

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

**MCDR INSPECTION REPORT**

**Ajmer regional office**

**Mine file No :** RAJ/JSL-13/SE-3

**Mine code :** 97RAJ14006

- (i) Name of the Inspecting : **S012** ) **Sharma H.C.**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh. Bhera Ram & Sh. S. K. Soni, QP  
Official with  
Designation
- (iv) Date of Inspection : 24-MAY-19
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **MANDAI(48/95)**
- (b) **Registration NO.** : **IBM/17029/2013**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address :  
State : RAJASTHAN  
District : JAISALMER  
Village : MANDAI  
Taluka : FATEHGARH  
Post office :  
Pin Code :  
FAX No. :  
E-mail : bheraramsiliciousearth@gma:  
Phone : 8094908951
- (f) Police Station : Fatehgarh
- (g) First opening date : 05-FEB-97
- (h) Weekly day of rest : SUN
2. Address for : Sh. BHERU RAM MEGHWAL S/O Sh BIRDHA Ram,  
correspondance R/O Village - Bisukala, Tehsil- Sheo,  
District- Jaiselmer- 344001 (Rajasthan)
3. (a) Lease Number :  
(b) Lease area :  
(c) Period of lease :  
(d) Date of Expiry :
4. Mineral worked : SILICEOUS EARTH Main

5. Name and Address of the

Lessee : BHERA RAM S/O BIRDHA RAM  
VILL. BISKALLA, TEH. SHEO  
DISTT. BARMER BARMER  
RAJASTHAN  
Phone:  
FAX :

Owner : BHERU RAM MEGHWAL  
VILLAGE- BISUKALAN TEHSIL -  
SHIV DISTRICT - BARMER  
BARMER RAJASTHAN  
Phone:  
FAX :

6. Date of approval of Mining :  
Plan/Scheme of Mining

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration was proposed in earlier approved scheme of mining for the period 2013-14 to 2016-17.	No exploration work carried out. The review of mining plan was submitted by the lessee for the period of 2017-18 to 2021-22, but the same was not approved due to non submission of Final copies.	
1b	Exploration over lease area for geological axis 1 or 2	The mining operations were suspended on 10/9/2014 & later termination of lease was recommended on 29/5/2018. No exploration work carried out for G1 or G2 axis.	Not applicable	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No approved proposals.	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No approved proposals.	Not applicable	
1e	Balance reserve as on 01/04/20	56052 T in proved 111 category as per submitted final copies of draft mining plan.	56052 T in proved 111 category as per submitted final copies of draft mining plan.	

1f	General remarks of inspecting officers on geology, exploration etc	Not applicable	No exploration work carried out after approval of mining plan for fresh grant of lease. The review of mining plan was submitted by the lessee for the period of 2017-18 to 2021-22, but the same was not approved due to non submission of Final copies.	Since the lease was recommended for termination in want of approved mining plan, the draft mining plan has been submitted therefore violation of rule 45(1) for registration in MTS module has been pointed out on 11/6/2019.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No approved proposals for the year 2018-19.	Not applicable	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No approved proposals for the year 2018-19.	Not applicable	
2c	Stripping ratio or ore to OB ratio	No approved proposals for the year 2018-19.	Not applicable	
2d	Quantity of topsoil generation in m3	No approved proposals for the year 2018-19.	Not applicable	
2e	Quantity of overburden generation in m3	No approved proposals for the year 2018-19.	Not applicable	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Not applicable	The review of mining plan was submitted by the lessee for the period of 2017-18 to 2021-22, but the same was not approved due to non submission of Final copies. No work made for last two years.	

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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	No approved proposals for the year 2018-19.	Not applicable
3b	Quantity of ROM mineral production proposed	No approved proposals for the year 2018-19.	Not applicable
3c	Recovery of sailable/usable mineral from ROM production	No approved proposals for the year 2018-19.	Not applicable
3d	Quantity of mineral reject generation	No approved proposals for the year 2018-19.	Not applicable
3e	Grade of mineral rejects generation and threshold value declared.	No approved proposals for the year 2018-19.	Not applicable
3f	Quantity of sub grade mineral generation.	No approved proposals for the year 2018-19.	Not applicable
3g	Grade of sub grade mineral generation	No approved proposals for the year 2018-19.	Not applicable
3h	Manual / Mechanised method adopted for segregating from ROM	No approved proposals for the year 2018-19.	Not applicable
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No approved proposals for the year 2018-19.	Not applicable
3j	Provision of drilling and blasting in mineral benches	No approved proposals for the year 2018-19.	Not applicable
3k	Provision of mining machineries in mineral benches	No approved proposals for the year 2018-19.	Not applicable

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No approved proposals for the year 2018-19.	Not applicable
3m	Total area covered under excavation/pits	No approved proposals for the year 2018-19.	0.3050 hectares.
3n	Ore to OB ratio for the pit/mine during the year.	No approved proposals for the year 2018-19.	Not applicable
3o	Total area put in use under different heads at the end of year	No approved proposals for the year 2018-19.	Not applicable
3p	Production of ROM mineral during the last five year period as applicable	2014-15--> 5527 T, 2015-16--> 5537 T, 2016-17--> 5537 T, 20117-18 & 2018-19--> No approved proposals.	2014-15--> 94 T, 2015-16--> 140 T, 2016-17--> 85 T, 20117-18 & 2018-19--> Nil.
3q	General remarks of inspecting officers on method of mining etc.	Not applicable	The review of mining plan was submitted by the lessee for the period of 2017-18 to 2021-22, but the same was not approved due to non submission of Final copies. No work carried out during last two years.

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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)	No approved proposals for the year 2018-19.	Not applicable	
4b	Location of topsoil, OB and mineral reject dumps	No approved proposals for the year 2018-19.	Not applicable	

4c	Number of dumps within lease area and outside of lease area	No approved proposals for the year 2018-19.	Not applicable
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No approved proposals for the year 2018-19.	Not applicable
4e	Number of active and alive dumps.	No approved proposals for the year 2018-19.	Not applicable
4f	Number of dead dumps.	No approved proposals for the year 2018-19.	Not applicable
4g	Number of dumps established.	No approved proposals for the year 2018-19.	Not applicable
4h	Whether Retaining wall or garland drain all along dumps are there.	No approved proposals for the year 2018-19.	Not applicable
4i	Length of Retaining wall or garland drain all along dumps	No approved proposals for the year 2018-19.	Not applicable
4j	Number of settling ponds	No approved proposals for the year 2018-19.	Not applicable
4k	Specific comments of inspecting officer on waste dump management	Not applicable	The review of mining plan was submitted by the lessee for the period of 2017-18 to 2021-22, but the same was not approved due to non submission of Final copies. No work made for last two years.

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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 for the year 2018-19.	Not applicable	

5b	Area under backfilling of mined out area	No approved proposals for the year 2018-19.	Not applicable
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No approved proposals for the year 2018-19.	Not applicable
5d	Total area fully reclaimed and rehabilitated	No approved proposals for the year 2018-19.	Not applicable
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Not applicable	The review of mining plan was submitted by the lessee for the period of 2017-18 to 2021-22, but the same was not approved due to non submission of Final copies. No work made for last two years.

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Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes as per rule.	Not submitted as there were no approved proposals.	
6b	Area available for rehabilitation (ha) .	No approved proposals for the year 2018-19.	Not applicable	
6c	afforestation done (ha).	No approved proposals for the year 2018-19.	Not applicable	
6d	No. of saplings planted during the year	No approved proposals for the year 2018-19.	Not applicable	



6e	Cumulative no .of plants	About 50 plants per year were proposed to be planted during earlier approved plan period from 2013-14 to 2016-17. thereafter there were no proposals.	About 20 trees were planted as reported.
6f	Any other method of rehabilitation	No approved proposals for the year 2018-19.	Not applicable
6g	Cost incurred on watch and care during the year	No approved proposals for the year 2018-19.	Not applicable
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No approved proposals for the year 2018-19.	Not applicable
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No approved proposals for the year 2018-19.	Not applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No approved proposals for the year 2018-19.	Not applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No approved proposals for the year 2018-19.	Not applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No approved proposals for the year 2018-19.	Not applicable

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No approved proposals for the year 2018-19.	Not applicable
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No approved proposals for the year 2018-19.	Not applicable
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No approved proposals for the year 2018-19.	Not applicable
6p	Compliance of environmental monitoring (core zone and buffer zone)	No approved proposals for the year 2018-19.	Not applicable
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Not applicable	There were no approved proposals of PMCP neither any work done for last two years.

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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No approved proposals for the year 2018-19.	Not applicable	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No approved proposals for the year 2018-19.	Not applicable	
7c	Different grade of mineral sorted out at mines.	No approved proposals for the year 2018-19.	Not applicable	
7d	Any beneficiation process at mines .	No approved proposals for the year 2018-19.	Not applicable	

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7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Not applicable	The work at the mine was closed for last two years.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No approved proposals for the year 2018-19.	Not applicable	
8b	Concurrent use or storage of topsoil	No approved proposals for the year 2018-19.	Not applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No approved proposals for the year 2018-19.	Not applicable	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No approved proposals for the year 2018-19.	Not applicable	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No approved proposals for the year 2018-19.	Not applicable	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No approved proposals for the year 2018-19.	Not applicable	
8g	Survival rate	No approved proposals for the year 2018-19.	Not applicable	

8h	Water sprinkling on roads to control airborne dust	No approved proposals for the year 2018-19.	Not applicable as work was closed for last two years.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not applicable	The work at the mine was closed for last two years. There was no change in aesthetic beauty of the area.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Not applicable	The monthly return submitted up to May 2019. The annual return submitted for the Year 2018-19.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	The details of Mining Engineer & Geologist not furnished.	The mine is closed presently.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	The land use under pits, reclaimed area & under rehabilitation has been furnished as Zero.	It can not be zero.	
9d	Scrutiny of Annual return on afforestation	A total of 100 trees plantation had been stated with Zero survival rate within lease hold area.	No pl;antation had been carried out.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No information furnished about reject generation & its Grade.	Not applicable	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	The ROM stock of 250 T had been shown with NIL production.	The ROM stock of 250T was observed at the mine.	

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The details of sale value not furnished.	The mine was closed.
9h	Scrutiny of Annual return on fixed assets	The value of Fixed assets not furnished.	The mine was closed.
9k	Scrutiny of Annual return on mining machineries	The information about deployment of Mining machinery not furnished.	The Mine was closed.

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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

**Date :**

**(Sharma H.C.)**

Indian Bureau of Mines