

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

MCDR INSPECTION REPORT

Goa regional office

Mine file No : MAH/SDG/SLS-56/GOA

Mine code : 54MSH28052

- (i) Name of the Inspecting : **K03**) **G. S. KANNAN**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Shri Pramod K. Sawant, Mine Owner
Official with
Designation
- (iv) Date of Inspection : 28/11/2014
- (v) Prev.inspection date : 03/03/2013

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **TENDOLI MINES & MINERALS**
- (b) Category : A Other Mechanised
- (c) Type of Working : Opencast
- (d) Postal address
State : MAHARASHTRA
District : SINDHUDURG
Village : TENDOLI
Taluka : KUDAL
Post office : TENDOLI
Pin Code :
FAX No. :
E-mail :
Phone : 8344347-MUMBAI OFFICE
- (e) Police Station :
- (f) First opening date : 21/08/1999
2. Address for : TENDOLI SILICA SAND MINE
correspondance AT& PO: TENDOLI
TQ: KUDAL DISTT: SINDHUDURG (ms)
3. (a) Lease Number : MSH0232
(b) Lease area : 12.09
(c) Period of lease : 30
(d) Date of Expiry : 20/08/2029
4. Mineral worked : SILICA SAND Main

5. Name and Address of the

Lessee : TENDOLI MINES & MINERALS
 POORVA, TEJPAL SCHEME, RD
 NO.3 VILE-PARLE (EAST)
 MUMBAI - 400 005 MUMBAI
 (SUBURBAN) MAHARASHTRA
 Phone:834 4347
 FAX :

Owner : PRAMOD K. SAWANT
 PRAMOD K. SAWANT AT & P.O.
 TENDOLI,TQ: KUDAL DIST:
 SINDHUDURG SINDHUDURG
 MAHARASHTRA
 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	1	300
CONTRACT		
Workers	0	0
Supervisory	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					
Housing	0.00	0.00	0.00	0.00	
Sanitation	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	
Water supply	0.00	0.00	0.00	0.00	
Medical facility	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	
Roads	0.00	0.00	0.00	0.00	
Public transport	0.00	0.00	0.00	0.00	
Sub total	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	
Training	0.00	0.00	0.00	0.00	
Employment	0.00	0.00	0.00	0.00	
Environment management	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 03.03.2013 and violation under rule 12(3), 13(1) & 45(5)(b) has been issued and complied on 06.08.2013. Recently the mine was inspected under MCDR inspection on 28.11.2014 and based that violation under Rule 12(3), 23E(2), 24(1), 45(5)(a), 45(5)(b), 47&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.

Nil

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	: 10 Boreholes has been proposed in 2013-2014	8 Boreholes has been drilled.	Form-J not submitted, so Violation under Rule 47 of MCDR'88 has been issued.
b.Total area covered	: 12.09 Hectares	12.09 Hectreas	

B. Working (Rule 13)

a.Number and size of each pit (LxWxH)	: Pit-1:-40*20*3 Pit-2:-30*10*2 Pit-3:- 70*15*5	Pit-1:- 40*20*3 Pit-2:- 30*10*2 Pit-3:- 50*10*5	There is Proposal to move 20m bench, due to nil production there is no change in pit.
b.Bench size(LxWxH)length can be defined as regular/irregular	: Regular	Regular	
c.Ore to waste ratio pit wise if possible otherwise for mine	: 1 : 0.25	Nil	
d.Total area covered under excavation/pits	: 1.1159 Hectares	0.6769 Hectreas	2013-2014 there is proposal for 0.4390 Hectreas, but non working proposal not achieved.

C. Waste disposal (Rule 13)

a.Location of dumps	: Eastern side of ML and nearer to pit-3	Nil
e.Yearly generation of waste quantity.	: 1523 Tons	Nil
b.Method of dumping whether advancing/retreat	: Advancing	Nil
c.Total area covered under waste dump.	: 0.025 Hectares	Nil
d.No.and size of each waste dump with No of steps/lift/bench	: 10 * 10 * 2	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 = 6000 Tons	2009-2010 = 170 2010-2011 = 55 2011-2012 = Nil 2012-2013 = Nil 2013-2014 = Nil Tons	Mining Scheme for 2009-2010 to 2013-2014 is approved on 29.08.2013, so only proposals
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are Nil

D. Reserve

a. Reserve position as per latest MP/MS and at the time of inspection.	As per approved Mining Scheme Proved (111) = 301687 Tons Possible (211) = 84138 Tons	As on Inspection Proved (111) = 307687 Tons Possible (211) = 84138 Tons	6000 Tons production has been proposed for 2013-2014, due to no production reserves not changed
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RESERVE POSITION AS ON 01/04/2014

SILICA SAND		
Category	Quantity in Tonnes	Grade
Proved	307687	SiO ₂ +98%, Al ₂ O ₃ +0.57%
Probable	84138	SiO ₂ +98%, Al ₂ O ₃ +0.57%
Possible	0	
Total	391825	SiO ₂ +98%, Al ₂ O ₃ +0.57%

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. : Screening plant has been installed

Efforts for improving percentage of recovery of ore. : Sceening plant has been installed.

Minearl Rule 15

Percentage of recovery of ore pitwise w.r.t. ROM and total material : Nil. The Mine is not working from 2011.

Number of benches in ore and waste. : Single benches in both ore & Waste

Sub/grd mineral/fines (Rule16)

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

Number and size of each stack : No Subgrade Mineral has been generated

Location of stacking. : No Subgrade Mineral has been generated

Separate stacking from waste : No Subgrade Mineral has been generated

Total area covered for stacking : No Subgrade Mineral has been generated

Exploration data as on 31/03/ 2014

No. of Boreholes	No. of Pits	No. of Trenches
8		

OVERBURDEN HANDLED DURING PREVIOUS YEAR 2013 - 2014

Overbuden/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 : Degreded mining land
- c. Soil and land use pattern : No top soil exist
- Area under Mining = 0.6769 Ha
Road = 0.1088 Ha
Mineral Plant = 0.0155 Ha
Unused area = 11.2888 Ha
- d. Agriculture : Agriculture fields observed near by area
- e. Forest(flora and fauna) : No forest area is avaiable
- f. Vegetation : Natural & fruit Vegetation
- h. Public building, places and monuments (protected, historical), placec of worship and places of tourist : None

B Water environment.

- a. Surface water : No perrinal water course or seasonal surface nallah are existing
- b. Ground water : No seepage of ground water observed
- c. Quality of water : water analysis has not been done

C. Air environment

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

D. Socio economic environment

- a. Social and demographic profile. : The population of rural background in nearby areas/ villages with main occupation of agriculture and fruit vegetables growing
- b. Recommending health and safety. : Hosiptal/ cilincs are existing at kudal
- c. Human settlement : There are about 12000 habitants existing in nearby villages in 5km radius from ML as reported.
- 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.

The Lessee has not submitted the Annual Returns from 2011-2012 onwards. Violation is pointed out for the same.

Reserves:-

Proved (111) = 307687 Tons

Possible (211) = 84138 Tons

Land use pattern:-

Area under Mining = 0.6769 Ha

Road = 0.1088 Ha

Mineral Plant = 0.0155 Ha

Unused area = 11.2888 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.

Lease No:- MMN-2897/66090/7436/Deck-4
Date of Grand:- 20.08.1999
Date of Exipry:- 19.08.2029
Period of Lease:- 30 Years
Name of Mine :- Tendoli Silica Sand Mine
Name of Lessee:- Shri.P.K.Sawant
Area of ML:- 12.09 Ha
Location of area:- Tendoli village, kudal taluk, sindhudurg Dist, Maharastha

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

Its advise the lessee to submit the Scheme of Mining for next five years period (2014-2015 to 2018-2019) 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.)

Mining Scheme is valid upto 31.03.2014. only, For current scheme period, no plan was been submitted to concerned authorities for Approval.

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

Corner Boundary pillar of the lease has not been made as per statute. Actions 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