

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

MCDR INSPECTION REPORT

Goa regional office

Mine file No : KNT/NK/LSH-31/GOA

Mine code : 37KAR15013

- (i) Name of the Inspecting : **K02**) **KALMATA M.K.**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Vishwanath Nayak, Manager.
Official with
Designation
- (iv) Date of Inspection : 19/09/2013
- (v) Prev.inspection date : 14/06/2010

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **GAONKAR MINES M.L.2219**
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address
- State : KARNATAKA
- District : NORTH KANARA
- Village : TADRI
- Taluka : KUMTA
- Post office : TADRI
- Pin Code : 581437
- FAX No. : -----
- E-mail : -----
- Phone : 08386-57278, 56280
- (e) Police Station :
- (f) First opening date : 15/01/1772
2. Address for : Shri P.P.Gaonkar, Gaonkar Mines
correspondance At &Po- Tadri
Tq-Kumata-581347 (Karnataka)
3. (a) Lease Number : KAR0572
- (b) Lease area : 27.51
- (c) Period of lease : 10
- (d) Date of Expiry : 16/02/1997
4. Mineral worked : LIMESHELL Main

5. Name and Address of the

Lessee : Late P.S.Gaonkar (P.P.Gaonkar)
'Sneh Sadan' Matakari
Aryadurga temple Road
Ankola NORTH KANARA
KARNATAKA
Phone:08386-57278,56280
FAX :

Owner : Late P.S.GAONKAR(Shri P.P.GAONKAR)
'Sneh Sadan' Matakari
Aryadurga Temple Road
Ankola NORTH KANARA
KARNATAKA
Phone: 08386-57278,562
FAX :

Mining Engineer

Name : AJIT GOPAL RAO KULKARNI,Full Time
Qualification : M.Sc. Geology
Appointment/ : 30/04/2002
Termination date

6. Date of approval of Mining : 05/01/2012
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	0	0
Supervisory	0	0
Others	0	0
Ministrial	0	0
Plant	0	0
Workers	0	0

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					
Water supply	0.00	0.00	0.00	0.00	
Sanitation	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	
Health	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					
Roads	0.00	0.00	0.00	0.00	
Communication	0.00	0.00	0.00	0.00	
Public transport	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	
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	
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.

Date of inspection	Violation pointed out	Compliance reported
14.06.2010	NIL	NIL
19.09.2013	24(1)	-----

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.

5. Scientific Mining

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

a.Type of prospecting : Not Proposed
and exploration i.e.
pitting, drilling NIL

b.Total area covered : Not Proposed NIL

B. Working (Rule 13)

a.Number and size of :
each pit (LxWxH) Since mining is
carriedout in river bed
no pit will be formed.

b.Bench :
size(LxWxH)length can Mining is carriedout
be defined as under water, so no
regular/irregular benches will be formed.

c.Ore to waste ratio : 1:0.4
pit wise if possible
otherwise for mine

C. Waste disposal (Rule 13)

a.Location of dumps : Not Proposed NIL Waste is in the
form of
Silt/clay mixed
with limeshell
while mining
operations
itself settled
in river bed.

D. Production

b.Year wise production of last five year.	: 2011-12 (Jan2012 to March2012) 20475 tonnes 2012-13 79625 2013-14 79625	2011-12 7372 tonnes(MR) 2012-13 NIL 2013-14 NIL	Mining plan is approved on 5.01.2012. for the period of 2011-12 (Jan2012 to Mar 2012) to 2015- 16.
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D. Reserve

a.Reserve position as : 9311733 tons
per latest MP/MS and
at the time of
inspection.

PRODUCTION FOR THE PREVIOUS YEAR / -

Mineral

Production

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

Efforts for improving low grade and sub grade mineral. : NA

Efforts for improving percentage of recovery of ore. : NA

Mineral Rule 15

Number of benches in ore and waste. : Since the mining operation is carried out in river bed no benches will be formed.

Percentage of recovery of ore pitwise w.r.t. ROM and total material : 70%

Sub/grade mineral/fines (Rule 16)

Qty of yearly generation and total qty available during inspection with grade : NIL

Number and size of each stack : NIL

Location of stacking. : There will be no generation of sub grade.

Total area covered for stacking : NIL

Exploration data as on 31/03/

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

OVERBURDEN HANDLED DURING PREVIOUS YEAR -

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 major part of the lease area is covered by Aghanashini river bed and adjacent to the lease hilly areas belonging to Sahyadri hill ranges are observed except for the narrow coastal strip on western side.
- b. Aesthetic environment : The lease area is in river bed and is under water no land will be disturbed by mining.
- c. Soil and land use pattern : There is no top soil in the lease area.
- d. Agriculture : Paddy and Coconut are the major crops.
- e. Forest (flora and fauna) : There is no forest.
- f. Vegetation : There is no vegetation in this area.
- h. Public building, places and monuments (protected, historical), places of worship and places of tourist : NIL

B Water environment.

- a. Surface water : River Aghanashini is running with in the lease area.
- b. Ground water : Small wells were dugged for ground water. Water table is at 10-15ft only.
- c. Quality of water : The ground water of the area is potable.

C. Air environment

- a. Noise : Manual Mining. Hence impact is negligible.
- b. Air : Manual Mining. Hence impact is negligible.
- c. Climatic condition : In Summers in Kumta are Hot and Humid, due to its proximity to the sea. and temp will be 28 to 35 c and in winter temp will be 19-25 c. The average rain fall of the area is 2800-3500mm/annum.

D. Socio economic environment

- a. Social and demographic profile. : There are few villages and hamlets within the 10kms radius buffer zone with a population of about 75,916 as per 2010 census. Presently they are engaged in seasonal Fishery, Salt pan and agricultural activities.
- b. Recommending health and safety. : Waterproof safety shoes, helmets, goggles, life jackets are provided to workers.
- c. Human settlement : There is no human habitation in around 0.1-0.2kms radius from the area. The nearest village is Bargi, located about 0.2kms east of the area.
- d. Recreational facility. : NIL

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>				Value	
Season	Station type	Station name	Parameter	Actual	Excess

Air data for excess parameters

Season	Station name	Type of area	Parameter	Value	
				Actual	Excess

PLANTATION DURING THE PREVIOUS YEAR

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Area in Hect.

TOP SOIL MANAGEMENT

Quantity as on 31/03/

8. Scrutiny of annual returns on cost of production, reserve, production, pit mouth value, stock, land use pattern and fixed assets.

Annual Return 2011-12.

Cost of operation : Rs 840 /Metric tone.

Reserves : As on 1.4.2013

Proved :9311733 ,tonnes (As per approved Mining Plan).

Probable : NIL

Possible : NIL

Total : 9311733 ,tonnes.

Production, : 7372

Pit mouth value, : Rs 900 to 1550/Metric tone

Opening stock, closing stock: OS:6506 tons CS: 2922 tons.

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 :

(KALMATA M.K.)

Indian Bureau of Mines