

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : Raj./Bar-23/SE-10

Mine code : 97RAJ04005

- (i) Name of the Inspecting : 1() A K JATOLIA
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Shri Rajesh Naval, Mining Engineer
Official with
Designation
- (iv) Date of Inspection : 29-JAN-24
- (v) Prev.inspection date : 04-MAR-20

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : MATI KA GOL(8/97)
- (b) **Registration NO.** : 10300
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : RAJASTHAN
- District : BARMER
- Village : MATI KA GOL
- Taluka : SHEOL
- Post office : GUNGA
- Pin Code : 344001
- FAX No. : 9413306995
- E-mail : deepsundri@yahoo.in
- Phone : 9413306995
- (f) **Police Station** : Shiv
- (g) **First opening date** : 30-MAR-00
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : Shashtri Nagar
Barmer 344001
3. (a) **Lease Number** : RAJ5210
- (b) **Lease area** : 5
- (c) **Period of lease** : 50
- (d) **Date of Expiry** : 29-MAR-50
4. **Mineral worked** : SILICEOUS EARTH Main

5. Name and Address of the

Lessee : DEEP SUNDRI
 SHASTRI NAGAR BARMER
 BARMER RAJASTHAN
 Phone:
 FAX :

Owner : DEEP SUNDRI
 SHASTRI NAGAR BARMER
 BARMER RAJASTHAN
 Phone:
 FAX :

Agent : DEEP SUNDRI
 SHASTRI NAGAR BARMER
 BARMER RAJASTHAN
 Phone:
 FAX :

Mining Engineer

Name : Shri Rajesh Nawal, Part Time
 Qualification : BE(Mining)
 Appointment/ : 16-OCT-16
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	08-OCT-99
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	16-JAN-06
		Mining Scheme rule 12 MCDR1988	02-SEP-14
		MP modif under MCR 1960	07-JUL-15
		MP review under 17(1) MCR 2016	06-JUN-20

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No backlog proposal of previous year.	Not applicable as no proposal.	Nil
1b	Exploration over lease area for geological axis 1 or 2	No proposal given	Not applicable as no proposal.	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not applicable as no proposal.	Not applicable	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	Not applicable	Nil
1e	Balance reserve as on 01/04/20	As per approved document dated 05/06/2020, the position of reserve and resource were 133481 and 15124 tonnes respectively.	The position of reserve and resource as on 31.03.2023 were 132061 and 15124 tonnes respectively.	Nil
1f	General remarks of inspecting officers on geology, exploration etc			No specific proposal for reporting year.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N194-N255,W38-W110	As per proposal.	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed	As per proposal	Nil

2c	Stripping ratio or ore to OB ratio	1:0.196 (Cum / tonne)	1:0.0 (Cum / tonne)	Ore to Overburden ratio (stripping ratio) was achieved 1:0.0 (Cum / tonne) against the proposed ratio of 1:0.196 (Cum / tonne). Hence, Violation under rule 11(1) of MCDR 2017 has been issued.
2d	Quantity of topsoil generation in m3	1686 Cum quantity of topsoil generation has been proposed.	Nil quantity of topsoil has been generated during the year 2022-23.	No top soil generated is in account of less production of mineral.
2e	Quantity of overburden generation in m3	964 Cum quantity of Overburden generation has been proposed.	Nil quantity of Overburden has been generated during the year 2022-23.	Nil quantity of Overburden has been produced during the year 2022-23 against the proposal of 964 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 2022-23 against the proposal of 964 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	One	Nil

3b	Quantity of ROM mineral production proposed	4900 tonnes quantity of ROM mineral production has been proposed.	210 tonnes quantity of ROM mineral production has been produced during the year.	210 tonnes quantity of ROM has been produced during the year 2022-23 against the proposal of 4900 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%	As per proposal	Nil
3d	Quantity of mineral reject generation	No proposal.	None	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable as no proposal.	Not applicable	Nil
3f	Quantity of sub grade mineral generation.	No proposal	None	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	Manual	Manual	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	None	Nil
3j	Provision of drilling and blasting in mineral benches	No proposal	None	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	Proposed	As per proposal.	Nil
3m	Total area covered under excavation/pits	1.54 Ha.	1.093 Ha.	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:0.196 (Cum / tonne).	1:0.0 (Cum / tonne)	Ore to Overburden ratio (stripping ratio) was achieved 1:0.0 (Cum / tonne) against the proposed ratio of 1:0.196 (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	As per approved document dated 12.03.2021, an area of 1.93 ha has been proposed to put in use at the end of the plan period i.e. 2024-25.	As reported an area of 1.31 ha. area has been put under different heads at the end of the year 2022-23	Nil
3p	Production of ROM mineral during the last five year period as applicable	2018-19 : 5544 tonnes 2019-20 : 6200 tonnes 2020-21 : 3020 tonnes 2021-22 : 4348 tonnes 2022-23 : 4900 tonnes	2018-19 : 0 tonnes 2019-20 : 0 tonnes 2020-21 : 130 tonnes 2021-22 : 1080 tonnes 2022-23 : 210 tonnes	
3q	General remarks of inspecting officers on method of mining etc.	Opencast method of the mining has been proposed.	Opencast method of mining has been practiced.	Due to near surface deposition of mineral opencast method is suitable.

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)	Simultaneously backfilling of OB has been proposed for the reporting year.No proposal of dumping of topsoil and mineral reject.	No OB, top soil and mineral reject have been generated as per proposal.	Nil
4b	Location of topsoil, OB and mineral reject dumps	Simultaneously backfilling of OB has been proposed for the reporting year.No proposal of dumping of topsoil and mineral reject.	No OB, top soil and mineral reject have been generated as per proposal.	Nil
4c	Number of dumps within lease area and outside of lease area	Within lease area : One(Mineral stack), Outside Lease area : Nil	Within lease area : One(Mineral stack), Outside Lease area : Nil	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside the UPL	Outside the UPL	Nil
4e	Number of active and alive dumps.	One	One	Nil
4f	Number of dead dumps.	No proposal	None	Nil
4g	Number of dumps established.	No proposal	None	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Garland drain along the working pit has been proposed.	As per proposal.	Nil
4i	Length of Retaining wall or garland drain all along dumps	20 m garland drain along the working pit has been proposed.	As per proposal.	Nil
4j	Number of settling ponds	No proposal.	None	Nil

4k	Specific comments of inspecting officer on waste dump management	Generated waste has been proposed to backfill in mined out pit area.	No waste has been generated during the year	No waste has been generated as in account of less mineral production.
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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.	After full extraction of the mineral, backfilling of same has been proposed.	No backfilling has been carried out during the reporting year.	No backfilling has been carried out during the reporting year due to nil production of OB.
5b	Area under backfilling of mined out area	0.62 Ha.	Nil	No backfilling has been carried out during the reporting year due to nil production of OB.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	An quantity of 1686 m3 of Sandy Soil has been proposed to generate and also proposed to spread over backfilled area	Sandy Soil has not been spread over backfilled area.	Due to no generation of sandy soil as in account of less production of mineral.
5d	Total area fully reclaimed and rehabilitated	Reclamation and Rehabilitation of 0.63 Ha area has been proposed during the year.	50 plants has been planted over the area 0.02 ha.	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No top soil and OB have been generated during the reporting year as in account of less production of mineral.

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.	PMCP report for the year 2022-23 has been submitted.	Nil
6b	Area available for rehabilitation (ha) .	0.02 Ha	0.02 Ha.	Nil
6c	afforestation done (ha).	0.02 Ha	0.02 Ha	Nil
6d	No. of saplings planted during the year	50 nos of sapling over an area of 0.02 ha. has been proposed	It has been carried out as per proposal.	Nil
6e	Cumulative no .of plants	No specific proposal.	No reported	Nil
6f	Any other method of rehabilitation	No proposal	None	Nil
6g	Cost incurred on watch and care during the year	Rs 2500 /-	As per proposal.	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	0.05 Ha	As per proposal.	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	0.62 Ha	Nil	No OB generated during the reporting year.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	0.02 Ha.	0.02 Ha.	Nil

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	None	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	None	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	0.02 Ha	0.02 Ha	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.02Ha.	0.02Ha.	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)	Regular monitoring of environment parameters.	Monitoring has been carried out for the reporting year.	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Planation with 50 numbers of saplings has been proposed within lease area.	A total of 150 number of saplings has been planted within lease area.	Nil

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade-wise sorting within lease area.	Grade-wise sorting has been carried out.	Nil

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual.	Manual.	Nil
7c	Different grade of mineral sorted out at mines.	No specific proposal.	Not applicable as no proposal.	Nil
7d	Any beneficiation process at mines .	No beneficiation process at the mine.	Not applicable as no beneficiation process at the mine.	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No proposal of any beneficiation.	Not applicable as no proposal.	Nil

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Seperate removal and utilisation of topsoil has been proposed.	Nil production of topsoil has been reported for the reporting year.	No top soil generated during the year due to less production of mineral.
8b	Concurrent use or storage of topsoil	No proposal	None	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Seperate dumps for OB, waste rock, rejects and fine have been proposed	No top soil, OB and rejects have been generated during the reporting year.	Due to less production of mineral.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Simultaneous backfilling by waste rocks.	No top soil, OB and rejects have been generated during the reporting year.	Nil

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	An area of 0.02 Ha has been proposed for reclamation.	As reported during site inspection an area of around 0.02 Ha. has been reclaimed.	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Planation with 50 numbers of saplings has been proposed.	Plantation with 50 numbers of saplings within lease area.	Nil
8g	Survival rate	No specific proposal	About 20% as reported.	Nil
8h	Water sprinkling on roads to control airborne dust	Water spraying has been proposed on the roads.	Water sprinkling has been observed on the date of inspection.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty of the mine is maintained.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Annual & monthly return shloud be submitted as per rule 45 of MCDR 2017.	Annual Return and Monthly Return have been submitted.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details given	Found to be in order.	Nil

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O-C) Workings- 1.093 Ha., Reclaimed rehabilitated- 0.548 Ha., Used for waste disposal-0.09 Ha. Occupied by plant, buildings, residential, welfare buildings and roads-0.10 Ha., Used for any other purpose (specify) Mineral Stack- 0.12Ha., Work done under progressive mine closure plan during the year- 0.015Ha.	Found to be correct.	Nil
9d	Scrutiny of Annual return on afforestation	50 Numbers of trees reported during the year.	Found to be correct.	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil Mineral reject has been reported.	Found to be in order.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM Stock - Nil, Opening Stock of Graded Ore- 2372.09 tonnes, and Closing Stock of Graded Ore- 1388.66 tonnes	Found to be in Order.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale Value- 569.45 Rs./ Tonne, Ex-Mine Price - 569.45 Rs./ Tonne, and COP-459.06 Rs./ Tonne	Appears to be in order.	Nil

9h	Scrutiny of Annual return on fixed assets	The value of fixed asset furnished is Nil.	The information furnished found in order.	Nil
9k	Scrutiny of Annual return on mining machineries	02 Jeep / Tractor	The information furnished found to correct.	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
MCDR17	Rule 11(1)	18-MAR-24			
MCDR17	Rule 45(7)(a)	18-MAR-24			

Date :

(A K JATOLIA)

Indian Bureau of Mines