

**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 : **G021**) **D R GURJAR**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Parmeshwar Khatri
Official with
Designation
- (iv) Date of Inspection : 04-MAR-20
- (v) Prev.inspection date : 16-FEB-18

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** : **Shashtri Nagar**
correspondance : **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

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	During the previous year i.e. 2017-18 no exploration was proposed.	No backlog.	Nil
1b	Exploration over lease area for geological axis 1 or 2	No such proposal given in last approved modified mining plan (approved on 07.07.2015)	No exploration has been carried out during the year 2018-19.	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No specific proposal of exploration agency & expenditures.	None	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	No specific proposal about balance area to be explored under G1/G2	Not applicable as no proposal	Current inspection carried out for Review of MP hence through scrutiny comment it is advised to submit the exploration proposal for G1 level of entire potential mineralised area as per time line of MCDR 2017.
1e	Balance reserve as on 01/04/20	As per approved mining plan the reserve as on 01.04.2015 are 38900 tonne	The reserve as on 01.04.2019 is 36289 tonnes	Depletion of 2611 tonne production during the year 2015-16 to 2018-19.
1f	General remarks of inspecting officers on geology, exploration etc			Exploration has been carried out as per proposal during the current modified mining plan period i.e. 2015-16 to 2019-20 as per proposal.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	80N to 260N & 0E to 100E	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	1:6.59	0:0	Mining operation are temporary discontinued from 01.07.2017.
2d	Quantity of topsoil generation in m3	During the year 2018-19: 13910 T	2018-19: 0 T	Mining operation are temporary discontinued from 01.07.2017.
2e	Quantity of overburden generation in m3	2018-19: 18450T	2018-19: Nil	Mining operation are temporary discontinued from 01.07.2017.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			No mining activities has been carried out during the last year as mining operation are temporary discontinued from 01.07.2017.

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	2018-19: 5544 T	2018-19: 0 T	No mining activities has been carried out during the last year as mining operation are temporary discontinued from 01.07.2017.
3c	Recovery of sailable/usable mineral from ROM production	90%	Nil	Mining operation are temporary discontinued from 01.07.2017.
3d	Quantity of mineral reject generation	During the year 2018-19 554 T	Nil	Mining operation are temporary discontinued from 01.07.2017.

3e	Grade of mineral rejects generation and threshold value declared.	Not Specified.	No mineral reject generated during the year 2018-19.	Nil
3f	Quantity of sub grade mineral generation.	No sub grade is proposed.	No subgrade generated during the last year	Nil
3g	Grade of sub grade mineral generation	No subgrade generation proposal	Not applicable	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	None	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	None	Nil
3j	Provision of drilling and blasting in mineral benches	No proposal	None	Nil
3k	Provision of mining machineries in mineral benches	Manual mining 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	It is proposed that at the end of year 2019-20 total 1.44 hect area will be covered under pit.	Currently as per submitted draft RMP 1.09 ha area has been covered under mining.	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:6.59	0:0	Mining operation are temporary discontinued from 01.07.2017.

3o	Total area put in use under different heads at the end of year	It is proposed that at the end of year 2019-20 total 1.79 ha. area will be utilised under different heads.	Currently as per submitted draft RMP 1.45 ha area has been covered under various heads.	Nil
3p	Production of ROM mineral during the last five year period as applicable	2015-16=3000 tonnes 2016-17=4480tonnes 2017-18= 5040tonnes 2018-19= 5544 tonnes, 2019-20= 6200 tonnes,	2015-16=1200 tonnes 2016-17=1170tonnes 2017-18= 540tonnes 2018-19= 0 tonnes, 2019-20=0 tonnes (up to Jan 2020)	Mining operation are temporary discontinued from 01.07.2017.
3q	General remarks of inspecting officers on method of mining etc.			Open cast mining method was proposed which is best suited to the type of deposit.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposed.	No topsoil, OB & mineral reject generated during the last year	Mining operation are temporary discontinued from 01.07.2017.
4b	Location of topsoil, OB and mineral reject dumps	During the year 2018-19 it is proposed that top soil, OB shall be simultaneously used for backfilling of excavated mining pit.	No topsoil, OB & mineral reject generated during the last year	Mining operation are temporary discontinued from 01.07.2017.
4c	Number of dumps within lease area and outside of lease area	No proposal of dumps.	None	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No dumps proposed	Not applicable	Nil
4e	Number of active and alive dumps.	No dumps proposed	Not applicable	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.	No proposal	Not applicable	Nil
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Not applicable	Nil
4j	Number of settling ponds	No proposal	None	Nil
4k	Specific comments of inspecting officer on waste dump management			No issue related to waste dump management as waste/OB is simultaneously used for backfilling of excavated area.

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.	Full extraction of mineral before backfilling.	Yes as per proposal.	Nil
5b	Area under backfilling of mined out area	0.2365 hect area will be backfilled during the year 2018-19	No backfilling has been carried out during the year 2018-19.	Mining operation are temporary discontinued from 01.07.2017.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Yes proposal given	None dring the year 2018-19	Mining operation are temporary discontinued from 01.07.2017.
5d	Total area fully reclaimed and rehabilitated	0.2365 hect area will be backfilled during the year 2018-19	None during the year 2018-19	Mining operation are temporary discontinued from 01.07.2017.

5e General remarks of inspecting officers on backfilling and reclamation etc. Simultaneously backfilling has been carried out.

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).	PMCP report should be sublitted up to 1 july for the previous financial year.	PMCP report for the FY 2018-19 has not been submitted.	Violation of Rule 26(2) of MCDR 2017 is being issued.
6b	Area available for rehabilitation (ha) .	No proposal	None	Nil
6c	afforestation done (ha).	0.02 hect. area	0.02 ha area	As reported during the inspection.
6d	No. of saplings planted during the year	50 nos.	50 nos. within ML 50 nos, outside of ML	As per AR 2018-19
6e	Cumulative no .of plants	Not specified	Not reported	Violation of Rule 26(2) of MCDR 2017 is being issued.
6f	Any other method of rehabilitation	No proposal	None	Nil
6g	Cost incurred on watch and care during the year	Not specified	Not reported	Violation of Rule 26(2) of MCDR 2017 is being issued.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	0.2365 hect area will be backfilled during the year 2018-19	No backfilling has been carried out during the year 2018-19.	Mining operation are temporary discontinued from 01.07.2017.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	0.2365 hect area will be backfilled during the year 2018-19	No backfilling has been carried out during the year 2018-19.	Mining operation are temporary discontinued from 01.07.2017.

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on on backfilled area	No proposal	None	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Nil	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 hect area proposed.	0.02 hect. area	Nil
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No proposal	None	Nil
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Not specified	None	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed	Carried out.	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Violation of Rule 26(2) of MCDR 2017 is being issued for non submission of PMCP report for the year 2018-19.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal	None	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	None	Nil
7c	Different grade of mineral sorted out at mines.	No proposal	None	Nil
7d	Any beneficiation process at mines	No proposal	None	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No issue was observed related to mineral conservation.

Environment :

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposal given	No mining operation during the year 2018-19	Mining operation are temporary discontinued from 01.07.2017.
8b	Concurrent use or storage of topsoil	Backfilling	None	Mining operation are temporary discontinued from 01.07.2017.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Simultaneously backfilling proposed	None during the year 2018-19.	Mining operation are temporary discontinued from 01.07.2017.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes proposal given for backfilling	None	Mining operation are temporary discontinued from 01.07.2017.

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposed by way of simultaneously backfilling.	None during the last year	Mining operation are temporary discontinued from 01.07.2017.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	50 nos. sapling proposed.	50 nos. sapling planted within ML area & 50 nos. sapling planted outside of ML area	Nil
8g	Survival rate	Not specified	30%	Nil
8h	Water sprinkling on roads to control airborne dust	Proposed	Observed	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty is good in and around mine area.

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	AR 2018-19 submitted, MR for the month of Feb 2020 & March 2020 have not been submitted yet.	Violation of rule 45(5)(b) of MCDR 2017 is being issued to the leesse for non submssion of monthly returns of Feb & March 2020.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details given	Found correct.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details given	Found correct.	Nil

9d	Scrutiny of Annual return on afforestation	Details given	Found in order.	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No mineral reject generation	Found correct.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing stock shown 2930 tonnes	Appears to be correct.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	No dispatch hence ex mine price shown Nil & No production hence cost of production shown 0.	Details are correct.	Nil
9h	Scrutiny of Annual return on fixed assets	Details given as Nil	Found to be correct.	Nil
9k	Scrutiny of Annual return on mining machineries	No machinery detail given	No machines was observed.	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 26(2)	28-APR-20			
MCDR17	Rule 45(5)(k	28-APR-20			

Date :

(D R GURJAR)

Indian Bureau of Mines