

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

MCDR INSPECTION REPORT

Goa regional office

Mine file No : MAH/SDG/SLS - 14/GOA

Mine code : 54MSH28011

- (i) Name of the Inspecting : **K03**) **G. S. KANNAN**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Shri.Anil Gadkor, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 25/11/2014
- (v) Prev.inspection date : 22/02/2010

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SANKHALKAR (33.0)**
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address
- State : MAHARASHTRA
- District : SINDHUDURG
- Village : TULAS HODAVDA
- Taluka : VENGRULA
- Post office : TULAS
- Pin Code :
- FAX No. :
- E-mail :
- Phone :
- (e) Police Station :
- (f) First opening date : 01/10/1975
2. Address for : Village: Tulas
correspondance Post: Tulas Hadwade
Sindhudurg
3. (a) Lease Number : MSH0174
- (b) Lease area : 33
- (c) Period of lease : 20
- (d) Date of Expiry : 23/02/2015
4. Mineral worked : SILICA SAND Main

5. Name and Address of the

Lessee : D.A.Sankholkar
 At & P.O. Aronda Taluka:
 Sawantwadi SINDHUDURG
 MAHARASHTRA
 Phone:
 FAX :

Owner : D.A.Sankholkar
 At & P.O. Aronda Taluka:
 Sawantwadi SINDHUDURG
 MAHARASHTRA
 Phone: 02363-79252
 FAX :

Mining Engineer

Name : Anil Godkar, Part Time
 Qualification : Mine Foreman Certificate
 Appointment/ : 01/11/2014
 Termination date

6. Date of approval of Mining : 18/02/1996
 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 | 2 | 300 |

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 | | | | | |
| Medical facility | 0.00 | 0.00 | 0.00 | 0.00 | |
| Health | 0.00 | 0.00 | 0.00 | 0.00 | |
| Housing | 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 | |
| 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 | |
| Electricity | 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 | |
| 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 | |
| Employment | 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.

Previously the Mine was inspected under MCDR Inspection on 22.02.2010 and issued violation & Showcase Notice under Rule 12(3), 13(1) & 45(1)(a). The party has not reply so far. Based on Recent MCDR Inspetion on 25/11/2014 the Violation under Rule13(1),23E(2),24(1),45(5)(a),45(5)(b),46 and 63 has been issued.

If the mine ever prosecuted then date of last judgement with rules for which prosecution launched

Date of Decision : 25/11/2003 Result : Compounded Details :

Fine imposed/Compounding fees collected: 5000 Rules : Rule 12(3)

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 followup 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 | : Nil Proposal | Nil | |
| b.Total area covered | : Not applicable | Nil | |
| B. Working (Rule 13) | | | |
| a.Number and size of each pit (LxWxH) | : Proposed height is 6m & width is 10m | Nil | There is no production from 2009 |
| b.Bench size(LxWxH)length can be defined as regular/irregular | : Regular and it is shallow mining only | Nil | |
| c.Ore to waste ratio pit wise if possible otherwise for mine | : No Proposal | Nil | |
| d.Total area covered under excavation/pits | : 3.4852 | No area is covered under pits | |
| C. Waste disposal (Rule 13) | | | |
| a.Location of dumps | : There is no generation of waste | Nil | |
| e.Yearly generation of waste quantity. | : There is no generation of waste | Nil | |
| b.Method of dumping whether advancing/retreat | : There is no generation of waste | Nil | |
| c.Total area covered under waste dump. | : There is no generation of waste | Nil | |
| d.No.and size of each waste dump with No of steps/lift/bench | : There is no generation of waste | Nil | |
| D. Production | | | |
| b.Year wise production of last five year. | : 2009-2010 = No Proposal 2010-2011 = No Proposal 2011-2012 = No Proposal 2012-2013 = 200004 Tons 2013-2014 = 200004 Tons | 2009-2010 = Nil 2010-2011 = Nil 2011-2012 = Nil 2012-2013 = Nil 2013-2014 = Nil | During 2009-2012 there is no approved Mining scheme, so proposal is nil, after approved on 2012 also there is nil production. |
| D. Reserve | | | |
| a.Reserve position as per latest MP/MS and at the time of inspection. | : As per 2014-2015 Proved (111) = 302760 Tons Probable (121) = | As on Inspection Proved (111) = 702760 Tons Probable (121) = 281107 Tons | Hence there is no Production, the reserves is not depleted. |

281107 Tons Tons

RESERVE POSITION AS ON 01/04/2014**SILICA SAND**

| Category | Quantity in Tonnes | Grade |
|----------|--------------------|--------------------------|
| Proved | 702768 | SiO2=98.15%, Al2O3=0.47% |
| Probable | 281107 | SiO2=98.15%, Al2O3=0.47% |
| Possible | | |
| Total | 983875 | SiO2=98.15%, Al2O3=0.47% |

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. : Nil

Efforts for improving percentage of recovery of ore. : Nil

Mineral Rule 15

Percentage of recovery of ore pitwise w.r.t. ROM and total material : Proposal is 75%, but there is no production and recovery is Nil

Number of benches in ore and waste. : Method of Mining is shallow depth and it carried out in river bed sides.

Sub/grade mineral/fines (Rule 16)

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 m ³) : | 0 |
|---|---|

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. : Mining Lease area is on either side of Tulas & Hodawade River. The area is plain & Slope.
- b. Aesthetic environment : In between lease area river is passing.
- c. Soil and land use pattern : Sand is found at bottom & silt, clay is found at course sideof river side
Area under Mining = 7.4852 Ha
Infrastructure = 0.010 Ha
Mineral storage = 1.00 Ha
Road = 0.050 Ha
Greenbelt = 1.00 Ha
Unused = 23.4548 Ha
- d. Agriculture : No Agricultural observed nearby
- e. Forest(flora and fauna) : No Forest in involved.
- f. Vegetation : Vegetation is not available
- h. Public building, places and monuments (protected, historical), placec of worship and places of tourist : Nil

B Water environment.

- a. Surface water : The seasonal river flows in the ML area. No analysis has been done.
- b. Ground water : No seepage of ground water observed.
- 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 Swantwadi taluka headquarters
- c. Human settlement : There are 5 Villages near to ML, Tulus, Hodawade, Nameli, Talwade & Nirwade.
- d. Recreational facility. : Avaiable at Swantwadi taluka headquarters

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.

| Season | Station type | <u>Water Management</u> | | Value | |
|--------|--------------|-------------------------|-----------|--------|--------|
| | | 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 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.

From 2010-2011 onward, the lessee has not submitted any annual returns to this office. Since there is no mining operation from 2009-2010 & violation is point out for the same cost of operation is Nil.

Reserves:-

Proved (111) = 702760 Tons

Probable (121) = 281107 Tons

Land use pattern:-

Area under Mining = 7.4852 Ha

Infrastructure = 0.010 Ha

Mineral storage = 1.00 Ha

Road = 0.050 Ha

Greenbelt = 1.00 Ha

Unused = 23.4548 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.

Mining Lease granted order No:- MMN 2895/5288/(6914)/IND-9
 Lease area:- 33.00 Ha
 Date of Grant :- 26 Feb 1995 & Date of Expiry:- 25 Feb 2015
 Lease Period:- 20Years
 Name of Mine:- Sankholkar Silica Sand Mine
 Name of Lessee:- Shri.D.A.Sankholkar
 Location of Mine:- Tulas & Hodawade Village, Vengulra Taluk, Sindhudurg District.
 Lessee has been applied for renewal of mining lease

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

Advised the Lessee to submit all Returns to office as soon as possible.

c. Conduct with regard to adoption of safety measures and forest wealth, ecology and environment in the mining lease area.

Mine is not working due to want of EC. Since the deposit is replensible, there is not disturbance for environment.

d. Whether the mine owner has carried out exploration and exploitation on the basis on surface mapping, pitting, trenching and core drilling taking in to consideration the mode of occurrences of mineral deposit.

Due to Shallow Mining, No exploration has been carried out in mining area

e. Whether production from mining area is commensurate with the reserves and the long term progress of utilization of mineral.

Mines has been stopped working from last 2009-2010 since the reserves are huge, the mine is not run by the lessee. now the lease period is valid upto 2015. After lease is renewed and getting EC, the mine will run

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 Lease is valid upto 25.02.2015 only, but the lessee has been submitted the Mining plan along with next renewal period also. (2012-2013 to 2016-2017).

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 :

(G. S. KANNAN)

Indian Bureau of Mines