

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

MCDR INSPECTION REPORT

Goa regional office

Mine file No : MAH/SDG/SLS-5/GOA

Mine code : 54MSH28049

- (i) Name of the Inspecting : **K03**) **G. S. KANNAN**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Shri.A.G.Kulkarni, Geologist & Pankaj, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 27/11/2014
- (v) Prev.inspection date : 20/10/2012

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **LORE**
- (b) Category : A Other Mechanised
- (c) Type of Working : Opencast
- (d) Postal address
- State : MAHARASHTRA
- District : SINDHUDURG
- Village : LORE
- Taluka : KANKAVLI
- Post office : PONDAGHAT
- Pin Code :
- FAX No. :
- E-mail :
- Phone : (02367) 35382,35233,35361
- (e) Police Station :
- (f) First opening date : 01/09/1985
2. Address for : M/s Sindhudurg Khanij Udyog
correspondance At & Post: Phondaghat
Taluka: Kankavali
3. (a) Lease Number : MSH0167
- (b) Lease area : 10.75
- (c) Period of lease : 20
- (d) Date of Expiry : 30/05/2025
4. Mineral worked : SILICA SAND Main

5. Name and Address of the

Lessee : SINDHUDURG KHANIJ UDYOG
 AT& PO: PHONAGHAT
 TALUKA:KANKAVIL SINDHUDURG
 MAHARASHTRA
 Phone:235251,235252,235085
 FAX :

Owner : M/S SINDHUDURG KHANIJ UDYOG
 M/S SINDHUDURG KHANIJ UDYOG
 AT &POST PHONDAGHAT TQ:
 KANKAVALI, DIST: SINDHUDURG
 SINDHUDURG MAHARASHTRA
 Phone:
 FAX :

Manager Name : Pankaj Jaiswal Qualification : BE(Mining Engg.) & Second Class certific Appointment/ : 01/04/2014 Termination date

6. Date of approval of Mining : 08/07/2002
 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	290
CONTRACT		
Workers	2	290
Supervisory	1	290

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	
Sanitation	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	
Medical facility	0.00	0.00	0.00	0.00	
Health	0.00	0.00	0.00	0.00	
Sub total	0.00	0.00	0.00	0.00	
Infrastructure					
Communication	0.00	0.00	0.00	0.00	
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	
Sub total	0.00	0.00	0.00	0.00	
Sports activities	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	
Training	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.

Last inspection was carried under MCDR inspection on 20.10.2012 and violation and showcase notice has been issued under Rule 12(3), (13(1), (24(1), 45(5)(a) & (b). The violation has been complied on 03.07.2014. Recently the mine was inspected under MCDR inspection on 27.11.2014, based on that following violation under Rule 12(3), 13(1), 23E(2), 24(1), 45(5)(b) & 63 has been issued.

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.

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
A. Exploration (Rule 13)			
a.Type of prospecting and exploration i.e. pitting, drilling	: No Proposal	Nil	
b.Total area covered	: Not applicable	Nil	
B. Working (Rule 13)			
a.Number and size of each pit (LxWxH)	: To extent the existing pit on western side by 75m * 15m * 6m	Nil	Mine is not working for EC.
b.Bench size(LxWxH)length can be defined as regular/irregular	: Regular	Nil	Due to No Production, the bench size is not increased.
c.Ore to waste ratio pit wise if possible otherwise for mine	: 1:2.02	Nil	
d.Total area covered under excavation/pits	: Existing 1.6500 Hectares + additional 0.4240 Hectares	1.6500 Hectares	
C. Waste disposal (Rule 13)			
a.Location of dumps	: No Porposal	Nil	Mine is discontinued from 2010.
e.Yearly generation of waste quantity.	: 718 Tons	Nil	Due to Nil Production, therrre is no waste quatity.
b.Method of dumping whether advancing/retreat	: Not Proposed	Nil	
c.Total area covered under waste dump.	: Exisiting Dumpyard = 0.6100 Hectares + proposed Nil	Exisiting Dumpyard = 0.6100 Hectares	
d.No.and size of each waste dump with No of steps/lift/bench	: Not Proposed	Nil	
D. Production			
b.Year wise production of last five year.	: 2009-2010 = Nil 2010-2011 = Nil 2011-2012 = Nil 2012-2013 = Nil 2013-2014 = 27008 Tons	2009-2010 = Nil 2010-2011 = Nil 2011-2012 = Nil 2012-2013 = Nil 2013-2014 = Nil	Due to no approved MS & EC there is no production from 2010
D. Reserve			
a.Reserve position as per latest MP/MS and at the time of inspection.	: As per proposal for 2014-2015 Proved (111) = 113690 Tons	During Inspection as per approved MS Proved (111) = 140698 Tons	It is proposed to produced 27008 Tons for 2013-2014, due

Probable (122) = 70348 Tons Probable (122) = 70348 Tons to nil
 production the
 reserves not
 changed.

RESERVE POSITION AS ON 01/04/2014

SILICA SAND

Category	Quantity in Tonnes	Grade
Proved	140698	SiO2=99.27%, Al2O3=0.28%
Probable	70348	SiO2=99.27%, Al2O3=0.28%
Possible	5643	SiO2=99.27%, Al2O3=0.28%
Total	216689	SiO2=99.27%, Al2O3=0.28%

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. : There is proposal for sieving & washing plant to improve the low grade

Efforts for improving percentage of recovery of ore. : There is proposal for sieving & washing plant to improve the Recovery

Mineral Rule 15

Percentage of recovery of ore pitwise w.r.t. ROM and total material : Hence there is no production, there is nil recovery

Number of benches in ore and waste. : Three benches in Ore & one in Waste

Sub/grd 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/ 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
- b. Aesthetic environment : Degraded mining land
- c. Soil and land use pattern : No topsoil existing
Landuse pattern:
Area under Pit = 1.650 Ha
OB Dump = 0.610 Ha
Infra = 0.220 Ha
Green belt = 0.2100 Ha
Unused = 8.065 Ha
- d. Agriculture : Sugarcane, Palm plantation is found nearby area
- e. Forest(flora and fauna) : No forest land
- f. Vegetation : Scanty bushes, mango and cashew & fruit plantation
- h. Public building, places and monuments (protected, historical), place of worship and places of tourist : None

B Water environment.

- a. Surface water : No perennial water courses observed
- b. Ground water : No seepage of ground water observed. However rainy water accumulated in the pit which is used for sand washing
- c. Quality of water : Nothing adverse is reported

C. Air environment

- a. Noise : No survey has been done, nothing adverse is reported
- b. Air : No survey has been done, nothing adverse is reported
- c. Climatic condition : No survey has been done, nothing adverse is reported

D. Socio economic environment

- a. Social and demographic profile. : The population of rural background exists in nearby villages/ area with main occupation of agriculture and animal rearing.
- b. Recommending health and safety. : Hospitals/Clinics are existing at kankvali at 30km away from ML
- c. Human settlement : There are 12350 habitants existing in 8 nearby villages within 5km radius from ML
- d. Recreational facility. : Available at Kankavali 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.

<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.

The Lessee has not submitted Annual Returns from 2012-2013 onward, since its non operating mines, Cost of operation & Production is nil. Violation is pointed out for non submission of Annual Returns.

Reserves:

Proved (111) = 140698 Tons
Probable (122) = 70348 Tons

Landuse Pattern:

Area under Pit = 1.650 Ha
OB Dump = 0.610 Ha
Infra = 0.220 Ha
Green belt = 0.2100 Ha
Unused = 8.065 Ha

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.

Date of Grant:- April 2005
Date of Expiry:- April 2025
Period of Lease:- 20 Years
Name of Mine:- Lore Silica Sand Mine
Name of Lessee:- M/s.SIndhudurg Khanij Udyog.
Lease Area:- 10.75 Ha

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

Mine not in operation from last 2010, hence its advice to get EC and to solve other local problems and start the mines as soon as possible

PART - IV : PROPOSALS FOR FURTHER ACTION FOR :

Indian Bureau of Mines (any issue related to CGPB, SGPB, Assistance, Consultancy, Annual Programme and studies, etc.)

Approved Mining Scheme is valid upto 31.03.2015 only, hence its needed to submit the scheme of Mining before 120 days from expiry

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

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

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

Nil

Date :

(G. S. KANNAN)

Indian Bureau of Mines