

**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 : **26**) **Nishant kumar rao**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh Kuldeep Khatri (Agent), Sh S k Soni (QP)
Official with
Designation
- (iv) Date of Inspection : 24-JUL-24
- (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. :
- 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	No proposal	No proposal	
1b	Exploration over lease area for geological axis 1 or 2	No proposal during the year	No exploration carried out during in this year therefore value for axis remain same	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Lessee himself declared as exploration agency. No exploration proposed during the year	No exploration carried out during in this year therefore no expenditure on exploration during in this year	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	NA	
1e	Balance reserve as on 01/04/20	As per approved document dated 06/06/2020, the position of reserve and resource were 133481 and 15124tonnes respectively	The position of reserve and resource as on 31.03.2023 were 130511 and 15124tonnes respectively.	
1f	General remarks of inspecting officers on geology, exploration etc			nil

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N177-N235,W37 W122	as per proposal	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	proposed	as per plan	

2c	Stripping ratio or ore to OB ratio	1:1.10	1:0.0 In this year no working pit extend	
2d	Quantity of topsoil generation in m3	4500m3	nil,working pit not extended	
2e	Quantity of overburden generation in m3	5760m3	Overburden not generated	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			deviation point out to lessee

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Production from one pit was proposed	Production raised from one pit during the year	
3b	Quantity of ROM mineral production proposed	5220t	1650t	
3c	Recovery of sailable/usable mineral from ROM production	90%	90%	
3d	Quantity of mineral reject generation	10 %	10 %	
3e	Grade of mineral rejects generation and threshold value declared.	not specified	not specified	
3f	Quantity of sub grade mineral generation.	No proposal	na	
3g	Grade of sub grade mineral generation	No proposal	na	
3h	Manual / Mechanised method adopted for segregating from ROM	manual	manual	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	no proposal	not specified	
3j	Provision of drilling and blasting in mineral benches	No proposal	na	
3k	Provision of mining machineries in mineral benches	On hire basis	On hire basis	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	OB bench 4m, mineral bench -4 m	OB bench 4m, mineral bench -4 m	
3m	Total area covered under excavation/pits	1.54 Ha.	1.093hects	
3n	Ore to OB ratio for the pit/mine during the year.	1:1.10 during the year	1:0.00 During the year	
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	As reported an area of 1.31 ha. area has been put under different heads at the end of the year 2023-24	
3p	Production of ROM mineral during the last five year period as applicable	2019-20: 6200 t 2020-21: 3020 t 2021-22: 4348 t 2022-23: 4900 t 2023-24: 5500 t	2019-20: 0 t 2020-21: 130 t 2021-22: 1080 t 2022-23: 210 t 2023-24: 1650 t	deviation point out to lessee
3q	General remarks of inspecting officers on method of mining etc.			deviation for low production is pointed out to lessee

Solid Waste Management - Dumping:

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

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	
4b	Location of topsoil, OB and mineral reject dumps	nil	nil	
4c	Number of dumps within lease area and outside of lease area	nil	nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	nil	nil	
4e	Number of active and alive dumps.	nil	nil	
4f	Number of dead dumps.	nil	nil	
4g	Number of dumps established.	nil	nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Garland drain along the working pit has been proposed.	as proposed	
4i	Length of Retaining wall or garland drain all along dumps	55m garland drain along the working pit has been proposed.	45m garland drain along the working pit	
4j	Number of settling ponds	nil	nil	
4k	Specific comments of inspecting officer on waste dump management			Deviation point out to lessee

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.
5b	Area under backfilling of mined out area	0.720hect.	0.004hect.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	An quantity of 4500 m3 of Sandy Soil has been proposed to generate and also proposed to spread over backfilled area	In this year no working pit extend
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 0.02ha.
5e	General remarks of inspecting officers on backfilling and reclamation etc.		nil

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).	yes as per rule	Yes submitted	
6b	Area available for rehabilitation (ha) .	0.02 Ha	0.02 Ha	
6c	afforestation done (ha).	0.02 Ha	0.02 Ha	
6d	No. of saplings planted during the year	50 nose of sapling over an area of 0.02 ha. has been proposed	It has been carried out as per proposal	

6e	Cumulative no .of plants	No specific proposal.	50
6f	Any other method of rehabilitation	na	na
6g	Cost incurred on watch and care during the year	rs 2500/-	rs 2500/-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	0.05 Ha	As per proposal
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	na	nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	na	nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	na	nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	na	nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	0.02 ha	0.02 ha
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.02 ha	0.02 ha

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation	Plantation	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Regular monitoring of environment parameters.	Monitoring has been carried out for the reporting year	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			deviation point out to lessee

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 within lease area	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	Not specified	nil	
7d	Any beneficiation process at mines .	Not specified	nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			nil

Environment:

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

8a	Separate removal and utilization of topsoil (Rule 32)	Separate removal and utilization of top soil for backfilling	As per plan spreading on backfilled area.	
8b	Concurrent use or storage of topsoil	Backfilling and plantation	Spreading on backfilled area.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed separate dumping with simultaneous backfilling	Backfilling is being done	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Simultaneous backfilling	Backfilling is being done	
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.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	50 nose of trees to be planted	Planted 50 trees but survival rate is only 20%	
8g	Survival rate	not specified	survival rate is 20%	
8h	Water sprinkling on roads to control airborne dust	yes	yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			deviaition point to lesee

Compliance of Rule 45:

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

9a	Status of submission of Monthly and Annual returns	M.R. submitted up to Jun 2024 A.R. Submitted for 2023-24. Submit	Submitted within time	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager : Rajesh Kumar , Mining Engineer Rajesh Kumar Naval. Geologist: none	Manager : Rajesh Kumar , Mining Engineer Rajesh Kumar Naval. Geologist: none	Deviation point to lessee
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	current (O-C) as above Workings: 1.093hect., Reclaimed rehabilitated: 0.570hect., Occupied by plant, buildings, residential, welfare buildings and roads: 0.1hects. , Used for any other purpose (specify) MINERAL STACK: 0.10hects.		
9d	Scrutiny of Annual return on afforestation	Number of trees planted during the year: 50 (WML), 10(OML), Survival Rate 20% Total no. of trees at the end of the year 2023-24 : 70(WML), 15(OML)	as above	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	grade mineral 550ton reject generation reported	160ton reject generation during the year 2023-24	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	5500ton generation reported	During the year 2023-24 total 1650 Ton produced from the mine.	

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The ex-mine price reported as Rs. 581 in the annual return and cost of production reported as Rs. 455.69	as above
9h	Scrutiny of Annual return on fixed assets	No information furnished under this head in the annual return for the year	No major capital investment observed.
9k	Scrutiny of Annual return on mining machineries	TRACTOR- 2	as above

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 :

(Nishant kumar rao)

Indian Bureau of Mines