

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPMENT 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 : **P022** ) **PANKAJ KULSHRESTHA**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Tikam Ram, Rep. of Lessee, S.K.Soni, QP  
Official with  
Designation
- (iv) Date of Inspection : 16/10/2023
- (v) Prev.inspection date : 24/05/2019

**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@gmail
- Phone : 8094908951
- (f) Police Station : Fatehgarh
- (g) First opening date : 05/02/1997
- (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- Jaisalmer- 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 : MP review under 17(1) MCR 2016 17/07/2019  
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 proposal for the year 2022-23	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No exploration work carried out for G1 or G2 axis	Not applicable	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal for exploration during the year 2022-23.	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	55750 T in proved category (111) as per mining plan	55750 T in proved category (111) and 39846 T in probable (121) category with Total Mineral Resources of 140466T as per mining plan.	
1f	General remarks of inspecting officers on geology, exploration etc	NA	No exploration work carried out during the period of previous approved review of mining plan (2019-20 to 2021-22) . Being a small mine and nature of deposit, present status of geology and exploration may be considered as satisfactory.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No approved proposals for the year 2022-23.	Not applicable	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No approved proposal for the year 2022-23.	Not applicable	

2c	Stripping ratio or ore to OB ratio	No approved proposal for the year 2022-23.	Not applicable
2d	Quantity of topsoil generation in m3	No approved proposal for the year 2022-23.	Not applicable
2e	Quantity of overburden generation in m3	No approved proposal for the year 2022-23.	Not applicable
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NA	It is a small deposit, therefore the present status of development may be considered as satisfactory.

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No approved proposal for the year 2022-23.	Not applicable	
3b	Quantity of ROM mineral production proposed	No approved proposal for the year 2022-23.	Not applicable	
3c	Recovery of sailable/usable mineral from ROM production	No approved proposal for the year 2022-23.	Not applicable	
3d	Quantity of mineral reject generation	No approved proposal for the year 2022-23.	Not applicable	
3e	Grade of mineral rejects generation and threshold value declared.	No approved proposal for the year 2022-23.	Not applicable	
3f	Quantity of sub grade mineral generation.	No approved proposal for the year 2022-23.	Not applicable	
3g	Grade of sub grade mineral generation	No approved proposal for the year 2022-23.	Not applicable	

3h	Manual / Mechanised method adopted for segregating from ROM	No approved proposal for the year 2022- 23.	Not applicable
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No approved proposal for the year 2022- 23.	Not applicable
3j	Provision of drilling and blasting in mineral benches	No approved proposal for the year 2022- 23.	Not applicable
3k	Provision of mining machineries in mineral benches	No approved proposal for the year 2022- 23.	Not applicable
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No approved proposal for the year 2022- 23.	Not applicable
3m	Total area covered under excavation/pits	No approved proposal for the year 2022- 23.	Not applicable
3n	Ore to OB ratio for the pit/mine during the year.	No approved proposal for the year 2022- 23.	Not applicable
3o	Total area put in use under different heads at the end of year	No approved proposal for the year 2022- 23.	Not applicable
3p	Production of ROM mineral during the last five year period as applicable	2018-19 : NA 2019-20 : 13740 2020-21 : 14985 T 2021-22 :15048 T 2022-23 : NA	2018-19 : 0 2019-20 : 0 2020-21 : 30.40 T 2021-22 :264.51 T 2022-23 : 0
3q	General remarks of inspecting officers on method of mining etc.	Not applicable	No work carried out during the year 2022-23.

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 2022-23	Not applicable	
4b	Location of topsoil, OB and mineral reject dumps	No approved proposals for the year 2022-23	Not applicable	
4c	Number of dumps within lease area and outside of lease area	No approved proposals for the year 2022-23	Not applicable	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No approved proposals for the year 2022-23	Not applicable	
4e	Number of active and alive dumps.	No approved proposals for the year 2022-23	Not applicable	
4f	Number of dead dumps.	No approved proposals for the year 2022-23	Not applicable	
4g	Number of dumps established.	No approved proposals for the year 2022-23	Not applicable	
4h	Whether Retaining wall or garland drain all along dumps are there.	No approved proposals for the year 2022-23	Not applicable	
4i	Length of Retaining wall or garland drain all along dumps	No approved proposals for the year 2022-23	Not applicable	
4j	Number of settling ponds	No approved proposals for the year 2022-23	Not applicable	
4k	Specific comments of inspecting officer on waste dump management	Not applicable	No work carried out during the year 2022-23.	

#### Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No approved proposals for the year 2022-23	Not applicable
5b	Area under backfilling of mined out area	No approved proposals for the year 2022-23	Not applicable
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No approved proposals for the year 2022-23	Not applicable
5d	Total area fully reclaimed and rehabilitated	No approved proposals for the year 2022-23	Not applicable
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Not applicable	No work done during the year 2022-23.

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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 for the year 2022-23	
6b	Area available for rehabilitation (ha) .	No approved proposals for the year 2022-23	Not applicable	
6c	afforestation done (ha).	No approved proposals for the year 2022-23	Not applicable	
6d	No. of saplings planted during the year	No approved proposals for the year 2022-23	Not applicable	
6e	Cumulative no .of plants	No approved proposals for the year 2022-23	Not applicable	

6f	Any other method of rehabilitation	No approved proposals for the year 2022-23	Not applicable
6g	Cost incurred on watch and care during the year	No approved proposals for the year 2022-23	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 2022-23	Not applicable
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No approved proposals for the year 2022-23	Not applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on on backfilled area	No approved proposals for the year 2022-23	Not applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No approved proposals for the year 2022-23	Not applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No approved proposals for the year 2022-23	Not applicable
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No approved proposals for the year 2022-23	Not applicable
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No approved proposals for the year 2022-23	Not applicable



6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No approved proposals for the year 2022-23	Not applicable
6p	Compliance of environmental monitoring (core zone and buffer zone)	No approved proposals for the year 2022-23	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 during the year 2022-23.

#### 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 2022-23	Not applicable	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No approved proposals for the year 2022-23	Not applicable	
7c	Different grade of mineral sorted out at mines.	No approved proposals for the year 2022-23	Not applicable	
7d	Any beneficiation process at mines .	No approved proposals for the year 2022-23	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NA	No work done during the year 2022-23.	

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	No approved proposals for the year 2022-23	Not applicable
8b	Concurrent use or storage of topsoil	No approved proposals for the year 2022-23	Not applicable
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No approved proposals for the year 2022-23	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 2022-23	Not applicable
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No approved proposals for the year 2022-23	Not applicable
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No approved proposals for the year 2022-23	Not applicable
8g	Survival rate	No approved proposals for the year 2022-23	Not applicable
8h	Water sprinkling on roads to control airborne dust	No approved proposals for the year 2022-23	Not applicable
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NA	No work carried out during the year 2022-23. The present status of aesthetic beauty in and around the mines area may be considered as satisfactory.

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes	Yes submitted.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	No mining engineer and geologist reported during the year 2022-23.	No production reported during hte year 2022-23. No Manager/mining engineer or geologist reported.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O-C) Workings : 0.305 Hect., Used for waste disposal :- 0.09, Used for any other purpose (specify) MINERAL STACK : 0.100	As above.	
9d	Scrutiny of Annual return on afforestation	No plantation reported in the AR.	No plantation observed except some scanty bushes in the lease area as the mine is not working.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	The mine was not working duing the year 2022-23.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	No ROM production reported during the year 2022-23. However Opening/Closin g stock at mine-head as 265.820 Tonnes.	As above.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	No such information furnished in the AR	In absence of production/ despatch during the year 2022-23 Ex-mine price etc not furnished.	
9h	Scrutiny of Annual return on fixed assets	Nil	The mine was non - operative dufing the year 2022-23. No such information furnished.	

9k	Scrutiny of Annual return on mining machineries	Nil	The mine was non - operative dufing the year 2022-23. Further no mining machinery observed during the inspection.
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**Details of violations observed during current inspection and compliance position of violation pointed out**

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17 Rule 55(1)(3) 19/02/2024					
MCDR17 Rule 55(1)(3) 19/02/2024					

**Date :**
**(PANKAJ KULSHRESTHA)**

Indian Bureau of Mines