

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

MCDR INSPECTION REPORT

Goa regional office

Mine file No : MAH/RTG/SLS - 4/GOA

Mine code : 54MSH20001

- (i) Name of the Inspecting : **G001**) **GUMNA RAM**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : S/Shri Indarvardhan & S.G.Badgaonkar,MM
Official with
Designation
- (iv) Date of Inspection : 18/11/2014
- (v) Prev.inspection date : 07/03/2013

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MANDRUL (203.32)**
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address
State : MAHARASHTRA
District : RATNAGIRI
Village : MANDRUL
Taluka : RAJAPUR
Post office : ONI
Pin Code :
FAX No. : 022-2202555,2206060
E-mail : kunal3019@gmail.com
Phone : 022-2202555,2206060
- (e) Police Station : Rajapur
- (f) First opening date : 01/02/1985
2. Address for : Village: Manrul & Watul
correspondance Post: Oni, Taluka: Rajapur
Ratnagiri- 416705
3. (a) Lease Number : MSH0165
(b) Lease area : 26
(c) Period of lease : 20
(d) Date of Expiry : 18/02/2018
4. Mineral worked : SILICA SAND Main

5. Name and Address of the

Lessee : RATNA SILICA
 Patel Estate Gandhi Chowk
 KALYAN GREATER BOMBAY
 MAHARASHTRA
 Phone:
 FAX :

Owner : Vinod G.Patel
 M/s Ratna Silica Patel
 Estate, GandhiChowk Kalyan
 GREATER BOMBAY MAHARASHTRA
 Phone:
 FAX :

Manager

Name : Shri S.G.Badgaonkar
 Qualification : Mine mate & permit manager
 Appointment/ : 01/10/2014
 Termination date

6. Date of approval of Mining : 21/12/1988
 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
Workers	0	0
Supervisory	1	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					
Housing	0.00	0.00	0.00	0.00	
Safety	0.00	0.00	0.00	0.00	
Health	0.00	0.00	0.00	0.00	
Medical facility	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					
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	
Employment	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	
Others	0.00	0.00	0.00	0.00	
Recreation	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 last inspection Violation pointed out Compliance status

07/03/2013 12(3),45(5)(b),24(1) complied

18/11/2014 13(1),45(5)(b),42(i)(c)(ii),63 Under process.

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 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 05 numbers of exploratory core boreholes upto 20m depth in present scheme period up to May,14.	No such exploratory boreholes done & reported.	Violation for the provision of rule 13(1) of mcdr,88 pointed out to lessee for retification.
b.Total area covered	: Not proposed for entire ML area.	The entire mining lease area is not explored yet.	

B. Working (Rule 13)

a.Number and size of each pit (LxWxH)	: It was proposed to work in NE of pit as earmarked in plate No.4	No done at presently and (total excavated area is about 13.8678Ha.)	
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	: 1:0.16	NIL	Mine workings was discontinued from the year 2011 onward to till date due to want of statutory clearance.
d.Total area covered under excavation/pits	: -	Total excavated area of all the pits is about 13.867Ha.	

C. Waste disposal (Rule 13)

a.Location of dumps	: It was proposed to dump at southern side of Ml area as earmarked.	Not done as mine is not working.	
e.Yearly generation of waste quantity.	: 10,170T	NIL	
b.Method of dumping whether advancing/retreat	: NA	NA	
c.Total area covered under waste dump.	: 0.45Ha.	NIL	
d.No.and size of each waste dump with No of	: Single	NIL	

steps/lift/bench

D. Production

b.Year wise	: 2010-11=10,500T	2010-11=1429.18T
production of last	2011-12=NA	2011-12=0
five year.	2012-13=NA	2012-13=0
	2013-14=1,20,000T	2013-14=0
	2014-15=1,20,000T	2014-15up to oct,14=0T

D. Reserve

a.Reserve position as :-	Reserves based on
per latest MP/MS and	approved scheme of
at the time of	mining dated 19/10/2013
inspection.	by State
	Govt.,Maharashtra as on
	01.4.2014 is 19,09,120T.

RESERVE POSITION AS ON 01/04/2014

SILICA SAND		
Category	Quantity in Tonnes	Grade
Proved	1909120	Sio2-96.16%,Al2O3-1.57%,Fe2O3-1.26%
Probable	719362	
Possible		
Total	2628482	

PRODUCTION FOR THE PREVIOUS YEAR 2013 - 2014

Mineral	Production	Unit
SILICA SAND	0	TON

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

Efforts for improving low grade and sub grade mineral : No subgrade mineral is being generated presently.

Efforts for improving percentage of recovery of ore : No subgrade mineral is being generated presently.

Mineral Rule 15

Percentage of recovery of ore pitwise w.r.t. ROM and total material : About 90-95%

Number of benches in ore and waste : Single bench in ore of 3-5m bench height.

Sub/grd mineral/fines (Rule16)

Qty of yearly generation and total qty available during inspection with grade : No subgrade mineral is being generated presently.

Number and size of each stack : No subgrade mineral is being generated presently.

Location of stacking. : No subgrade mineral is being generated presently.

Separate stacking from waste : No subgrade mineral is being generated presently.

Total area covered for stacking : No subgrade mineral is being generated presently.

Exploration data as on 31/03/ 2014

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

OVERBURDEN HANDLED DURING PREVIOUS YEAR 2013 - 2014

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. : Plain undulated terrain covered with soil intermittantly.
- b. Aesthetic environment : Natural topography degraded with mining activity.
- c. Soil and land use pattern : Top soil available intermitently in lease area.
- d. Agriculture : Agricultural activities observed in surrounding area of the ML.
- e. Forest(flora and fauna) : No forest land involved.
- f. Vegetation : naturally grown vegetation in ML area.
- 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 perinnial water courses/ seasonal nallahs observed in and around ML.
- b. Ground water : No seepage of ground water observed.
- c. Quality of water : No survey has been done. no adverse is reported.

C. Air environment

- a. Noise : No survey has been done. no adverse is reported.
- b. Air : No survey has been done. no adverse is reported.
- c. Climatic condition : Tropical & semi-arid.

D. Socio economic environment

- a. Social and demographic profile. : Rural status population existing around the villages of ML with main occupation of agricultural & animal rearing.
- b. Recommending health and safety. : Hospitals/ clinics existing near at Lanja.
- c. Human settlement : A total population of about 12,000 habitants living in 7 villages within 5 Kms radius from ML.
- d. Recreational facility. : None.

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

PLANTATION DURING THE PREVIOUS YEAR 2013 - 2014

Area in Hect.

TOP SOIL MANAGEMENT

Quantity as on 31/03/2014

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

Party has submitted the annual return for the year 2013-14 in old format in form H-9 & accordingly violation pointed out to lessee for rectification.

Production-0T,

opening stock-2663.3T, Dispatch-0T,Closing stock-2663.3T

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.

Not applicable, ML was executed WEF 02/9/1999 to 01/9/2019 for 20 years(twice 10 years)

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

The latest scheme of mining was approved on 19/10/2013 for the period 2014-15 to 2018-19 by State Govt.,Maharashtra.

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 dimension of lease boundary pillars were not maintained as per guidelines & action may be initiated accordingly.

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

NIL

Date :

(GUMNA RAM)

Indian Bureau of Mines