

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/AJM-223/QTZ.FEL-173

Mine code : 49RAJ01217

- (i) Name of the Inspecting : **S012**) **Sharma H.C.**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh. Arun Sethi & Sh S K Soni, Qp
Official with
Designation
- (iv) Date of Inspection : 15/03/2021
- (v) Prev.inspection date : 03/03/2010

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **RAJGARH (ML NO. 7/93)**
- (b) **Registration NO.** : **IBM/6701/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : RAJASTHAN
District : AJMER
Village : RAJGARH
Taluka : NASIRABAD
Post office : SARDHANA
Pin Code :
FAX No. : N A
E-mail : N A
Phone : 9829073321, 9414003226
- (f) Police Station :
- (g) First opening date : 29/09/1998
- (h) Weekly day of rest : SUN
2. Address for : A K SETHI, PROP MINING & MINERAL IND,
correspondance : 13, PARSHWANATH COLONY, NEAR DAULAT BAGH,
AJMER
3. (a) Lease Number : RAJ1866
- (b) Lease area : 46.32
- (c) Period of lease : 20
- (d) Date of Expiry : 22/09/2018
4. Mineral worked : STEATITE Associated
FELSPAR Associated
QUARTZ Main

5. Name and Address of the

Lessee : MINING & MINERAL INDUSTRIES
PROP. SH. ARIVIND KUMAR
SETHI, 36, KISHANGARH KOTHI,
JAIPUR ROAD AJMER RAJASTHAN
Phone: 0145-2429305, 2426226
FAX : Nil

Owner : ARVIND KUMAR SETHI
13, PARSHVANATH JAIN COLONY
NEAR DAULAT BAG AJMER
RAJASTHAN
Phone: 0145-2429305, 2
FAX : Nil

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	19/12/2006
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	24/01/2014

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration was proposed during last approved plan period.	One exploratory pit developed with symptoms of Mineral emerald.	
1b	Exploration over lease area for geological axis 1 or 2	Not specified	Not applicable	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	None	None	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not specified	Not applicable	
1e	Balance reserve as on 01/04/20	207 kg of Emerald in probable 121 category.	207 kg of Emerald in probable 121 category, as per draft review of mining Plan.	
1f	General remarks of inspecting officers on geology, exploration etc	Not applicable	The future exploration may add reserves in Proved 111 category.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	A total of four pits developed in the area for mineral Quartz & Feldspar out of which old emerald pit fenced & One recently developed with symptoms of Emerald mineralisation.	A total of four pits developed in the area for mineral Quartz & Feldspar out of which old emerald pit fenced & One recently developed with symptoms of Emerald mineralisation.	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes proposed	Yes Provided
2c	Stripping ratio or ore to OB ratio	Not applicable as no working made for mineral Emerald.	Not applicable as no working made for mineral Emerald.
2d	Quantity of topsoil generation in m3	No approved proposals in the mine since 2013-14.	Nil
2e	Quantity of overburden generation in m3	No approved proposals in the mine since 2013-14. The mining plan submitted twice but could not approved due to clearance from Atomic Mineral division.	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Not applicable	A total of four pits developed in the area for mineral Quartz & Feldspar out of which old emerald pit fenced & One recently developed with symptoms of Emerald mineralisation. No approved proposals in the mine since 2013-14. The mining plan submitted twice but could not approved due to clearance from Atomic Mineral division.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Four	Four	

3b	Quantity of ROM mineral production proposed	No approved proposals in the mine since 2013-14. The mining plan submitted twice but could not approved due to clearance from Atomic Mineral division.	Emerald production - Nil.
3c	Recovery of sailable/usable mineral from ROM production	No approved proposals in the mine since 2013-14.	Nil
3d	Quantity of mineral reject generation	No approved proposals in the mine since 2013-14.	None
3e	Grade of mineral rejects generation and threshold value declared.	No approved proposals in the mine since 2013-14.	Not applicable
3f	Quantity of sub grade mineral generation.	No approved proposals in the mine since 2013-14.	Not applicable
3g	Grade of sub grade mineral generation	Not applicable	Not applicable
3h	Manual / Mechanised method adopted for segregating from ROM	No approved proposals in the mine since 2013-14.	Not applicable
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No approved proposals in the mine since 2013-14.	Not applicable
3j	Provision of drilling and blasting in mineral benches	No approved proposals in the mine since 2013-14.	None
3k	Provision of mining machineries in mineral benches	No approved proposals in the mine since 2013-14.	Jack hammer & tractor compressor combination.

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes in Quartz Feldspar
3m	Total area covered under excavation/pits	1.37 ha	1.26 ha
3n	Ore to OB ratio for the pit/mine during the year.	Not applicable as no working made for mineral Emerald.	Not applicable as no working made for mineral Emerald.
3o	Total area put in use under different heads at the end of year	1.37 ha	1.26 ha
3p	Production of ROM mineral during the last five year period as applicable	NIL production for emerald. For Quartz Feldspar during 2013-14- 10639 T & 2014-15-- 12355 T thereafter- Nil.	NIL production for emerald. For Quartz Feldspar during 2013-14- 4200 T & 2014-15-- 4255 T thereafter- Nil.
3q	General remarks of inspecting officers on method of mining etc.	Not applicable	The opencast minual method adopted for carrying out the workings.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No approved proposals in the mine since 2013-14.	None	
4b	Location of topsoil, OB and mineral reject dumps	No approved proposals in the mine since 2013-14.	None	
4c	Number of dumps within lease area and outside of lease area	No approved proposals in the mine since 2013-14.	Not applicable	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No approved proposals in the mine since 2013-14.	None
4e	Number of active and alive dumps.	No approved proposals in the mine since 2013-14.	Nil
4f	Number of dead dumps.	Two	Two
4g	Number of dumps established.	No approved proposals in the mine since 2013-14.	Two
4h	Whether Retaining wall or garland drain all along dumps are there.	No approved proposals in the mine since 2013-14.	None
4i	Length of Retaining wall or garland drain all along dumps	No approved proposals in the mine since 2013-14.	Nil
4j	Number of settling ponds	No approved proposals in the mine since 2013-14.	None
4k	Specific comments of inspecting officer on waste dump management	Not applicable	No approved proposals in the mine since 2013-14, after that MP was submitted twice in the department but could not be approved for want of clearance from atomic mineral division.

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.	No approved proposals in the mine since 2013-14.	Not applicable	
5b	Area under backfilling of mined out area	No approved proposals in the mine since 2013-14.	Not applicable	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No approved proposals in the mine since 2013-14.	Not applicable
5d	Total area fully reclaimed and rehabilitated	No approved proposals in the mine since 2013-14.	Not applicable
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Not applicable	No matured land available for backfilling & reclamation in the area.

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 as per rule	Not submitted	
6b	Area available for rehabilitation (ha) .	1.37 ha	1.2 ha	
6c	afforestation done (ha).	No approved proposals in the mine since 2013-14.	250 plants planted earlier have survived in the lease area near mine office & staff quarters.	
6d	No. of saplings planted during the year	No approved proposals in the mine since 2013-14.	250 plants planted earlier have survived in the lease area near mine office & staff quarters.	
6e	Cumulative no .of plants	No approved proposals in the mine since 2013-14.	250 plants planted earlier have survived in the lease area near mine office & staff quarters.	
6f	Any other method of rehabilitation	No approved proposals in the mine since 2013-14.	None	
6g	Cost incurred on watch and care during the year	No approved proposals in the mine since 2013-14.	Nil	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No approved proposals in the mine since 2013-14.	None
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No approved proposals in the mine since 2013-14.	None
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No approved proposals in the mine since 2013-14.	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No approved proposals in the mine since 2013-14.	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No approved proposals in the mine since 2013-14.	None
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No approved proposals in the mine since 2013-14.	250 planted earlier had survived.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No approved proposals in the mine since 2013-14.	None
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No approved proposals in the mine since 2013-14.	Not applicable

6p	Compliance of environmental monitoring (core zone and buffer zone)	No approved proposals in the mine since 2013-14.	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Not applicable	The violation of rule 26(2) proposed to be issued for not submitting annual report of compliance of PMCP.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No approved proposals in the mine since 2013-14.	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No approved proposals in the mine since 2013-14.	None	
7c	Different grade of mineral sorted out at mines.	No approved proposals in the mine since 2013-14.	None	
7d	Any beneficiation process at mines .	No approved proposals in the mine since 2013-14.	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Not applicable	There was no conservation issue in the mine.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No approved proposals in the mine since 2013-14.	Earlier excavated top soil utilised for plantation in the area.	

8b	Concurrent use or storage of topsoil	No approved proposals in the mine since 2013-14.	Not applicable
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No approved proposals in the mine since 2013-14.	Not applicable
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No approved proposals in the mine since 2013-14.	None
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No approved proposals in the mine since 2013-14.	None
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No approved proposals in the mine since 2013-14.	250 nos planted earlier have been survived near office & Staff quarters.
8g	Survival rate	No approved proposals in the mine since 2013-14.	Nil during 2019-20.
8h	Water sprinkling on roads to control airborne dust	No approved proposals in the mine since 2013-14.	Mine was found Closed.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not applicable	The general aesthetic beauty in & around mine was satisfactory.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Not applicable	The M/R submitted up to February 2021. The A/R submitted for 2019-20.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	The mining engineer stated as Sh. Mukesh Sethi, the manager & Geologist stated to be employed shortly.	The mine is Closed & above information is in order.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered by pits- 1.020, waste disposal- 0.42 ha	Found in order.
9d	Scrutiny of Annual return on afforestation	Nil planted within lease & nil planted outside lease area during 2019-20.	Found in order.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Reject generation-- Nil	Found in order
9f	Scrutiny of Annual return on ROM stock and/or graded ore	The production of mineral stated as Nil	Found in order
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Production cost- Nil	Found in order
9h	Scrutiny of Annual return on fixed assets	The fixed assets stated as Nil	The fixed assets was Nil, but mine office & staff quarters maintained had not been accounted.
9k	Scrutiny of Annual return on mining machineries	The air compressor of 80 CFM stated in the A/R.	Found in order.

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

Date :

(Sharma H.C.)

Indian Bureau of Mines