

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

MCDR INSPECTION REPORT

Goa regional office

Mine file No : KNT/BJP/LST-89/GOA

Mine code : 38KAR26070

- (i) Name of the Inspecting : **G001**) **GUMNA RAM**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri L.S.Hiremath, Lessee
Official with
Designation
- (iv) Date of Inspection : 25/04/2014
- (v) Prev.inspection date : 18/03/2011

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **LOKAPUR (ML. NO. 2575)**
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address
State : KARNATAKA
District : BAGALKOT
Village : LOKAPUR
Taluka : MUDHOL
Post office : LOKAPUR
Pin Code : 587122
FAX No. : 08350-240149
E-mail : bml2575@gmail.com
Phone : 9448225799
- (e) Police Station : LOKAPUR
- (f) First opening date : 06/03/2008
2. Address for : SHRI L.S.HIREMATH
correspondance : GANIGARA GALLI, AT& PO-LOKAPUR-587122,
TQ-MUDHOL, DIST-BAGALKOT
3. (a) Lease Number : KAR1521
(b) Lease area : 4.86
(c) Period of lease : 20
(d) Date of Expiry : 03/02/2028
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : LINGANAND S HIREMATH
 GANIGARA GALLI LOKAPUR TQ-
 MUDHOL BAGALKOT KARNATAKA
 Phone:9448225799
 FAX :

Owner : LINGANAND S HIREMATH
 GANIGARA GALLI AT & PO-
 LOKAPUR TQ-MUDHOL BAGALKOT
 KARNATAKA
 Phone:
 FAX :

Mining Engineer

Name : GIRISH BELLARI, Full Time
 Qualification : B.Tech.(Mining), Second Class Mine Mgr.
 Appointment/ : 01/08/2014
 Termination date

Manager

Name : Shri B.R.Hebbal
 Qualification : Mine mate permit manager holder
 Appointment/ : 01/11/2013
 Termination date

6. Date of approval of Mining : 26/07/2013
 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	78
Workers	1	78
Supervisory	1	78

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					
Sanitation	0.00	0.00	0.00	0.00	
Water supply	0.00	0.00	0.00	0.00	
Safety	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	
Sub total	0.00	0.00	0.00	0.00	
Infrastructure					
Roads	0.00	0.00	0.00	0.00	
Electricity	0.00	0.00	0.00	0.00	
Public transport	0.00	0.00	0.00	0.00	
Communication	0.00	0.00	0.00	0.00	
Sub total	0.00	0.00	0.00	0.00	
Training	0.00	0.00	0.00	0.00	
Environment management	0.00	0.00	0.00	0.00	
Sports activities	0.00	0.00	0.00	0.00	
Employment	0.00	0.00	0.00	0.00	
Recreation	0.00	0.00	0.00	0.00	
Others	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.

Last MCDR inspection	Rules	compliances
18/03/2011		NIL
25/04/2014 AN	13(1),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, 19888, if recommended.

No such recommendations have been made presently.

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	: It was proposed to drill 02 No.of DTH borehole up to 20m depth in the year 2012-13.	Not done & intimated to this office till date.	Violation under rule 13(1) of MCDR,88 pointed out for rectification.
b.Total area covered	: Not proposed entire area	NIL	

B. Working (Rule 13)

a.Number and size of each pit (LxWxH)	: Single pit (6459m2)	Single pit (4000m2) & mining operation done as proposal partly due to less production achieved for under process of document approval.
b.Bench size(LxWxH)length can be defined as regular/irregular	: Regular	Irregular
c.Ore to waste ratio pit wise if possible otherwise for mine	: 1:0.20	1:0.59
d.Total area covered under excavation/pits	: ----	Total excavated area is about 1.0Ha.

C. Waste disposal (Rule 13)

a.Location of dumps	: It was proposed to dump as earmarked ground for crusher ramp & local people.	Intercalated waste was utilised for ramp work partly & remaining dumped earmarked.
e.Yearly generation of waste quantity.	: 10,000T	1200T
b.Method of dumping whether advancing/retreat	: Not proposed	NIL
c.Total area covered under waste dump.	: 0.463Ha area for the plan period proposed for waste dump.	About 0.05Ha.
d.No.and size of each waste dump with No of steps/lift/bench	: Single dump	Single dump

D. Production

b.Year wise production of last five year.	: 2009-10=4422T 2010-11=5528T 2011-12=6633T	2009-10=4055T 2010-11=5298T 2011-12=6338T
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2012-13=50,000T	2012-13=2030T
2013-14=50,000T	2013-14=2615T

D. Reserve

a. Reserve position as : --
per latest MP/MS and
at the time of
inspection.

Total limestone mineral
reserves available as on
01.4.2013 as per
approved SOM according
to UNFC (111,121&122)-
939037T (Cao-50.13,Mgo-
6.38)

RESERVE POSITION AS ON 01/04/2014

LIMESTONE		
Category	Quantity in Tonnes	Grade
Proved	939037	limestone mineral reserves available as on 01.4.2
Probable	233273	
Possible	287922	
Total	1460232	

PRODUCTION FOR THE PREVIOUS YEAR 2013 - 2014

Mineral	Production	Unit
LIMESTONE	2030	TON

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

Efforts for improving low grade and sub grade mineral. : Manual sorting and sizing and low grade/subgrade blend with high grade & utilised.

Efforts for improving percentage of recovery of ore. : Manual sorting and sizing only

Mineral Rule 15

Percentage of recovery of ore pitwise w.r.t. ROM and total material : About 85-90%

Number of benches in ore and waste. : Single bench in ore of about 3m height

Sub/grd mineral/fines (Rule16)

Qty of yearly generation and total qty available during inspection with grade : No subgrade mineral is being generated presently & about 700T mineral reject .

Number and size of each stack : No subgrade mineral is being generated presently.

Location of stacking. : No subgrade mineral is being generated presently.

Separate stacking from waste : No subgrade mineral is being generated presently.

Total area covered for stacking : No subgrade mineral is being generated presently.

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**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. : The topography of the area is flat.
- b. Aesthetic environment : There is no significant features of aesthetic importance in the area. Degraded mining pit.
- c. Soil and land use pattern : There is no top soil.
- d. Agriculture : Crop of sugarcane & jawar is being taken from the agriculture field.
- e. Forest(flora and fauna) : No forest land involved.
- f. Vegetation : There is no vegetation in the ML area.
- h. Public building, places and monuments (protected, historical), placec of worship and places of tourist : There is no public building, monuments, place of worship and place of tourist inerest in the area.

B Water environment.

- a. Surface water : There is no any surface water body in the surrounding ML area.
- b. Ground water : The mining is carried out much above the ground water table.
- c. Quality of water : The ground water of the area is potable.

C. Air environment

- a. Noise : Since the mining operation on small scale no adverse impact of mining is noticed.
- b. Air : There is no adverse impact on quality of air.
- c. Climatic condition : The maximum temp. during summer is 44C and minimum temp. during winter is 15C

D. Socio economic environment

- a. Social and demographic profile. : The main occupation of the people of the area is agriculture.
- b. Recommending health and safety. : There is no occupational diseas reported in the area in the recent past.
- c. Human settlement : There is no habitation in the nearby ML area.
- d. Recreational facility. : The recreational faciltiy is available at Lokapur town which is about 2Km away.

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>			Value
Season	Station name		

Type of area	Parameter	Actual	Excess
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<u>PLANTATION DURING THE PREVIOUS YEAR</u>	<u>2013 - 2014</u>
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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.

Annual return for the year 2012-13 has been submitted to this office & no significant deficiencies observed.

Production-2030T

Opening stock-2519.15T

Dispatch-2131.12T

Closing stock-2418.03T

PMV-275Rs./T

Land use details- Excavated area is about 1Ha.

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 was executed for 20years WEF 04.2.2008 & date of expiry is 03.2.2028.

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

Mining plan was approved vide this office letter No.MP/MAN-601(KNT)/GOA/2006-07 Dated-19.2.2007 & subsequently scheme of mining was approved vide this office letter No.MSH/MAN-260(KNT)/GOA/2012-13 Dated-26.7.2013 for the period 2012-13 to 2016-17

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.)

Boundary of lease pillars are not authenticated by the state govt of DGPS by lessee & action may be initiated accordingly.

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

NIL

Date :

(GUMNA RAM)

Indian Bureau of Mines