

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

MCDR INSPECTION REPORT

Goa regional office

Mine file No : KNT/NK/SS-12/GOA

Mine code : 54KAR15012

- (i) Name of the Inspecting : **K02**) **KALMATA M.K.**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Suresh M Madival, Site Incharge.
Official with
Designation
- (iv) Date of Inspection : 20/09/2013
- (v) Prev.inspection date : 03/09/2012

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KASARKOD (ML 2238)**
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address
- State : KARNATAKA
- District : NORTH KANARA
- Village : KASARKOD
- Taluka : KUMTA
- Post office : KASARKOD
- Pin Code :
- FAX No. :
- E-mail :
- Phone :
- (e) Police Station :
- (f) First opening date :
2. Address for : Kasarkod Silica sand Mine of M/s Canara Minerals
correspondance At- Kasarkod
Tq- Honnavar Dist -North Kanara
3. (a) Lease Number : KAR1015
- (b) Lease area : 2.02
- (c) Period of lease : 20
- (d) Date of Expiry : 06/08/2018
4. Mineral worked : SILICA SAND Main

5. Name and Address of the

Lessee : CANARA MINERALS
 NH-17 Post-Kumbashi Tq-
 Kundapur UDUPI KARNATAKA
 Phone:
 FAX :

Owner : SUDHIR PANDIT(Managing Partner)
 M/s Canara Minerals NH-17
 Tq- Kundapur UDUPI
 KARNATAKA
 Phone:
 FAX :

6. Date of approval of Mining : 18/06/2013
 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	0	0
Supervisory	0	0
Others	3	265
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					
Infrastructure					
Sub total					
Sub total					
Total					

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
03.09.2012	45(5)(b) & 23(E)(2)	03/09/2013
20.09.2013	24(1) & 42	-----

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)

b.Total area covered : NIL

a.Type of prospecting : Exploration not
and exploration i.e. proposed.
pitting, drilling

B. Working (Rule 13)

c.Ore to waste ratio : 100%
pit wise if possible
otherwise for mine

a.Number and size of : 65mx35x3.5 (lxwxh) 130mx35mx4m (lxwxh)
each pit (LxWxH) approximately.

d.Total area covered : 0.4 Ha.
under excavation/pits

C. Waste disposal (Rule 13)

a.Location of dumps : Not proposed.

b.Method of dumping : Not proposed.
whether
advancing/retreat

D. Production

b.Year wise	: 2009-10	2009-10	Scheme of mining is approved on 18.06.2013 for the period 2013-14 to 2017-18.
production of last	4000 tonnes	2380 tonnes	
five year.	2010-11	2010-11	
	4000 tonnes	1480 tonnes	
	2011-12	2011-12	
	4000 tonnes	1420 tonnes	
	2012-13	2012-13	
	4000 tonnes	4300 tonnes	
	2013-14	2013-14	
	10000 tonnes	NIL	

D. Reserve

a.Reserve position as : Proved Mineral
per latest MP/MS and Reserves(111) : 3330
at the time of tonnes
inspection. Probable Mineral
Reserves(122) : 76935
tonnes
Total

: 80265 tonnes.

~~PRODUCTION FOR THE PREVIOUS YEAR~~

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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

Percentage of recovery of ore pitwise w.r.t. ROM and total material : 100%

Sub/grd mineral/fines (Rule16)

Number and size of each stack : NIL.

Location of stacking. : There will be no generation of sub-grade, hence not proposed.

Separate stacking from waste : 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
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<u>OVERBURDEN HANDLED DURING PREVIOUS YEAR</u>	<u>-</u>
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Utilisation of Sub Grade Mineral and Mineral Rejects

<u>Generated</u>	<u>Utilised</u>	<u>Stacked</u>	(In Ton.)
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7. Environment Management - both quantitative and qualitativ

A. Land environment

- a. Landscape. : Only sand dunes are seen in and around the area. The lease area is 3km away from CRZ line.
- b. Aesthetic environment : Land is degraded by Mining.
- c. Soil and land use pattern : No top soil in the lease area.
- d. Agriculture : Paddy and coconut are major crops.
- e. Forest(flora and fauna) : There is no forest.
- f. Vegetation : No Vegetation in the lease area.
- h. Public building, places and monuments (protected, historical), placec of worship and places of tourist : NIL

B Water environment.

- a. Surface water : No Surface water body in the area. Rain water was stocked in the pit.
- b. Ground water : Water table touches with I 10-15 ft.
- c. Quality of water : 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 winnter 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. : Agriculture and Fishing is the main occupation of the people of the surrounding area.
- b. Recommending health and safety. : NIL
- c. Human settlement : NIL
- 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>					
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>			-	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 Returns 2012-13.

Cost of operation : Rs 222/tone

Reserves

Proved : 3330 tons

Probable : 76935 tons

Possible : NIL

Total :80265 tons.

Production, : 4300 tonnes

Pit mouth value : Rs 450/ tone

Opening stock : NIL

Closeing stock : NIL

Land use patter : Area under mining: 0.2136 Ha, Road: 0.0421Ha,Un utilized:
1.7643Ha.

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