

**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 : 01) Ajay Kumar Jatolia
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Sh. Bhera Ram, Mine Owner
Official with
Designation
- (iv) Date of Inspection : 22-NOV-24
- (v) Prev.inspection date : 24-MAY-19

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-FEB-97
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : Sh. BHERU RAM MEGHWAL S/O Sh BIRDHA Ram,
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 : MP review under 17(1) MCR 2016 17-JUL-19
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	Not applicable	Nil
1b	Exploration over lease area for geological axis 1 or 2	No proposal	Not applicable	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Not applicable	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	G1:2.16 Ha.,G2:1.67 Ha.,G3:1.17 Ha.	G1:2.16 Ha.,G2:1.67 Ha.,G3:1.17 Ha.	Nil
1e	Balance reserve as on 01/04/20	As per approved document dated 20/01/2024, the position of reserve and resource were 95596 and 1244990.00 tonnes respectively.	As per approved document dated 20/01/2024, the position of reserve and resource were 95596 and 1244990.00 tonnes respectively.	No production of ROM Has been done during the year 2023-24
1f	General remarks of inspecting officers on geology, exploration etc			No proposal of exploration during the RY 2023-24.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	SE-NW	No development work has been carried out during the year 2023-24	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Seperate benches of overburden and minerals have been proposed	No development work has been carried out during the year 2023-24	Nil

2c	Stripping ratio or ore to OB ratio	0.3968(Cum/tonne)	Development work has not been carried out during the year 2023-24.	Ore to Overburden ratio (stripping ratio) was achieved 0.00 (Cum / tonne) against the proposed ratio of 0.3968 (Cum / tonne).Hence, violation under rule 11(1) of MCDR 2017 has been issued.
2d	Quantity of topsoil generation in m3	No proposal	Not applicable	Nil
2e	Quantity of overburden generation in m3	750 Cum	Overburden has not been generated during the year 2023-24.	Nil quantity of Overburden has been produced during the year 2023-24 against the proposal of 750 Cum quantity of Overburden.Hence, violation under rule 11(1) of MCDR 2017 has been issued.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Nil quantity of Overburden has been produced during the year 2023-24 against the proposal of 750 Cum quantity of Overburden.Hence, violation under rule 11(1) of MCDR 2017 has been issued.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	No production has been done during the year 2023-24	Nil

3b	Quantity of ROM mineral production proposed	1890.00 tonnes	No ROM has been produced during the year 2023-24	No ROM has been produced during the year 2023-24 against the proposal of 1890 tonnes quantity of ROM. Hence, violation under rule 11(1) of MCDR 2017 has been issued.
3c	Recovery of sailable/usable mineral from ROM production	90%	No ROM has been produced during the year 2023-24	Nil
3d	Quantity of mineral reject generation	189.0 tonne	No ROM has been produced during the year 2023-24	Nil
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Not applicable	Nil
3f	Quantity of sub grade mineral generation.	No proposal	Not applicable	Nil
3g	Grade of sub grade mineral generation	Not applicable as no proposal	Not applicable	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	Not applicable	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Not applicable	Nil
3j	Provision of drilling and blasting in mineral benches	No proposal	Not applicable	Nil
3k	Provision of mining machineries in mineral benches	Proposed	As per proposal	Nil

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	As per proposal	Nil
3m	Total area covered under excavation/pits	0.55 Ha.	0.33 Ha.	Nil
3n	Ore to OB ratio for the pit/mine during the year.	0.3968 (Cum/tonne)	Nil	Ore to Overburden ratio (stripping ratio) was achieved 0.00 (Cum / tonne) against the proposed ratio of 0.3968 (Cum / tonne). Hence, Violation under rule 11(1) of MCDR 2017 has been issued.
3o	Total area put in use under different heads at the end of year	1.04 Ha.	0.67 Ha.	Nil
3p	Production of ROM mineral during the last five year period as applicable	2019-20: 13740 tonnes, 2020-21: 14990 tonnes, 2021-22: 15050 tonnes, 2023-24: 1890 tonnes,	2019-20: Nil 2020-21: 30.4 tonnes 2021-22: 264.51 tonnes 2022-23: Nil, 2023-24: Nil,	Nil
3q	General remarks of inspecting officers on method of mining etc.			No ROM has been produced during the year 2023-24 against the proposal of 1890 tonnes quantity of ROM. Hence, violation under rule 11(1) of MCDR 2017 has been issued.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal	Not applicable	No Proposals, waste generated during mining operations will be utilised in simultaneously backfilling.
4b	Location of topsoil, OB and mineral reject dumps	No proposal	Not applicable	No Proposals, waste generated during mining operations will be utilised in simultaneously backfilling.
4c	Number of dumps within lease area and outside of lease area	01	01	Mineral stock
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	Nil
4e	Number of active and alive dumps.	01	01	Nil
4f	Number of dead dumps.	No proposal	Not applicable	Nil
4g	Number of dumps established.	No proposal	Not applicable	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	No garland drain has been made on proposed location against the proposal of 40m.	No garland drain has been made on proposed location against the proposal of 40m.Hence, violation under rule 11(1) of MCDR 2017 has been issued.
4i	Length of Retaining wall or garland drain all along dumps	40m garland drain	No garland drain has been made on proposed location against the proposal of 40m	No garland drain has been made on proposed location against the proposal of 40m.Hence, violation under rule 11(1) of MCDR 2017 has been issued.
4j	Number of settling ponds	No proposal	Not applicable	Nil

4k	Specific comments of inspecting officer on waste dump management	No garland drain has been made on proposed location against the proposal of 40m. Hence, violation under rule 11(1) of MCDR 2017 has been issued.
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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 proposal	Not applicable	Mineral extration has not been completed yet.
5b	Area under backfilling of mined out area	0.02 Ha.	Nil	Mining has not been carried out during the year. So, no area matured for backfilling.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	Not applicable	Nil
5d	Total area fully reclaimed and rehabilitated	No proposal	Not applicable	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No such area has matured for reclamation by backfilling.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	As per rule 26 of MCDR, 2017 holder of mining lease shall submit PMCP before 1st day of July every year.	Submitted timely	Nil
6b	Area available for rehabilitation (ha) .	No proposal	Not applicable	Nil
6c	afforestation done (ha).	0.02 Ha.	Not reported	Nil
6d	No. of saplings planted during the year	50 Nos	15 Nos	Nil
6e	Cumulative no .of plants	No specific proposal	Not reported	Nil
6f	Any other method of rehabilitation	No proposal	Not applicable	Nil
6g	Cost incurred on watch and care during the year	Rs 5000	Not reported	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Not applicable	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Not applicable	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal	Not applicable	Nil

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Not applicable	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal	Not applicable	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	0.02 Ha.	Not reported	Nil
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No proposal	Not applicable	Nil
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Plantation	Plantation	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed for monitoring of environment parameter.	No monitoring during RY due to no mining activity.	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			PMCP report submitted on time.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM:1890 tonnes	No ROM has been produced during the reporting year 2023-24	37.260 tonnes (Despatch from Stock)

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	Not applicable	Nil
7c	Different grade of mineral sorted out at mines.	No proposal	Not applicable	Nil
7d	Any beneficiation process at mines .	No proposal	Not applicable	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No issue related to Mineral conservation observed as no mining activity during RY.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal of topsoil generation	Not applicable	Nil
8b	Concurrent use or storage of topsoil	No proposal	Not applicable	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	Not applicable	No Proposals, waste generated during mining operations will be utilised in simultaneously backfilling.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Not applicable	Nil

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Not applicable	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	50Nos	15 Nos	Mining operation has not been carried out during the year 2023-24
8g	Survival rate	No specific proposal	Not applicable	Nil
8h	Water sprinkling on roads to control airborne dust	Proposed	As per proposal	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	50 nos saplings over 0.02 Ha. has been proposed	15 nos sapling over 0.02 Ha. has been carried out.	Mining operation has not been carried out during the year 2023-24

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	As per rule 45 of MCDR, 2017 monthly and annual returns to be submitted.	Submitted timely	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details not given	Mining activity has not been carried out during the year.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Information of land use has been furnished.	Appears to be in order.	Nil

9d	Scrutiny of Annual return on afforestation	15 Nos	Less plantation against 50nos of sapling proposal due to mining activity has not been carried out during the year.	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Mineral Reject-Nil	No mineral reject generation as no mining activity during RY.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Gradewise stock-228.56 toone	Appears to be in order.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale Price- 421.27 Rs/ tonne	Found to be in order	Nil
9h	Scrutiny of Annual return on fixed assets	Fixed asset:NIL	No fixed asset observed.	NIL.
9k	Scrutiny of Annual return on mining machineries	Details given	Found to be in order	Nil

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

Date :

(Ajay Kumar Jatolia)

Indian Bureau of Mines