

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

MCDR INSPECTION REPORT

Goa regional office

Mine file No : KNT/BJP/LST-102/GOA

Mine code : 38KAR26086

- (i) Name of the Inspecting : **K03**) **G. S. KANNAN**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Shri. C.M. Desai, Mines Owner
Official with
Designation
- (iv) Date of Inspection : 18/02/2016
- (v) Prev.inspection date : 17/07/2013

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **NAGANPUR LST & DOL MINE**
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address
State : KARNATAKA
District : BAGALKOT
Village : NAGANPUR
Taluka : MUDHOL
Post office :
Pin Code :
FAX No. :
E-mail :
Phone :
- (e) Police Station :
- (f) First opening date : 03/01/2011
2. Address for :
correspondance
3. (a) Lease Number : KAR1665
(b) Lease area : 4.85
(c) Period of lease : 20
(d) Date of Expiry : 02/01/2031
4. Mineral worked : DOLOMITE Associated
LIMESTONE Main

5. Name and Address of the
 Lessee : SOMALINGESHWARA STONE POWDER IND.
 VILLAGE- NAGANPUR, P.O.-
 LOKAPUR, MUDHOL BAGALKOT
 KARNATAKA
 Phone:
 FAX :
- Owner : C.M.DESAI
 BAGALKOT KARNATAKA
 Phone:
 FAX :

6. Date of approval of Mining :
 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	5	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					
Housing	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	
Health	0.00	0.00	0.00	0.00	
Water supply	0.00	0.00	0.00	0.00	
Sanitation	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	
Training	0.00	0.00	0.00	0.00	
Recreation	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	
Environment management	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.

Previously the Mine was Inspected under MCDR Inspection on 17.07.2013 and Violation has been issued under rule 13(1), 42(1)(c)(ii) & 45(5)(b) and it has complied on 26.03.2015.

Recently mine was Inspected under MCDR Inspection on 18.02.2016 under the Field Guidances of RCOM, Goa. Based on that Violation has been point 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 : No Proposal and exploration i.e. pitting, drilling		Nil	2 Borehole has been drilled 2014-2015
b.Total area covered : Nil		Nil	

B. Working (Rule 13)

a.Number and size of each pit (LxWxH)	: Single Pit (80m x 100m x 5m)	Single pit (Eastern Side - 50m x 50m x 7m & Western side -50m x 50m x 5m)
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 : 0.11	1 : 0.11
d.Total area covered under excavation/pits	: 1.00 Hect	1.20 Hect

C. Waste disposal (Rule 13)

a.Location of dumps	: Southwestern Side of ML	Nil
e.Yearly generation of waste quantity.	: 556 Tons/ Year	300 Tons
b.Method of dumping whether advancing/retreat	: Advancing	Retreat
c.Total area covered under waste dump.	: 50m * 50m	20m * 10m
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 = 5000 Tons 2013-2014 = 5000 Tons 2012-2013 = 5000 Tons 2011-2012 = 5000 Tons	2014-2015 = Nil Tons 2013-2014 = Nil Tons 2012-2013 = 1320 Tons 2011-2012 = 2413 Tons
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D. Reserve

a.Reserve position as per latest MP/MS and	: As on 01.04.2015 Reserves = 243145	As on 01.04.2015 Reserves = 264412 Tons
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at the time of
inspection.

Tons
Resources = 185176
Tons

Resources = 185176 Tons

RESERVE POSITION AS ON 01/04/2015

LIMESTONE		
Category	Quantity in Tonnes	Grade
Proved	264412	Cao=49.90
Probable		
Possible	185176	Cao=49.90
Total	449588	Cao=49.90

PRODUCTION FOR THE PREVIOUS YEAR 2014 - 2015

Mineral	Production	Unit
LIMESTONE	0	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 materials are blended with High grade materials

Efforts for improving percentage of recovery of ore. : Manual sorting, Sizing are done for improving the recovery

Mineral Rule 15

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

Number of benches in ore and waste. : Single bench in waste
Two bench in ore

Sub/grade mineral/fines (Rule16)

Qty of yearly generation and total qty available during inspection with grade : No Subgrade Mineral is Being generated

Number and size of each stack : No Subgrade Mineral is Being generated

Location of stacking. : No Subgrade Mineral is Being generated

Separate stacking from waste : No Subgrade Mineral is Being generated

Total area covered for stacking : No Subgrade Mineral is Being generated

Exploration data as on 31/03/ 2015

No. of Boreholes	No. of Pits	No. of Trenches
2	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 undulated terrain with soil cover & Rocky Exposures
- b. Aesthetic environment : Degraded mining land
- c. Soil and land use pattern : Thin soil is present at some places
- d. Agriculture : No agricultural practices were observed
- e. Forest(flora and fauna) : Non Forest land
- f. Vegetation : Only bushes that too thinly located as the rock is exposed to the surface
- h. Public building, places and monuments (protected, historical), placec of worship and places of tourist : None

B Water environment.

- a. Surface water : There is no Surface water courses observed in existing ML area
- 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 10km away from ML
- c. Human settlement : There are 7 villages are existing within 5km radius from ML
- d. Recreational facility. : Available at Bagalkot taluka HQ

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.

Season	Station type	Station name	Water Management	
			Parameter	Value Actual Excess
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Air data for excess parameters

Season	Station name	Type of area	Parameter	Value	
				Actual	Excess

PLANTATION DURING THE PREVIOUS YEAR 2014 - 2015

Area in Hect.

TOP SOIL MANAGEMENT

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 is not submitted to our office. Manually Annual Returns for the year 2014-2015 is scrutinized during inspection of mine and deficiencies were explained to mines manager for correction.

Land use pattern: It is not filled up correctly.

Manpower and technical staff: Is not included.

Reserves: Balance reserves as on 01.04.2015 are not given.

Quantity of OB/waste generation: Limestone of 35-40% CaO is treated as reject, which is above threshold value.

Sale & dispatch 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: 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:- 2655
 Lease area:- 4.86 Ha
 Lease Period:- 50 Years Dt of grant:- 03.01.2011 Dt of Expiry :- 02.01.2061
 Name of Lessee:- Shri.C.M. Desai
 Name of Mine:- Naganapur Limestone Mine
 Location:- Naganapur Village, Mudhol Taluka, Bagalkot District, karnataka

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

The Approved Mining Plan is valid upto 31.03.2015, hence it is advicse to submitted the Scheme of Mining for the 2015-2016 to 2020-2021

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 take care by the Lessee on the above aspects in the form of providing safety helmets, afforestations, sprinkling of 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 2 boreholes have been drilled for a total meterage of 40m during 2014-2015. With this along with existing pits, about 1.20 ha area can be considered as explored for depth of 4-8m.

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 tons per annum during last Five years with mininum of tons during and maximum oftons during As per Mining Plan approved on 15.11.2009 the available reserves as on 01.04.2015 are in the order of 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 100 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.)

Mining plan is valid upto 31.03.2015 only. Action may be taken for above issues.

State Government (Illegal mining, mining dispute, infrastructure, Mineral based industry, Mineral policy, etc.)

Boundary of lease pillars has not been made as per statute. Action may be taken for above issues.

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

Nil

Date :

(G. S. KANNAN)

Indian Bureau of Mines