

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

MCDR INSPECTION REPORT

Goa regional office

Mine file No : KNT/BJP/LST-86/GOA

Mine code : 19KAR26014

- (i) Name of the Inspecting : **G001**) **GUMNA RAM**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : S/Shri GSN Murthy & Kadlimatti, Lessee Rep.
Official with
Designation
- (iv) Date of Inspection : 15/10/2015
- (v) Prev.inspection date : 26/04/2014

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **THIMMAPUR (ML NO. 2508)**
- (b) Category : A Other than Fully Mech.
- (c) Type of Working : Opencast
- (d) Postal address
State : KARNATAKA
District : BAGALKOT
Village : THIMMAPUR
Taluka : MUDHOL
Post office :
Pin Code : 587122
FAX No. : NA
E-mail : gouddhanraj@gmail.com
Phone : 09663062050
- (e) Police Station : LOKAPUR
- (f) First opening date : 01/01/2011
2. Address for : AT-KANASAGERI
correspondance : PO-DADANAHATTI
TQ-MUDHOL, DIST-BAGALKOT, KARNATAKA
3. (a) Lease Number :
(b) Lease area :
(c) Period of lease :
(d) Date of Expiry :
4. Mineral worked : LIMESTONE Associated
DOLOMITE Main

5. Name and Address of the

Lessee : NINGANAGOWDA A. PATIL
 VILLAGE-KANASAGERI, POST-
 DADANAHATTI, TALUKA-MUDHOL
 BAGALKOT KARNATAKA
 Phone:
 FAX :

Owner : NINGANAGOUDA A PATIL
 AT-KANASAGERI PO-
 DADANAHATTI TQ-MUDHOL
 BAGALKOT KARNATAKA
 Phone: 09663062050
 FAX :

Manager

Name : Shri Lalu Shankar Lamam
 Qualification : Mine mate permit manager holder
 Appointment/ : 01/01/2013
 Termination date

6. Date of approval of Mining : 07/08/2013
 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		
Supervisory	1	300
Managerial	1	300
CONTRACT		
Ministrial	1	300
Plant	4	
Workers	5	300

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					
Health	0.00	0.00	0.00	0.00	
Safety	0.00	0.00	0.00	0.00	
Medical facility	0.00	0.00	0.00	0.00	
Housing	0.00	0.00	0.00	0.00	
Sanitation	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					
Electricity	0.00	0.00	0.00	0.00	
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	
Sub total	0.00	0.00	0.00	0.00	
Environment management	0.00	0.00	0.00	0.00	
Others	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	
Training	0.00	0.00	0.00	0.00	
Sports activities	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 mcdr inspection Violation of rules Compliance status
26/04/2014 FN 13(1),45(5)(b),23(E)(2),63 Complied.

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.

No such suspension of mining operations under rule 13(2) or prohibition of deployment of any person under rule 56 of MCDR, 1988 is recommended 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 03number of DTH borehole up to 40m depth in previous year of this scheme period.	No such exploratory borehole done & repored.	Violation under provision of rule 13(1) pointed out to lessee for rectification.
b.Total area covered	: Entire lease area is not explored yet.	The lessee failed to explored the core drilling boreholes instead of 3DTH as per condition in revocation order of suspension of this mine.	V/L pointed out for rectification & compliance of UNFC.

B. Working (Rule 13)

a.Number and size of each pit (LxWxH)	: It was proposed to work in pit No.1 as earmarked in plate no.6	The mining excavation work has not been carried out as proposed & earmarked in plate No.6 and formed more than 3m bench height & second benches also. (Total excavated area is about 0.7Ha.)	Violation pointed out for rectification for change of place of workings by modification in AMS.
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	: 1:0.05	1:0.04	The lease area is not explored fully & presently only dolomite is available, even though ML was granted for limestone mineral & subsequently dolomite inserted.
d.Total area covered under excavation/pits	: It was proposed to work as earmarked in plate No.6.	The excavation of mine workings is deviated from proposal & legging & developed in second bench also where no proposal was there. Total excavated area is about 0.7Ha.	

C. Waste disposal (Rule 13)

- a. Location of dumps : It was proposed to dump the intercalated waste as earmarked for approach road & bund. The intercalated waste was dumped near crusher foundation & NW of lease area where no proposal was there.
- e. Yearly generation of waste quantity : 2105T About 950T
- b. Method of dumping whether advancing/retreat : Retreat Retreat
- c. Total area covered under waste dump : 0.039Ha About 0.025Ha.
- d. No. and size of each waste dump with No of steps/lift/bench : Single Single

D. Production

- b. Year wise production of last five year. : 2011-12=42120T 2011-12=0T
2012-13=42120T 2012-13=14316T
2013-14=42105T 2013-14=13500T
2014-15=42105T 2014-15=19550T
2015-16=42105T 2015-16=18000T(up to sept.15)

D. Reserve

- a. Reserve position as per latest MP/MS and at the time of inspection. : - Reserves position as per UNFC as on 01.4.2015 is as follows-
558767T(111,121&122),
Remaining resources-
838130T (dolomite) &
Limestone-NIL

RESERVE POSITION AS ON 01/04/2015

LIMESTONE		
Category	Quantity in Tonnes	Grade
Proved	0	
Probable	0	
Possible	0	
Total	0	
DOLOMITE		
Category	Quantity in Tonnes	Grade
Proved	558767	Cao-30.02%&Mgo-19.88%
Probable	435916	
Possible	402214	
Total	1396897	

PRODUCTION FOR THE PREVIOUS YEAR 2014 - 2015

Mineral	Production	Unit

		Unit
LIMESTONE	0	TON
DOLOMITE	19550	TON

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

- Efforts for improving low grade and sub grade mineral. : There is no subgrade mineral is being generated presently. However stacked seperately & utilising by proper sizing & suitable blending of ore as per buyers requirement.
- Efforts for improving percentage of recovery of ore. : By manual picking & size seperation of ROM & utilising by proper blending.

Mineral Rule 15

- Percentage of recovery of ore pitwise w.r.t. ROM and total material : About 90% of ROM
- Number of benches in ore and waste. : Two benches in ore of about 3m bench height in pit no.1

Sub/grd mineral/fines (Rule16)

- Qty of yearly generation and total qty available during inspection with grade : There is no subgrade mineral is being generated presently. However stacked seperately & utilising by proper sizing & suitable blending of ore as per buyers requirement.
- Number and size of each stack : Single with in lease area in NW side
- Location of stacking. : There is no subgrade mineral is being generated presently. However stacked seperately & utilising by proper sizing & suitable blending of ore as per buyers requirement.
- Separate stacking from waste : There is no subgrade mineral is being generated presently.
- Total area covered for stacking : The mineral stacked/stack yard made at NW of lease area where no proposal was there.

Exploration data as on 31/03/ 2015

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

OVERBURDEN HANDLED DURING PREVIOUS YEAR 2014 - 2015

Overburden/waste removed (in m3) :	0
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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. : Plains and non-forest area.
- b. Aesthetic environment : Degraded mining pit.
- c. Soil and land use pattern : Top soil is available & stored seprately and utilising for plantaion work with in ML area.
- d. Agriculture : No agriculture work done in mining lease area & seasonal crops of jawar & sugarcane in there in surrounding area.
- e. Forest(flora and fauna) : No forest land involved.
- f. Vegetation : There is no vegetation with in ML area except naturally grown shrubs & bushes.
- h. Public building, places and monuments (protected, historical), placec of worship and places of tourist : No Public building, places and monuments (protected, historical), placec of worship and places of tourist.

B Water environment.

- a. Surface water : No ground waterbodies within ML. and GWT lies below 500m RL.
- b. Ground water : There is no water discharge from the ML.
- c. Quality of water : No adverse effects of water pollution was reported as manual mining of small scale.

C. Air environment

- a. Noise : No adverse effects of noise pollution was reported as manual mining of small scale.
- b. Air : No adverse effects of air pollution was reported as manual mining of small scale.
- c. Climatic condition : Arid to semi-arid climatic condition. The annual rain fall is around 600 mm. The maximum and minimum temp. measures are 41 deg. C and 17 deg. C. repsectively.

D. Socio economic environment

- a. Social and demographic profile. : Rural Social status and agriculture is main occupation of surrounding villagers.
- b. Recommending health and safety. : There is a qualified Medical officer in the Government hospital at Lokapur, which is around 7 kms from the mine site.
- c. Human settlement : There is no human habitation within ML. However, 7 villages are located in buffer zone area of 5kms radius with total population of 10,530.
- d. Recreational facility. : None.Cinemas, Parks and other Recreational facilities are at Mudhol, Taluka H/Q, which is around 15 kms from the mine site.

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.
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<u>TOP SOIL MANAGEMENT</u>
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.

The lessee has not been submitted the annual return for the year 2013-14 & 2014-15 in prescribed form with in stipulated time to this office till date & accordingly violation of rules 45(5)(b) under provision of MCDR,88 is pointed out for rectification.

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.)

The mining lease was executed & granted for both the mineral limestone & dolomite but presently only dolomite is existed & mined out . The entire lease area is not explored yet , therefore limestone may be occur in future,if any.

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

NIL

Date :

(GUMNA RAM)

Indian Bureau of Mines