

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

File No. KNT/BJP/DOL-11/GOA.

Mine Code No. 19KAR26011

IBM Registration No.- 598

- | | | |
|--|---|--|
| 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, Mines Manager |
| 4) Date of previous MCDR Inspection | | 08-11-2012 |
| 5) Date of Inspection | | 12-07-2013 |

PART -I GENERAL INFORMATION

Name of mine	Shirur 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	Shirur
Post	Shirur/Bagalkot
Pin Code	587101
FAX	08354-221408
E-mail	shirur.dolomitemines@rediffmail.com
Phone	9448140972
Date of first opening	01-12-2003
Weekly day of rest	Tuesday

- 2. a) Lease No.** : 2422
- b) Lease area in hect. with forest area, if any : 4.05, Non Forest.
- c) Date of execution and Period of lease : 24th 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 Somappa 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. : Ravi Kumar K M, 07-11-2011
Mining Engineer,
Shri A S Babu, 01-09-2009
Geologist
- e) Mine Manager with qualification and date of appointment : Shri G S Narasimha Murthy

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-512(KNT)/GOA/2003-04,
Dt: 05-08-2003 / 01-09-2006 (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-194(KNT)/GOA/2009-10,
Dt: 18-03-2010
Fin. Yr. 2009-10 to Fin. Yr. 2013-14
- 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-194(KNT)/GOA/2009-10,
Dt: 18-03-2010
from.....to.....(financial year) Fin. Yr. 2009-10 to Fin. Yr. 2013-14

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		
OPENCAST					
a) Managerial person	03	0	03	310	
b) Supervisory persons	03	0	03		
c) Workers	12	0	12		
d) Ministerial persons	0	0	0		
c) Employment in plant	02	0	02		
f) Others	10	0	10		
UNDERGROUND	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
08.11.2012	NIL	NIL
12.07.13	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
i) Exploration (Rule 13)			
Bore holes proposed Total area covered	05	04	01 bore hole yet to be done
ii) Workings (Rule 13)			
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)		(250 x 200 x 15) Mtr.	
d) Bench size (1 x w x h) length can be defined as regular or irregular		(150 x 6 x 3) Mtr. Irregular	
e) Ore to waste ratio pit wise if possible otherwise for mine.	1:0.03, (in te) for Mine	1:0 for Mine	
f) Total area covered under excavation/pits	2.974 Ha	2.974 Ha	
iii) Waste disposal (Rule 13)			
a) Location of dumps			
b) Method of dumping whether advancing/ retreat	Not Proposed		
c) Total area covered under waste dump	Not Proposed		
d) No. & size of each waste dump with number of steps lift/ bench.	Not Proposed	0	
e) Yearly generation of waste quantity.	914 te (Intercalated waste)	0	
f) Year-wise quantity of top soil removed, utilized & stacked.	512 te	0	
g) terrace height with drain provision in terrace	Not Proposed	----	
h) garland drain retaining wall settling tanks CheckDams	Not Proposed Not Proposed Not Proposed 01	---- ---- ---- 0	
iv) Environmental measures			
a) Afforestation, Location, area and nos	245 plants, Buffer Zone	1135 Saplings Buffer Zone	
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/ JCB
- (5) Hauling: Tractor/Tipper
- (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	----	Not Proposed	----
(b) Development/ Over burden:	914te	0	914te	0
(i) Top –soil	512 te	0	381 te	0
(ii) Any other over burden than top-soil, sub- grade ore and ROM mineral rejects	Not Proposed	----	Not Proposed	----
(iii) Sub-grade ore				
(iv) ROM mineral rejects				
(c) Production	60000 te	56500 te	60000 te	11000 te
(d) Ore: Overburden ratio	1:0.03	1:0	1:0.03	1:0
(e) Afforestation	245 Saplings	1145 Saplings	245 Plants	0

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

i) Mineral (Rule 15)

- | | |
|--|-------------------|
| (a) No benches in ore and waste | 4 benches in ore. |
| (b) Percentage of recovery of ore pit-wise w.r.t. ROM and total material | 90 |

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.

Small Scale Mining

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 excluding Royalty.
Reserves, : 813016 MT
Production, : 56500 te
Pit mouth value, : 293/- per te
Opening stock, closing stock : OS:1857 te, CS: 255.38 te
Land use pattern : 2.974 ha Mining, 0.541 ha Safety Zone, 0.535 ha Future use
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