

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

**MCDR INSPECTION REPORT**

**Goa regional office**

**Mine file No :** KNT/BJP/LST-73/GOA

**Mine code :** 38KAR26051

- (i) Name of the Inspecting : **K03** ) **G. S. KANNAN**  
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Shri.H.B.Balikai (Mine Mate)  
Official with  
Designation
- (iv) Date of Inspection : 04/06/2014
- (v) Prev.inspection date : 16/03/2011

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **NAGANPUR (ML2425)**
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address
- State : KARNATAKA
- District : BAGALKOT
- Village : NAGANPUR
- Taluka : MUDHOL
- Post office : LOKAPUR
- Pin Code : 587122
- FAX No. : ---
- E-mail : --
- Phone : ---
- (e) Police Station :
- (f) First opening date : 01/01/2004
2. Address for : At & Po-Lokapur  
correspondance Tq-Mudhol  
Dist-Bagalkot, Karnataka
3. (a) Lease Number : KAR1376
- (b) Lease area : 2.57
- (c) Period of lease : 20
- (d) Date of Expiry : 28/09/2023
4. Mineral worked : DOLOMITE Associated  
LIMESTONE Main

## 5. Name and Address of the

Lessee : SMT. RAJESWARI M. VIRAKTAMATH  
P.O.LOKAPUR TALUKA- MUDHOL  
BAGALKOT KARNATAKA  
Phone:(08350) 340034  
FAX :

Owner : SMT. RAJESWARI M. VIRAKTAMATH  
At & Po-- Lokapur Tq-Mudhol  
BAGALKOT KARNATAKA  
Phone:  
FAX :

6. Date of approval of Mining : 07/11/2013  
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
<b>DIRECT</b>		
Managerial	1	306
Supervisory	1	306
<b>CONTRACT</b>		
Workers	8	306

**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	
<b>General</b>					
Water supply	0.00	0.00	0.00	0.00	
Sanitation	0.00	0.00	0.00	0.00	
Housing	0.00	0.00	0.00	0.00	
Health	0.00	0.00	0.00	0.00	
Safety	0.00	0.00	0.00	0.00	
Medical facility	0.00	0.00	0.00	0.00	
<b>Sub total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>Infrastructure</b>					
Communication	0.00	0.00	0.00	0.00	
Public transport	0.00	0.00	0.00	0.00	
Roads	0.00	0.00	0.00	0.00	
Electricity	0.00	0.00	0.00	0.00	
<b>Sub total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>Environment management</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>Recreation</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>Employment</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>Training</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>Sports activities</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>Others</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	

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

Date of Previous Inspection was 07.06.2013 and violation point out under rule 13 (1) & 42(1)(b)(ii). Till date violation is not complied.

Based on recent inspection carried out on 04.06.2014, the following violation has been pointout under rule 13(1),23(E)(2),42(1)b(ii),63and 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 followup 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 and exploration i.e. pitting, drilling	: 3 Boreholes with 30m Depth Proposed	Nil	Violation under Rule 13(1) is issued
b.Total area covered	: Entire Area with 100 * 50m grid interval	Nil	

**B. Working (Rule 13)**

a.Number and size of each pit (LxWxH)	: 180m x 120m x 11m	130m x 120m x 11m
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 : 0.05	1 : 0.05
d.Total area covered under excavation/pits	: 1.75 Hectares	1.25 Hectares

**C. Waste disposal (Rule 13)**

a.Location of dumps	: E-00/100 to N-00/50	Nil	As per proposal there is no Dumpyard, hence violation under 13(1) is issued
e.Yearly generation of waste quantity.	: 526 Tons/ Year from Limestone & 1579 Tons/ Year from Dolomite	Nil	
b.Method of dumping whether advancing/retreat	: Advancing	Nil	
c.Total area covered under waste dump.	: 0.08 Hectares	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.	: Year	Year	
	Limestone/Dolomite	Limestone/Dolomite	
	2009-2010	2009-2010	972 /
	5000 / 10000	2000	
	2010-2011	2010-2011	580 /
	5000 / 10000	2500	
	2011-2012	2011-2012	1523 /
	5000 / 10000	7000	
	2012-2013	2012-2013	5000 /
	5000 / 10000	9837	
2013-2014	2013-2014	800 /	
10000 / 30000	800		

**D. Reserve**

a. Reserve position as : As per Approved Mining Scheme  
 per latest MP/MS and at the time of inspection.

Limestone Reserves (111) = 233830 Tons Resources (333) = 72618 Tons	As on Inspection Limestone Reserves (111) = 233030 Tons Resources (333) = 72618 Tons
Dolomite Reserves (111) = 724253 Tons Resources (333) = 440606 Tons	Dolomite Reserves (111) = 723453 Tons Resources (333) = 440606 Tons

**RESERVE POSITION AS ON 01/04/2014**

<b>DOLOMITE</b>		
Category	Quantity in Tonnes	Grade
Proved	724253	Cao=28%, Mgo=15%
Probable		
Possible	440606	Cao=28%, Mgo=15%
Total	1164859	Cao=28%, Mgo=15%
<b>LIMESTONE</b>		
Category	Quantity in Tonnes	Grade
Proved	233830	Cao=48%, Mgo=2.15%
Probable		
Possible	72618	Cao=48%, Mgo=2.15%
Total	306448	Cao=48%, Mgo=2.15%

**PRODUCTION FOR THE PREVIOUS YEAR 2013 - 2014**

Mineral	Production	Unit
DOLOMITE	800	TON
LIMESTONE	800	TON

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

Efforts for improving low grade and sub grade mineral. : Low Grade limestone is blended with high grade, Manual sizing & Sorting of Ore is doing

Efforts for improving percentage of recovery of ore. : Low Grade limestone is blended with high grade, Manual sizing & Sorting of Ore is doing

**Mineral Rule 15**

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

Number of benches in ore and waste. : One bench in Waste  
Two benches in Ore

**Sub/grade mineral/fines (Rule 16)**

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

Number and size of each stack : No Sub grade mineral is being generated

Location of stacking. : No Sub grade mineral is being generated

Separate stacking from waste : No Sub grade mineral is being generated, but there is proposal for stacking the waste

Total area covered for stacking : No Sub grade mineral is being generated

**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 terrain topography with more outcrops
- b. Aesthetic environment : Degraded mining land
- c. Soil and land use pattern : 0 to 1m Black cottton soil thickness
- Landuse Pattern:-  
Area under Mining = 1.048 Hect  
Mines Road = 0.048 Hect  
Unused area = 1.684 Hect
- d. Agriculture : Crops like sugarcane, jawar is dominant in adjacent area.
- e. Forest(flora and fauna) : Non Forest land
- f. Vegetation : Scanty vegetation, bushes, neem are observed in lease area
- h. Public building, places and monuments (protected, historical), placec of worship and places of tourist : None

### B Water environment.

- a. Surface water : No any surface water body exist in the area
- b. Ground water : No seepage of ground water observed. Mining is carried out above the Ground water table
- c. Quality of water : Nothing adverse is reported.

### C. Air environment

- a. Noise : No survey has been done, nothing adverse is reported
- b. Air : No survey has been done, nothing adverse is reported
- c. Climatic condition : Maximum temp of the area during summer is 43C and minimum is 15C

### D. Socio economic environment

- a. Social and demographic profile. : The population of rural background exists in nearby villages/ area with main occupation of agriculture and mining
- b. Recommending health and safety. : Hospitals/Clinics are existing at Lokapur at 15km away from ML
- c. Human settlement : There is no habitation within ML area
- d. Recreational facility. : Recreational facility are available at Lokapur

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

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.

Scrutiny of Annual returns 2013-2014

Opening & closing stock of returns & in field is not tallied

Grade wise production, despatch and Ex-mine price' of the minerals are correctly shown.

Reserves are reported correctly as per latest approved mining scheme.

As per the returns submitted

Limestone:- Production = 800 Tons

Dolomite:- Production = 800 Tons

**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 = 2425  
Lease area = 2.78 Hectares  
Period of Lease = 20 Years  
Date of Grant = 20.09.2003  
Date of Expiry = 19.07.2023  
Name of Lessee = Smt.Rajeshwari Murugatah Viraktamath  
Name of Mine = Naganapur Limestone & Dolomite Mine  
Location = Naganapur Village, Mudhol Taluk, Bagalkot District, Karnataka

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

Scheme of Mining Approved Lr No:- MSH/MAN-264 (KNT)/GOA/2013-14 dated 07.11.2013  
For period = 2013-2014 to 2017-2018  
MS is valid upto 31.03.2018

To the Explore the Lease area fully to found the quality & quantity of the Limestone

**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.)**

Pit was moved towards the 7.5m Safety barrier, Boundary of lease pillars has not been made as per statute. Action may be taken for the above issues.

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

Nil

Date :

(G. S. KANNAN)

Indian Bureau of Mines