

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

MCDR INSPECTION REPORT

Goa regional office

Mine file No : KNT/BJP/LST-94/GOA

Mine code : 38KAR26074

- (i) Name of the Inspecting : **K03**) **G. S. KANNAN**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Shri. A.B.Angal, Mines Owner
Official with
Designation
- (iv) Date of Inspection : 17/02/2016
- (v) Prev.inspection date : 19/12/2014

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **NAGANPUR (M.L.NO.2609)**
- (b) Category : A Other Mechanised
- (c) Type of Working : Opencast
- (d) Postal address
State : KARNATAKA
District : BAGALKOT
Village : NAGANAPUR
Taluka : MUDHOL
Post office : LOKAPUR
Pin Code : 587313
FAX No. : 08350-282963
E-mail : srishaminerals@gmail.com
Phone : 9448342963
- (e) Police Station : LOKAPUR
- (f) First opening date : 05/08/2009
2. Address for : AT-NAGANAPUR
correspondance : TQ-MUDHOL
DIST-BAGALKOT, KARNATAKA
3. (a) Lease Number :
(b) Lease area :
(c) Period of lease :
(d) Date of Expiry :
4. Mineral worked : DOLOMITE Associated
LIMESTONE Main

5. Name and Address of the

Lessee : A.B.ANAGAL
 ANAND NAGAR MUDHOL TQ-
 MUDHOL BAGALKOT KARNATAKA
 Phone:09448342963
 FAX :

Owner : A.B.ANAGAL
 ANAND NAGAR MUDHOL
 BAGALKOT KARNATAKA
 Phone:
 FAX :

Geologist

Name : A Vijaykumar, Full Time
 Qualification : MSC Geology
 Appointment/ : 01/11/2014
 Termination date

6. Date of approval of Mining : 31/07/2014
 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	2	310
Supervisory	2	310
CONTRACT		
Workers	6	310

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	
Health	0.00	0.00	0.00	0.00	
Housing	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	
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	
Environment management	0.00	0.00	0.00	0.00	
Employment	0.00	0.00	0.00	0.00	
Others	0.00	0.00	0.00	0.00	
Training	0.00	0.00	0.00	0.00	
Recreation	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.

The Mine was Inspected under MCDR Inspection on 19.12.2014 and Violation has issued under Rule 13(1), 45(5)(b) & 42(1)(c)(1) and Violation has been Complied on 27.05.2015.

Recently mine was Inspected under MCDR Inspection on 16.02.2016 under the Field Guidances of RCOM, Goa. Based on that Violation has been pointed out under Rule and Issued to the Lessee.

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.

Suitable follow up action will be initiated under rule 13(2), if compliance of rule 13(1) is not found satisfactory within stipulated period.

5. Scientific Mining

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

a.Type of prospecting : 2 DTH Boreholes and exploration i.e. pitting, drilling	Proposed for year 2015-2016.	Nil	Violation under Rule 13(1) issued
b.Total area covered :	Entire Lease area	Nil	Recommended to drill Core Borehole

B. Working (Rule 13)

a.Number and size of each pit (LxWxH)	I & II Bench, Co-ordinates 50N-250N to 50E-280E	I & II Bench, Co-ordinates 50N-250N to 100E-280E	
b.Bench size(LxWxH)length can be defined as regular/irregular	: Regular	Regular	
c.Ore to waste ratio pit wise if possible otherwise for mine	: 1 : 0.05	1.0.10	
d.Total area covered under excavation/pits	: 1.334 Hecatres	1.200 Hecatres	Total area excavated = 2.700 Hecatres

C. Waste disposal (Rule 13)

a.Location of dumps	: NW of Lease Area	NW of Lease Area	
e.Yearly generation of waste quantity.	: 5263 Tons for Limestone	800 Tons	
b.Method of dumping whether advancing/retreat	: Advancing	Retreat	Using dump materials as Ramp for Proposed crusher
c.Total area covered under waste dump.	: 0.0643 Hectares for Year 2014-2015	0.050 Hecatres	
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.	: 2014-2015=100000 Tons 2013-2014=20000 Tons 2012-2013=20000 Tons 2011-2012=20000 Tons 2010-2011=20000 Tons	2014-2015=19500Tons 2013-2014=12000 Tons 2012-2013=14000 Tons 2011-2012=12611 Tons 2010-2011=13300 Tons	
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D. Reserve

a. Reserve position as : As on 01.04.2015 As on 01.04.2015
per latest MP/MS and Reserves = 809992 Reserves = 890492 Tons
at the time of Tons Resources = 2862199 Tons
inspection. Resources =
2862199 Tons

RESERVE POSITION AS ON 01/04/2015

LIMESTONE		
Category	Quantity in Tonnes	Grade
Proved	890492	Cao=46.66
Probable	2095709	Cao=46.66
Possible	766490	Cao=46.66
Total	3752691	Cao=46.66

PRODUCTION FOR THE PREVIOUS YEAR 2014 - 2015

Mineral	Production	Unit
LIMESTONE	19500	TON

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

Efforts for improving low grade and sub grade mineral. : Low Grade Limestone is blended with high Grade, Manual Sizing & Sorting of Ore is doing

Efforts for improving percentage of recovery of ore. : Low Grade Limestone is blended with high Grade, Manual Sizing & Sorting of Ore is doing. Proposal for Screening Plant, hence it will improve the recovery percentage

Mineral Rule 15

Percentage of recovery of ore : 95 %
pitwise w.r.t. ROM and total material

Number of benches in ore and waste. : Waste - One Bench
Ore - 2 Benches

Sub/grade mineral/fines (Rule 16)

Qty of yearly generation and total qty available during inspection with grade : No Sub Grade Mineral is being generated Presently. Entire Mineral is utilised by blending with high grade & selling as per buyers requirements

Number and size of each stack : Not Applicable. No Sub Grade Mineral is being generated Presently.

Location of stacking. : Not Applicable. No Sub Grade Mineral is being generated Presently.

Separate stacking from waste : No Sub Grade Mineral is being generated Presently. Entire Mineral is utilised by blending with high grade & selling as per buyers requirements

Total area covered for stacking : Not Applicable. No Sub Grade Mineral is being generated Presently.

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**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. : Flat Terrain topography with Outcrops
- b. Aesthetic environment : Degraded mining land
- c. Soil and land use pattern : Thin soil is present at some Places
Landuse Pattern
Area under Mining = 2.00 Hect
Dump = 0.20 Hect
Road = 0.010 Hect
Green Belt = 0.50 Hect
Crusher Proposed = 0.02 Hect
Unsed area = 2.13 Hect
- d. Agriculture : Seasonal Crops of Jawar, Sugarcane
- e. Forest (flora and fauna) : Non Forest land
- f. Vegetation : Scanty vegetation, bushes, neem are observed in lease area
- h. Public building, places and monuments (protected, historical), place of worship and places of tourist : No such areas in the mining lease area

B Water environment.

- a. Surface water : There is no Surface water courses observed in existing ML area. Only Seasonal water bodies are present.
- b. Ground water : No seepage of ground water observed and nothing adverse is reported. Ground water is Potable and used for domestic purpose.
- c. Quality of water : Nothing adverse is reported.

C. Air environment

- a. Noise : Survey has been done, nothing adverse is reported
- b. Air : Survey has been done, nothing adverse is reported
- c. Climatic condition : Climate is Warm & Dry through out the year and average rainfall is 350-400mm/ annum

D. Socio economic environment

- a. Social and demographic profile. : The population of rural background exists in nearby villages/ area with main occupation of agriculture, Mining and animal rearing
- b. Recommending health and safety. : Shelter room, first aid station is available in mine area. Hospitals/Clinics are existing at Lokapur at 15km away from ML
- c. Human settlement : There are 5 villages are existing within 5km radius from ML
- d. Recreational facility. : Available at Lokapur

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.

Annual returns for the year 2014 - 2015 scrutinised during inspection of mine and deficiencies were explained to mines manager for correction.

Land use pattern: It is filled up correctly.

Manpower and technical staff: Mining Geologist is not included.

Reserves: Balance reserves as on 01.04.2015 are not given.

Production & despatch figures: It is filled up correctly.

Cost of operation: It is filled up correctly

Pit mouth value: It is filled up correctly

Ex Mine Price: It is not filled

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 No:- 2609
 Lease area:- 4.86 Ha
 Lease Period:- 50 Years Dt of grant:- 10.07.2009 Dt of Expiry :- 09.07.2059
 Name of Lessee:- Shri.A.B. Anagal
 Name of Mine:- Naganapur Limestone Mine
 Location:- Naganapur Village, Mudhol Taluka, Bagalkot District, Karnataka

Compliance of terms and Conditions of Lease deed appears to be Satisfactory.

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

The Lessee has complied on the Violation issued.

c. Conduct with regard to adoption of safety measures and forest wealth, ecology and environment in the mining lease area.

The Precautionary measures are being taken care by the Lessee on the above aspects in the form of providing safety helmets, afforestations, sprinkling af water on mine roads, etc.

d. Whether the mine owner has carried out exploration and exploitation on the basis on surface mapping, pitting, trenching and core drilling taking in to consideration the mode of occurrences of mineral deposit.

Total 12 boreholes have been drilled sofar for a total meterage of 480m during 2012-2013. With this along with existing pits, about 2.0ha area can be considered as explored for depth of 4-10m. Lessee has proposed total 2 bore holes to be drilled during remaining Scheme period covering remaining lease area.

e. Whether production from mining area is commensurate with the reserves and the long term progress of utilization of mineral.

The mine works with an average production of 14268 tons per annum during last Five years with minimum of 11500 tons during 2013-2014 and maximum of 14000 tons during 2012-2013. As per mining scheme approved on 31.07.2014 the available reserves as on 01.04.2015 are in the order of 890492 tons. As such production from mining area is commensurate with the reserves and the long term progress of utilization of mineral.

f. Whether adequate investment has been made by the lessee on the development of mine on mining machinery, operational and administrative building, residential accommodation for the employees.

The lessee has invested about Rs 55 Lakh which include Land, Buildings, Crusher, Machinery.

g. Measures taken by the lessee for protection of environment and ecology.

Lessee undertakes afforestation and sprinkling of water on mine roads as per the proposals. Apart from this, safety helmets have been provided to the workers and expenditure on community development has also been done.

h. In case leases where the mineralisation tends to exhaust within the present period, the status of closing operation in phases and the special issues including human issues to be addressed at the time of closing of mine.

The mineralisation still persists for further depths and there is no possibility of exhaustion of mineral ore in near future.

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 :

(G. S. KANNAN)

Indian Bureau of Mines