

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

MCDR INSPECTION REPORT

Goa regional office

Mine file No : KNT/BJP/LST-64/GOA

Mine code : 38KAR26047

- (i) Name of the Inspecting : **G001**) **GUMNA RAM**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh.Vijay Raikar & V.B.Kalagi,MM
Official with
Designation
- (iv) Date of Inspection : 13/10/2015
- (v) Prev.inspection date : 18/09/2014

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **LOKAPUR (ML 2390)**
- (b) Category : A Other than Fully Mech.
- (c) Type of Working : Opencast
- (d) Postal address
State : KARNATAKA
District : BAGALKOT
Village : Lokapur
Taluka :
Post office :
Pin Code : 01
FAX No. :
E-mail : raikarmines@gmail.com
Phone : 9480533560
- (e) Police Station : Lokapur
- (f) First opening date : 13/04/2003
2. Address for : Lokapur Limestone Mine of M/s Vadiraj Minerals
correspondance AT-Lokapur Tq-Mudhol
Dist-Bagalkot , Karnataka-587122
3. (a) Lease Number : KAR1476
(b) Lease area : 4.86
(c) Period of lease : 20
(d) Date of Expiry : 12/03/2023
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : C.G.RAIKAR
 C/o Vijayalaxmi Jewellers
 Vallabhai Chowk Bagalkot
 BAGALKOT KARNATAKA
 Phone:0835-420456
 FAX :

Owner : C.G.RAIKAR
 C/o-Vijayalaxmi Jewellers
 Vallabhai Chowk Bagalkot
 BAGALKOT KARNATAKA
 Phone: 08354-222126
 FAX :

Mining Engineer

Name : Bandi Prabhakar Reddy, Part Time
 Qualification : Diploma in Mining Engg
 Appointment/ : 01/01/2014
 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

Employment category	No.of employment	Av. yearly working days
DIRECT		
Managerial	1	305
Plant	1	305
Workers	10	305
Supervisory	1	305

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					
Medical facility	0.00	0.00	0.00	0.00	
Sanitation	0.00	0.00	0.00	0.00	
Safety	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	
Water supply	0.00	0.00	0.00	0.00	
Sub total	0.00	0.00	0.00	0.00	
Infrastructure					
Public transport	0.00	0.00	0.00	0.00	
Roads	0.00	0.00	0.00	0.00	
Communication	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	
Employment	0.00	0.00	0.00	0.00	
Sports activities	0.00	0.00	0.00	0.00	
Environment management	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	
Recreation	0.00	0.00	0.00	0.00	
Total	0.00	0.00	0.00	0.00	

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

Previous inspection Violation of rules Compliances
18/9/2014 23(E) (2)&63 Under process

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.

Suspension of mining operations under rule 13(2) or prohibition of deployment of any person under rule 56 of MCDR, 1988 is not recommended at this stage.

5. Scientific Mining

Items	Proposal	Actual work done	Remarks
A. Exploration (Rule 13)			
a.Type of prospecting and exploration i.e. pitting, drilling	: It was proposed to drill 04 number of DTH borehole up to 60m depth each in scheme period.	Two number of DTH borehole up to 20m depth each drilled & copy of form-J submitted to this office.	
b.Total area covered	: The lease area is still remain for detail drilling.	Almost lease area is covered under exploration by DTH drilling. Total five number of exploratory borehole done till.	
B. Working (Rule 13)			
a.Number and size of each pit (LxWxH)	: Single pit	Single pit, About 385mx100mx12m	
b.Bench size(LxWxH)length can be defined as regular/irregular	: Regular	Iregular bench of variable height with intercalated waste bends in middle of lease.	
c.Ore to waste ratio pit wise if possible otherwise for mine	: 1:0.11	1:0.10	
d.Total area covered under excavation/pits	: It was proposed to work as earmarked in plate no 6A,6B,6C in scheme period for the years.	Mining operation has not been carried out as proposed in above mentioned plates till. The total area excavated is about 4Ha.	Violation of rule 13(1) pointed out for rectification of rules.
C. Waste disposal (Rule 13)			
a.Location of dumps	: It was proposed to dump as earmarked in plates in NW of lease.	No dumping taken placed on earmarked ground. The intercalated waste dumped for bund formation in western side of lease area with in 7.5m satutory barrier.	
e.Yearly generation of waste quantity.	: 10000T	9000T	
b.Method of dumping whether advancing/retreat	: NA	NA	
c.Total area covered under waste dump.	: 0.05Ha.	0.025Ha.	
d.No.and size of each waste dump with No of steps/lift/bench	: Single	Single	

D. Production

b. Year wise	: 2011-	2011-12=46100T
production of last	12=100000T (ROM)	2012-13=89851T
five year.	2012-13=100000T	2013-14=30865T
	2013-14=100000T	2014-15=89000T
	2014-15=100000T	2015-16 (Up to
	2015-16=100000T	Sept.15)=66376.2T

D. Reserve

a. Reserve position as :-	Reserves as per UNFC as
per latest MP/MS and	on 01.4.2015 is as
at the time of	follows-111,121&122-
inspection.	1149290T & remaining
	resources is 3573080T

RESERVE POSITION AS ON 01/04/2015

LIMESTONE		
Category	Quantity in Tonnes	Grade
Proved	1149290	Cao%-48.93 & Mgo%-1.86
Probable	518093	
Possible	3054987	
Total	4722370	

PRODUCTION FOR THE PREVIOUS YEAR 2014 - 2015

Mineral	Production	Unit
LIMESTONE	89000	TON

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

Efforts for improving low grade and sub grade mineral. : Entire material is utilising by proper blending & size separation as per buyers requirement.

Efforts for improving percentage of recovery of ore. : Bu proper sizing & sorting of mineral & utilising by proper blending.

Mineral Rule 15

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

Number of benches in ore and waste. : Three benches in limestone

Sub/grd mineral/fines (Rule16)

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 : The intercalated waste generation is putting seperately as OB for making bund/roads etc.

Total area covered for stacking : NIL

Exploration data as on 31/03/ 2015

No. of Boreholes	No. of Pits	No. of Trenches
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OVERBURDEN HANDLED DURING PREVIOUS YEAR 2014 - 2015

Overburden/waste removed (in m3) :	3900
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Utilisation of Sub Grade Mineral and Mineral Rejects

Generated	Utilised	Stacked	(In Ton.)
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7. Environment Management - both quantitative and qualitativ**A. Land environment**

- a. Landscape. : Undulated flat terrain with rocky exposure
- b. Aesthetic environment : Degraded mining land/pit.
- c. Soil and land use pattern : The top soil is utilised for plantation /afforestation.
- d. Agriculture : Seasonal Paddy crops/Sugarcane etc.
- e. Forest(flora and fauna) : No forest land involved.
- f. Vegetation : Naturally grown thorny bushes & shrubs existing
- h. Public building, places and monuments (protected, historical), place of worship and places of tourist : No Public building, places and monuments (protected, historical), place of worship and places of tourist.

B Water environment.

- a. Surface water : No surface waterbody/course observed near by area.
- b. Ground water : No seepage of ground water observed.
- c. Quality of water : Water analysis done & no adverse reported.

C. Air environment

- a. Noise : Noise survey done & nothing adverse is reported.
- b. Air : Air monitoring done & no adverse is reported.
- c. Climatic condition : Tropical & semi Arid.

D. Socio economic environment

- a. Social and demographic profile. : The main occupation of people living in surrounding villages are agriculture work & animal rearing etc.
- b. Recommending health and safety. : None
- c. Human settlement : The population living with 5Km radius of mine is about 16647 numbers of 9villages (Census-2001)
- d. Recreational facility. : None

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.

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.

Lessee/Party has been submitted the Annual return for the year 2014-15 with in stipulated in old format in H9 & accordingly violation pointed out for rectification to submit online return thorough IBM website/hard copy with having entire details.

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 :

(GUMNA RAM)

Indian Bureau of Mines