

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

**MCDR INSPECTION REPORT**

**Nagpur regional office**

**Mine file No :** MAH/BHD/SIL-1/NGP

**Mine code :** 55MSH05002

- (i) Name of the Inspecting : **D025** ) **S. M. DORLE**  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Shri Premchand Tembhare, Agent and Shri Hareef Mohd.  
Official with  
Designation
- (iv) Date of Inspection : 20/12/2018
- (v) Prev.inspection date : 06/03/2008

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **POHARA GARHPENDHRI (EAST)**
- (b) **Registration NO.** : **IBM/5319/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :  
State : MAHARASHTRA  
District : BHANDARA  
Village : POHARA  
Taluka : LAKHANI  
Post office : POHARA  
Pin Code : 441809  
FAX No. :  
E-mail :  
Phone : 522875(M.D.),526419,533101
- (f) Police Station :
- (g) First opening date :
- (h) Weekly day of rest : SUN
2. Address for : 5, ABHYANKAR NAGAR,  
correspondance P. B. NO. 351,  
DISST. NAGPUR-440010 (M.S.)
3. (a) Lease Number : MSH0150  
(b) Lease area : 31.35  
(c) Period of lease : 20  
(d) Date of Expiry : 29/12/2002
4. Mineral worked : SILLIMANITE Main

## 5. Name and Address of the

Lessee : M/s Maharashtra State Mining Corporation  
 5, Abhyankar Nagar Nagpur -  
 10 NAGPUR MAHARASHTRA  
 Phone:  
 FAX :

## Mining Engineer

Name : M.B. TUPEKAR, Full Time  
 Qualification : DIPLOMA IN MINING & MINE SURVEYING + 2ND  
 Appointment/ : 17/10/2004 19/01/2005  
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	18/12/2001
Plan/Scheme of Mining		Modif.of approved Mining Plan	03/07/2007
		FMCP under 23C(1)	19/11/2007
		Mining Scheme rule 12 MCDR1988	18/01/2013
		Mining Scheme rule 12 MCDR1988	07/08/2015

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	Nil	4 Boreholes in 2003. The boreholes were drilled upto a depth of 16 to 21 meters	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserve as on 01/04/20	Balance reserves of Silliminite as on 01.04.2018 11-38000 MT 211-15000 MT 331-15000 MT	Balance reserves of Silliminite as on 01.04.2018 11-38000 MT 211-15000 MT 331-15000 MT	
1f	General remarks of inspecting officers on geology, exploration etc			Mine is under suspension since 30.01.2013 No mining activities in mine.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Plan to develop 2 major pits in the area One in north and One in south	Nil	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed	As per proposal	
2c	Stripping ratio or ore to OB ratio	Nil	Nil	
2d	Quantity of topsoil generation in m3	Nil	Nil	

2e	Quantity of overburden generation in m3	Nil	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Presently mine is under suspension from 2013 for rule 13 i.e non submission of DGPS survey

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2 No. of Pits	2 No. of pits	
3b	Quantity of ROM mineral production proposed	38,000.00 M.T.	Nil	
3c	Recovery of sailable/usable mineral from ROM production	36,860.97 M.T.	Nil	
3d	Quantity of mineral reject generation	1140.03 M.T.	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Mica, Schist & Phyllites.	Nil	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	No subgrade Sillimanite is available at the mine.	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No beneficiation study is proposed	Nil	

3j	Provision of drilling and blasting in mineral benches	By Jack Hammer 32 mm shotholes	As per proposal	
3k	Provision of mining machineries in mineral benches	Truck, Tractor- trolley, Jack Hammer, etc.	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes 3 m height & 3m width	As per proposal	
3m	Total area covered under excavation/pits	Present area: 10,628 M2	As per proposal	
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil	
3o	Total area put in use under different heads at the end of year	2.9749 Hect.	As per proposal	
3p	Production of ROM mineral during the last five year period as applicable	2013-14 : Nil 2014-15: 8116.85 2015-16 : 8073.21 2016-17 : 8152.91 2017-18 : 8084.83	2013-14 : Nil 2014-15: Nil 2015-16 : Nil 2016-17 : Nil 2017-18 : Nil	
3q	General remarks of inspecting officers on method of mining etc.			No work at Mine due to suspension order for non compliance of DGPS survey

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Within mine lease	As per proposal within mine lease	

4b	Location of topsoil, OB and mineral reject dumps	On non-mineralized zone.	As per proposal	
4c	Number of dumps within lease area and outside of lease area	29 Small dumps within leasehold area	Waste dumps accumulated on the lease boundary along safety zones in elongated manner.	
4e	Number of active and alive dumps.	Nil	Nil	
4f	Number of dead dumps.	29 Small dumps within leasehold area	As per proposal	
4g	Number of dumps established.	29 Small dumps within leasehold area	Most of the dumps stabilised	
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposed Garland drain	Nil	
4i	Length of Retaining wall or garland drain all along dumps	Not Proposed	NA	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management			Mine is temporary discontinue. from last 5 years

#### Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Nil	Nil	
5b	Area under backfilling of mined out area	Nil	Nil	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Cultivated land with top soil which support crop in the lease area & is not being used for extraction purpose or allied activities hence it is undisturbed. Therefore there is no loss of top soil.	As per proposal	
5d	Total area fully reclaimed and rehabilitated	Nil	NA	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No backfilling stage, neighter any proposal for the same

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Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes	Yes	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	Nil	Nil	
6d	No. of saplings planted during the year	Nil	Nil	
6e	Cumulative no .of plants	Nil	Nil	
6f	Any other method of rehabilitation	Nil	Nil	
6g	Cost incurred on watch and care during the year	Nil	Nil	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	100 Plants	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Nil	Nil



6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	No action taken by lessee as mine work under suspension
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Manual production and sorting of minerals	As per proposal	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	Sillimanite Lumps & Quartzite	As per proposal Sillimanite Lumps & Quartzite	
7d	Any beneficiation process at mines .	No beneficiation done at mine site.	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			At present no production of Sillimanite as mine is under suspension

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Topsoil is removed and stacked at earmarked area.	As per proposal topsoil is removed and stacked at earmarked area.	

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8b	Concurrent use or storage of topsoil	Cultivated land with top soil which support crop in the lease area & is not being used for extraction purpose or allied activities hence it is undisturbed. Therefore there is no loss of top soil.	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	The plantation will be done & safeguarded by creating garland drains & retaining wall as & where needed.	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No specific land use was given in the approved mining scheme.	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	100 Plants planted previously.	Nil
8g	Survival rate	90%	As per proposal
8h	Water sprinkling on roads to control airborne dust	Proposed	Nil

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Aesthetic beauty in and around mine is good, topography is hillock with no. of shrubs and trees.
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly return upto October 2018 and Annual return of 2017-18 received.		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not Given	-	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Information Given	Found correct	
9d	Scrutiny of Annual return on afforestation	Nil	No plantation during the year as mining operation were suspended	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Graded Ore Closing Balance Sillimanite Lumps : 0.700 MT	Found correct	

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	Mining operation suspended by IBM due to non-submission of Geo Referenced Cadastral Map vide letter No. : MAH/BHD/SIL-1/NGP, Dated: 29/10/2013. The same has not been yet revoked.
9h	Scrutiny of Annual return on fixed assets	Value: Rs. 223 /- Depreciation: Rs. 65/- Closing : Rs. 158/-	Information given is to be varified.
9k	Scrutiny of Annual return on mining machineries	Information not given	Nil

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**Details of violations observed during current inspection and compliance position of violation pointed out**

Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(3)	24/12/2018			
MCDR17	Rule 27(1)	24/12/2018			

**Date :**

(S. M. DORLE)

Indian Bureau of Mines