on community development has also been done.

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.

The mineralisation still persists for further depths and there is no possibility of exhaustion of mineral ore in near future.

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 :

(G. S. KANNAN)

Indian Bureau of Mines