

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

**MCDR INSPECTION REPORT**

**Goa regional office**

**Mine file No :** KNT/BJP/LST-74/GOA

**Mine code :** 38KAR26053

- (i) Name of the Inspecting : **KQ2** ) **KALMATA M.K.**  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Arjun Kolachi, Mines Manager.  
Official with  
Designation
- (iv) Date of Inspection : 30/05/2014
- (v) Prev.inspection date : 25/01/2010

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **HEBBAL (ML 2406)**
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address
- State : KARNATAKA
- District : BAGALKOT
- Village : HEBBAL
- Taluka : MUDHOL
- Post office : LOKAPUR
- Pin Code : 587122
- FAX No. : 08350-240335
- E-mail : malaprabha\_mining@yahoo.co
- Phone : 8350-340068
- (e) Police Station : Lokapur
- (f) First opening date : 24/06/2003
2. Address for : Shri H.G.Sripad, Mine Owner  
correspondance Parimala, Vidhyagiri  
Bagalkot, Karnataka
3. (a) Lease Number : KAR1361
- (b) Lease area : 4.2
- (c) Period of lease : 20
- (d) Date of Expiry : 23/06/2023
4. Mineral worked : LIMESTONE Main  
DOLOMITE Associated

## 5. Name and Address of the

Lessee : Shri H.G.Shripad  
M/s Ashirwad Minerals  
"Parimala", Vidyagiri,  
Mahantesh Road, Bagalkot.  
BAGALKOT KARNATAKA  
Phone:  
FAX :

Owner : H.G.SHRIPAD  
PARIMALA MAHANTESH  
VIDAYAGIRI BAGALKOT  
BAGALKOT KARNATAKA  
Phone: 08354--233258  
FAX : NIL

## Geologist

Name : Shri Suresh Khot, Part Time  
Qualification : MSc Geology  
Appointment/ : 01/08/2014  
Termination date

6. Date of approval of Mining : 20/11/2013  
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**

<b>Employment category</b>	<b>No.of employment</b>	<b>Av. yearly working days</b>
<b>DIRECT</b>		
<b>Managerial</b>	<b>1</b>	<b>310</b>
<b>Supervisory</b>	<b>1</b>	<b>310</b>
<b>Others</b>	<b>0</b>	<b>0</b>
<b>Ministrial</b>	<b>0</b>	<b>0</b>
<b>Plant</b>	<b>0</b>	<b>0</b>
<b>Workers</b>	<b>6</b>	<b>310</b>

**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	
Health	0.00	0.00	0.00	0.00	
Housing	0.00	0.00	0.00	0.00	
Medical facility	0.00	0.00	0.00	0.00	
Safety	0.00	0.00	0.00	0.00	
Sanitation	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>					
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	
<b>Sub total</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>Recreation</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>Employment</b>			<b>3.80</b>		
<b>Environment management</b>			<b>0.10</b>		
<b>Others</b>			<b>0.25</b>		for temple
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>4.15</b>	<b>0.00</b>	

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

Previously the mine was inspected on 11.07.2013 by DCOM and v/l cum show cause was issued under rule 13(1) of MCDR-1988. and due to non non compliance of the same the mine was suspended on 13/11/2013 under rule 13(2) of MCDR -88. the party have paid 1,25,000 as penalty to state government on 28.02.2014 for violation of rule 13(1) of MCDR-88, and same have been complied and suspension was revoked on 04.03.2013. In the present inspection v/l under rule 23 E(2), 45(5)(a) and 63 is issued for compliance.

**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.**

If lessee is fail to comply the violation of rules 23E(2), 45(5)(a) & 63 of MCDR-88, it also attracts rule13(2) of MCDR-88 & action to suspend the mining operation under rule 13(2) will be recommended to bring it to logical end.

**5. Scientific Mining**

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

- a.Type of prospecting : No proposal is  
and exploration i.e. made in the  
pitting, drilling present plan  
period.
- b.Total area covered : No proposal is  
made in the  
present plan  
period.

Nil.

Two boreholes were  
drilled covering an area  
of 1.00 ha**B. Working (Rule 13)**

- a.Number and size of : 245m(l) x 75m(w) x  
each pit (LxWxH) 3m(h)
- b.Bench : 240m(l) x 3m(h)  
size(LxWxH)length can irregular ( width  
be defined as not shown  
regular/irregular properly)
- d.Total area covered : 1.8 ha  
under excavation/pits

180m(l) x 80m(w) x  
10m(h)The dimesion of  
pit includes  
previous  
workings also.180m(l) x 5m(w) x 6m(h)  
irregular

1.4ha

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

- a.Location of dumps : It was proposed to  
use some quantity  
of waste for  
making roads and  
remaining was  
proposewd to dump  
between the co-  
ordinates 437E-  
494E & 25N-72N.
- e.Yearly generation : 3158 tons  
of waste quantity.
- b.Method of dumping : Retreat.  
whether  
advancing/retreat
- c.Total area covered : 0.175 ha  
under waste dump.
- d.No.and size of each : 50m(l) x 35m(w) x  
waste dump with No of 5m(h)  
steps/lift/bench

Dumping was made in  
between 100E-50E &150N-  
50N.

1500 tons

Dumping was made  
irregularly.

0.14ha

60m (l) x 35m(w) x 1m(h)  
and 30m(l) x 10m(w) x  
1m(h)  
Dumping was  
made  
irregularly at  
western part of  
the lease.**D. Production**

- b.Year wise : 2009-10  
production of last 55000 tons  
five year. 2010-11

2009-10  
2130 tons  
2010-11

55000 tons	1454 tons
2011-12	2011-12
55000 tons	11626 tons
2012-13	2012-13
55000 tons	9850 tons
2013-14	2013-14
60000 tons	500 tons

**D. Reserve**

a. Reserve position as per latest MP/MS and at the time of inspection.	Classification Unfc code Quantity in tons Proved Reserves 111 1900687 Pre feasibility Resources 221 1544760 222 1337935	Classification Unfc code Quantity in tons Proved Reserves 111 1900187 Pre feasibility Resources 221 1544760 222 1337935
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**RESERVE POSITION AS ON 01/04/2014**

<b>LIMESTONE</b>		
Category	Quantity in Tonnes	Grade
Proved	1900187	Cao 48.40
Probable		
Possible	2882695	
Total	4782882	

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

Mineral	Production	Unit
LIMESTONE	500	TON

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

Efforts for improving low grade and sub grade mineral. : NA.

Efforts for improving percentage of recovery of ore. : NA.

**Mineral Rule 15**

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

Number of benches in ore and waste. : Two benches in ore and waste is found in the form of intercalated clay.

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

Qty of yearly generation and total qty available during inspection with grade : Nil.

Number and size of each stack : Nil.

Location of stacking. : Nil.

Separate stacking from waste : No sub grade was generated.

Total area covered for stacking : Nil.

**Exploration data as on 31/03/ 2014**

No. of Boreholes	No. of Pits	No. of Trenches
2	0	0

**OVERBURDEN HANDLED DURING PREVIOUS YEAR 2013 - 2014**

Overburden/waste removed (in m3) :	750
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**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. : Plain undulating terrain with rocky exposures.
- b. Aesthetic environment : Land is degraded by mining.
- c. Soil and land use pattern : About 0.5 to 1.00m thick top soil cover is there in the un broken up area. Some quantity of top soil was utilized for plantation along the lease boundary.
- d. Agriculture : Sugarcane , Maize, Jowarare the major crops of the area.
- e. Forest(flora and fauna) : No forest with in the lease.
- f. Vegetation : No vegetation with in the lease area.
- h. Public building, places and monuments (protected, historical), placec of worship and places of tourist : Nil.

**B Water environment.**

- a. Surface water : No surface water with in the lease area. some rain water was stocked in the pit.
- b. Ground water : Ground water is at the depth of 200-250ft.
- c. Quality of water : Ground water is potable.

**C. Air environment**

- a. Noise : Manual mines.Hence impact is negligible.
- b. Air : Manual mines. Hence impact is negligible.
- c. Climatic condition : The climate is warm and dry throughout the year andrain is scarce. The average rainfall in the region is approximately 350-400mm/annum.

**D. Socio economic environment**

- a. Social and demographic profile. : Agriculture is the major occupation of the people of the area.Mining and cement industries provides employment in small scale.
- b. Recommending health and safety. : Lokapur primary health center is 6-7 km from the lease area.
- c. Human settlement : There is no human settlement with in the lease area.
- d. Recreational facility. : NIL.

**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	Value

Type of area	Parameter	Actual	Excess
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<u>PLANTATION DURING THE PREVIOUS YEAR</u>			<u>2013 - 2014</u>			Area in Hect.
Within lease area			Outside lease area			
Area	Trees planted	Survival rate	Area	Trees planted	Survival rate	
.05	200	55				

<b>TOP SOIL MANAGEMENT</b>
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.**

The annual return submitted for the year 2012-13 was produced for the scrutiny and it was observed that the reserve column was kept blank, opening balance and closing balance in the production table was not shown. The deficiencies observed in the annual returns were shown to lessee and advised to send revised returns to this office at the earliest

**PART - III : PERFORMANCE OF MINE OWNER**

(In case of lease expiring within 2 years - as per guidelines)

**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 :**

**(KALMATA M.K.)**

Indian Bureau of Mines