

**MCDR REPORT**  
**INDIAN BUREAU OF MINES**  
**MINES CONTROL & CONSERVATION OF MINERALS DIVISION**  
**Goa Regional office**

**File No.KNT/BJP/DOL-10/GOA**

**Mine Code No. 19KAR26010**

**IBM Registration No.- 600**

- |  |   |  |
|--|---|--|
| 1) Name of Inspecting officer                  | : | Shri. Kalmata M K                          |
| 2) Designation                                 |   | Senior Mining Geologist                    |
| 3) Accompanying mine official with designation |   | Shri G S Narasimha Murthy, Mining Engineer |
| 4) Date of previous MCDR Inspection            |   | 24.08.2012                                 |
| 5) Date of Inspection                          |   | 13-07-2013                                 |

**PART -I GENERAL INFORMATION**

<b>Name of mine</b>	Neeralakere Dolomite Mines
Category of mine ( A-Fully mechanized, B-Other than fully mechanized )	'B'
Mode of working ( OC/UG/Both o/c & u/g)	Open Cast
Postal address	Melligeri Complex, Kaladgi Road
State	Karnataka
District	Bagalkot
Tehsil/ Taluka	Bagalkot
Police station	Bagalkot
Village	Neeralakere
Post	Neeralakere/Bagalkot
Pin Code	587101
FAX	08354-221408
E-mail	shirur.dolomitemines@rediffmail.com
Phone	9448140972
Date of first opening	01-07-2006
Weekly day of rest	Tuesday

- |  |   |   |
|--|---|---|
| <b>2. a) Lease No.</b>   | : | 2423                                    |
| b) Lease area in hect. with forest area, if any  | : | 4.28, Non Forest.                       |
| c) Date of execution and Period of lease   | : | 24 <sup>th</sup> Sept.2003, for 20 yrs. |
| d) In case of forest area if the permission has been taken, its details like area permitted to be worked & letter No. etc. | : | NA                                      |
| e) if the area is worked on any interim Govt. order or court order, its details.   | : | NA                                      |
| f) Date of expiry.   | : |   |

3.

- |  |   |          |
|--|---|----------|
| a) Mineral(s) included in the lease deed | : | Dolomite |
| b) Mineral(s) worked                     | : | Dolomite |

**4. Name and address of ( including FAX/ E-mail, if any)**

- |                  |   |                          |
|------------------|---|--------------------------|
| a) Lessee/ owner | : | Shri Santosh S Melligeri |
|------------------|---|--------------------------|

- b) Nominated owner with date of nomination : ----
- c) Agent with date of appointment : ----
- d) Mining Engineer and geologists appointed under rule 42 of MCDR, 1988 with date of appointment and whether full/ part time with qualification. : Shri G S Narasimha Murthy, 15-06-2013  
Mining Engineer, Part Time  
Shri A S Babu, 14-05-2013  
Geologist, Part Time
- e) Mine Manager with qualification and date of appointment : Shri Basavarajappa.

**5. Details about Mining Plan/ Mining Scheme**

- a) Letter No. and date of approval of mining plan and its period from Fin. Yr. to Fin Yr. : MP/MAN-519(KNT)/GOA/2003-04,  
Dt: 06-08-2003 / 08-02-2007 (Vol-I)  
Fin. Yr. 2003-04 to Fin. Yr. 2008-09.
- b) Letter No. and date of approval of mining scheme. its period from Fin. Yr. to Fin Yr. : MSH/MAN-157(KNT)/GOA/2008-09,  
Dt: 08-12-2008  
Fin. Yr. 2008-09 to Fin. Yr. 2012-13
- c) Conditions while approving the MP/ MS/ modification : Provisions of the Mines Act,1952 and rules & regulations made there under shall be complied with.
- d) Period of latest approved mining plan/ mining scheme in force : MSH/MAN-259(KNT)/GOA/2012-13,  
Dt: 19-06-2013.  
from.....to.....(financial year) Fin. Yr. 2013-14 to Fin. Yr. 2017-18.

**PART II-TECHNICAL DETAILS**

**1. Details about employment.**

*Maximum number of persons employed on any day during the last financial year (2012-13)r(i) below ground (ii) above ground and (iii) in all in the mines.*

Classification	Average daily employment			Average/Total No. of days worked in a year	Remarks
	Direct	Contract	Total		
<b>OPENCAST</b>					
a) Managerial person	01	0	01	301	
b) Supervisory persons	01	0	01		
c) Workers	06	0	06		
d) Ministerial persons	0	0	0		
c) Employment in plant	0	0	0		
f) Others	0	0	0		
<b>UNDERGROUND</b>	0	0	0	0	0

**2. Community Development Plan ( in and around the mines) 2012-13**

S. N	Proposed action towards socio-economic development during the current year	Expenditure proposed in Rs. Lakhs ( Previous financial year)	Expenditure incurred in Rs. Lakhs (Previous financial year)	Expenditure incurred so far	Expenditure proposed for current year 2013-14	Remarks
1	General development in the area	----	----	----	----	<i>Give in brief the quantity, type and nature of work done against each of the items</i>
	a) Housing	----	----	----	----	
	b) Water supply	----	----	----	----	
	c) Sanitation	----	----	----	----	
	d) Health, safety and medical facilities.	----	----	----	----	
2	Training	----	----	----	----	
3	Employment to local inhabitants	----	----	----	----	
4	Infrastructure-public transport, roads, communication and electricity	----	----	----	----	
5	Recreation and other sports activities	----	----	----	----	
6	Expenditure for environment management	----	----	----	----	
7	Others	----	----	----	----	
	Total	----	----	----	----	
	% expenditure out of total annual budget	----	----	----	----	
	Total	----	----	----	----	

**3. Status of compliance of MCDR, 88 including therewith the rectification of outstanding violation of the rules.**

Date of inspection	Violation pointed out	Compliance reported
24.08.2012	Rule-13(1),23(E)(2), 42 (1)(C2)	Complied
13.07.2013	NIL	NIL

**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.**

Nil, No such recommendation has been made presently under these provisions.

**5. Scientific Mining (As per latest approved mining Plan/Scheme) 2012-13**

Item	Proposal	Actual work done	Remarks
<b>i) Exploration (Rule 13)</b>			
Bore holes proposed	05	05	
Total area covered			
<b>ii) Workings (Rule 13)</b>			
a) Opencast/ underground	Open Cast	Open Cast	
b) Manual/fully mechanized/ Other than fully mechanised	Manual	Manual	
c) No. and size of each pit (L x W x H)		(240 x 50 x 10) Mtr.	
d) Bench size (1 x w x h) length can be defined as regular or irregular		(180 x 3 x 3) Mtr.  Irregular	
e) Ore to waste ratio pit wise if possible otherwise for mine.	1:0.46, (in te) for Mine	1:0 for Mine	
f) Total area covered under excavation/pits	2.4 Ha	1.13 Ha	
<b>iii) Waste disposal (Rule 13)</b>			
a) Location of dumps			
b) Method of dumping whether advancing/ retreat			
c) Total area covered under waste dump			
d) No. & size of each waste dump with number of steps lift/ bench.			
e) Yearly generation of waste quantity.	te (Intercalated waste)	0	
f) Year-wise quantity of top soil removed, utilized & stacked.		0	
g) terrace height with drain provision in terrace	Not Proposed	----	
h) garland drain retaining wall settling tanks CheckDams		---- ---- ---- ----	
<b>iv) Environmental measures</b>			
a) Afforestation, Location , area and nos	240 plants,	100	
b) Reclamation of pits	Not Proposed	----	

c) Rehabilitation of waste dumps	Not Proposed	----	
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**6. Describe briefly existing land use pattern and method of mining, highlighting significant changes in the methodology of mining observed leading to overall improvement:**

- (1) Drilling: By Jack Hammer with tractor mounted compressor
- (2) Blasting: By using Slurry explosive & Electric detonators
- (3) Loosening of the strata, by method other than drilling & blasting:
- (4) Loading: Manual
- (5) Hauling: Tractor
- (6) Pumping: -----

**7. Table of information :**

Wet Beneficiation processing 2012-13	Quantity	Grade	Weight recovery %
Wet beneficiation -Feed - product(s) -tailings	NO BENEFICIATION	----	----

Activity [Items (a) & (e) are not very appropriately placed, but are furnished for convenience]	Previous Financial Year 2012-13		2013-14 (upto June)	
	Proposed	Achieved	Proposed	Achieved
(a) Exploration No of holes Pits, trenches etc.	Not Proposed	----	05	0
(b) Development/ Over burden:	Not Proposed	0	4500 te	0
(i) Top –soil				0
(ii) Any other over burden than top-soil, sub- grade ore and ROM mineral rejects				----
(iii) Sub-grade ore				Not Proposed
(iv) ROM mineral rejects	te	----	7200 te	0
(c) Production	60000 te	27020 te	36000 te	0 te
(d) Ore: Overburden ratio	1:0.46	1:0	1:0.24	0
(e) Afforestation	240 Saplings	100 Saplings	150 Plants	0

**8. Conservation of mineral- both quantitative and qualitative. 2012-13**

**i) Mineral (Rule 15)**

- |  |                   |
|--|-------------------|
| (a) No benches in ore and waste  | 2 benches in ore. |
| (b) Percentage of recovery of ore pit-wise w.r.t. ROM and total material | 80                |

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

- |   |      |
|---|------|
| (a) Separate stacking from waste  | ---- |
| (b) Location of stacking  | ---- |
| (c) Total area covered for stacking   | ---- |
| (d) No. and size of each stack  | ---- |
| (e) Quantity of yearly generation, utilisation and total quantity available during inspection with grade. |      |

**iii) Beneficiation (Rule 20)**

- |  |      |
|--|------|
|  | NA   |
| (a) Efforts for improving low grade and sub-grade mineral.             | ---- |
| (b) The process flow sheet and material balance need to be given here. | ---- |

**iv) Efforts for improving percentage of recovery of ore.** ----

**9. Environment Management both quantitative and qualitative**

**i) Land Environment**

- (a) Landscape
- (b) Aesthetic environment
- (c) Soil and land use pattern
- (d) Agriculture
- (e) Forest (flora & fauna)
- (f) Vegetation
- (g) Public building, places and monuments ( protected monument and historical monument), places of worship and places of tourist interest.

**ii) Water Environment**

- (a) Surface water
- (b) Ground water
- (c) Quality of water

**iii) Air Environment**

- |                        |                                 |
|------------------------|---------------------------------|
| (a) Noise              | Ear Plugs, Optimum Charge       |
| (b) Air                | Sharp drill bits, Muffle Blast, |
| (c) Climatic condition | Normal                          |

**iv) Socio-economic environment**

- |                                    |      |
|------------------------------------|------|
| (a) Social and demographic profile | ---- |
| (b) Recommending health and safety | ---- |
| (c) Human settlement               | ---- |
| (d) Recreational facility          | ---- |

**10. Sensitive technical items on conservation of mineral, scientific mining and protection of environment**

Specific issues that are required to be kept in focus for examination & monitoring should be stated here.

**11. Status of annual returns 2012-13 if available else for 2011-12 on (As per Annual /Monthly return based)**

Cost of operation, : 135/- per te  
Reserves, : 311696 MT  
Production, : 27020 te  
Pit mouth value, : 293/- per te  
Opening stock, closing stock : OS:4740 te, CS: 3460 te  
Land use pattern : 1.13 ha Mining, 0.75 ha Safety Zone, 2.270 ha Future use,  
0.13 ha Roads,  
Fixed assets. :

**11. Status of annual return 2011.12 is available else for 2010-11 :** Submitted to your good office.

**12. Any specific achievement- NIL**

**Part-III (PERFORMANCE OF MINE OWNERS)**

(In case of lease expiring within in 02 years-as per guidelines)

-----**Not applicable**-----

[The lease was granted on. and Date of expiry is .....]

**PART – IV PROPOSAL FOR FURTHER ACTION**

- (a) Indian Bureaus of Mines (any issue related to CGPB, SGPB, assistance, consultancy, annual program and studies & etc.)-
  - (b) The state Govt. (illegal mining, mining dispute, infrastructure, mineral based industry, mineral policy & etc.)-
  - (c) The Central Govt. (infrastructure development, mineral policy and legislation, mineral based industry & etc.)-
- Nil

Date:-

(KALMATA.MK)

Indian Bureau of Mines

