

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

**MCDR INSPECTION REPORT**

**Ajmer regional office**

**Mine file No :** RAJ/JSL-7/SE-1

**Mine code :** 97RAJ14008

- (i) Name of the Inspecting : 26 ) Nishant kumar rao  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh Radheshyam Paliwal (Mining engineer)  
Official with  
Designation
- (iv) Date of Inspection : 25-JUL-24
- (v) Prev.inspection date : 17-FEB-18

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : KAPURIA(01/01)
- (b) **Registration NO.** : 9009/IBM
- (c) **Category** : A Other than Fully Mech.
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : RAJASTHAN
- District : JAISALMER
- Village : KAPURIA
- Taluka : JAISALMER
- Post office :
- Pin Code :
- FAX No. : 0294-2490538
- E-mail : seemamineral@hotmail.com
- Phone : 9414156880
- (f) **Police Station** : Kapuriya
- (g) **First opening date** : 23-DEC-01
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : 203-A, Mewar Industrial Area  
Road no. 11/F, Madri  
PO Udaipur
3. (a) **Lease Number** : RAJ5162
- (b) **Lease area** : 48.7
- (c) **Period of lease** : 50
- (d) **Date of Expiry** : 22-DEC-51
4. **Mineral worked** : SILICEOUS EARTH Main

## 5. Name and Address of the

Lessee : SEEMA MINERALS AND METALS  
 203-A, MEWAR INDUSTRIAL  
 AREA, ROAD NO.-11/F, MADRI,  
 UDAIPUR RAJASTHAN  
 Phone:  
 FAX :

Owner : SEEMA MINERALS & METALS  
 SETHJI KI BARI, HOSPITAL  
 ROAD, UDAIPUR UDAIPUR  
 RAJASTHAN  
 Phone: 0294-522864, 52  
 FAX :

## Mining Engineer

Name : Sh Manoj Kumar Ray, Part Time  
 Qualification :  
 Appointment/ : 01-NOV-17  
 Termination date

## Geologist

Name : Nirupama Jain, Part Time  
 Qualification : M.Sc Geology  
 Appointment/ : 18-SEP-17  
 Termination date

## Manager

Name : M K Chittora  
 Qualification :  
 Appointment/ :  
 Termination date

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 14-JUL-14  
 Plan/Scheme of Mining MP review under 17(1) MCR 2016 19-MAY-17

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NA	NA	
1b	Exploration over lease area for geological axis 1 or 2	Completed 100 %	Completed 100 %	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Lessee himself	Lessee himself	
1d	Balance area to be explored to bring Geological axis in 1 or 2	nil	nil	
1e	Balance reserve as on 01/04/20	R&R is 1,200,849 t	R&R is 1,200,849 t	
1f	General remarks of inspecting officers on geology, exploration etc			nil

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	South of area	as proposed	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	1-2m in topsoil, 4-5 m in OB, 4m in mineral	as proposed	
2c	Stripping ratio or ore to OB ratio	1.09	AS PROPOSED	
2d	Quantity of topsoil generation in m3	4466 cub mtr	Nil is reported as per AR	
2e	Quantity of overburden generation in m3	7820 t	nil is reported as per AR	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Deviation point out to lessee
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**Exploitation:**

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2	2	
3b	Quantity of ROM mineral production proposed	7193.280 t	3786.67 t	
3c	Recovery of sailable/usable mineral from ROM production	6473.952	3408 t	
3d	Quantity of mineral reject generation	719.328 t	378.67 t	
3e	Grade of mineral rejects generation and threshold value declared.	na	na	
3f	Quantity of sub grade mineral generation.	na	na	
3g	Grade of sub grade mineral generation	no proposal	no proposal	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual method of segregation	Manual method of segregation	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal of beneficiation study	No proposal of beneficiation study	
3j	Provision of drilling and blasting in mineral benches	No proposal of drilling and blasting.	No proposal of drilling and blasting.	

3k	Provision of mining machineries in mineral benches	Excavator, Tractor-Trolley, Water tanker	Excavator, Tractor-Trolley, Water tanker
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	1-2m in soil 4-5 m in OB 4 m in mineral Suitable height of benches proposed in MP	As per proposal
3m	Total area covered under excavation/pits	6.8700	As per proposal
3n	Ore to OB ratio for the pit/mine during the year.	1.09	As per proposal
3o	Total area put in use under different heads at the end of year	(i) Already exploited and abandoned by opencast (O-C) mining 4.750 (ii) Covered under current (O-C) Workings 0.482 (iii) Reclaimed-rehabilitated 0.200 (iv) Used for waste disposal roads 1.530 (v) Occupied by plant, buildings, residential, welfare buildings and roads 1.530 (vi) Used for any other purpose (specify)Plantation 1.010 (vii) Work done under progressive mine closure plan during the year 0.610	(i) Already exploited and abandoned by opencast (O-C) mining 4.750 (ii) Covered under current (O-C) Workings 0.482 (iii) Reclaimed-rehabilitated 0.200 (iv) Used for waste disposal 0 (v) Occupied by plant, buildings, residential, welfare buildings and roads 1.530 (vi) Used for any other purpose (specify)Plantation 1.010 (vii) Work done under progressive mine closure plan during the year 0.610

3p	Production of ROM mineral during the last five year period as applicable	2019-20:000 2020- 21:25421.33 2021-22: 6002 2022-23:934.56 2023- 24:7193.28	2019-20:000 2020-21: 118 2021-22: 789 2022-23:901 2023-24:3408
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3q	General remarks of inspecting officers on method of mining etc.	Deviation point out to lessee
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes proposed	as per proposal	
4b	Location of topsoil, OB and mineral reject dumps	N2924675- N2924751 E700486- E700757	as per proposal	
4c	Number of dumps within lease area and outside of lease area	Not Proposed	na ( waste generated is backfilled simultaneously)	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not Proposed	NA	
4e	Number of active and alive dumps.	Not Proposed	na	
4f	Number of dead dumps.	Not Proposed	na	
4g	Number of dumps established.	Not Proposed	na	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not Proposed	na	
4i	Length of Retaining wall or garland drain all along dumps	Not Proposed	na	
4j	Number of settling ponds	Not Proposed	na	

4k	Specific comments of inspecting officer on waste dump management	nil
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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.	6.8700	as proposed	
5b	Area under backfilling of mined out area	5.586	as proposed	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Lay out over back fill area	as proposed	
5d	Total area fully reclaimed and rehabilitated	5.586	as proposed	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Nil

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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	yes	
6b	Area available for rehabilitation (ha) .	0.31	0.2	
6c	afforestation done (ha).	0.31 ha	over the area of 0.2 ha	

6d	No. of saplings planted during the year	100	100
6e	Cumulative no .of plants	2000	1000
6f	Any other method of rehabilitation	na	na
6g	Cost incurred on watch and care during the year	20000	rs 20000
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	-	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	0.44	0.44
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	0.44	0.44
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	na	na
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	na	na
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	na	na

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	na	na	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	na	na	
6p	Compliance of environmental monitoring (core zone and buffer zone)	yes	yes	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			nil

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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.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual.	Manual.	
7c	Different grade of mineral sorted out at mines.	No specific proposal of grade wise sorting	No specific proposal of grade wise sorting	
7d	Any beneficiation process at mines .	No beneficiation process at the mine	No beneficiation process at the mine	
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)	yes proposed	as per proposal spread over the back filled area	
8b	Concurrent use or storage of topsoil	on back filled area	on back filled area	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	not proposed	na	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Simultaneously backfilling is proposed	as per proposal	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	yes	continue going on	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	2000	1000	
8g	Survival rate	50%	0% as desert area	
8h	Water sprinkling on roads to control airborne dust	To control the air born dust particle, water sprinkling has been proposed	Carried out as per proposal.	

8i General remarks of inspecting officer on aesthetic beauty in and around mines area nil

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	yes within time	yes ,AR submitted on 3/06/24	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sh Radheshyam Paliwal as Mining engineer . Sh Pervez Ahmed Dyer as Geologist	As per proposal	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(i) Already exploited and abandoned by opencast (O-C) mining 4.750 (ii) Covered under current (O-C) Workings 0.482 (iii) Reclaimed-rehabilitated 0.200 (iv) Used for waste disposal 0 (v) Occupied by plant, buildings, residential, welfare buildings and roads 1.530 (vi) Used for any other purpose (specify)Plant ation 1.010 (vii) Work done under progressive mine closure plan during the year 0.610	(i) Already exploited and abandoned by opencast (O-C) mining 4.750 (ii) Covered under current (O-C) Workings 0.482 (iii) Reclaimed-rehabilitated 0.200 (iv) Used for waste disposal 0 (v) Occupied by plant, buildings, residential, welfare buildings and roads 1.530 (vi) Used for any other purpose (specify)Plantation 1.010 (vii) Work done under progressive mine closure plan during the year 0.610	

9d	Scrutiny of Annual return on afforestation	No. of trees palnted 100 during RY Survival rate 70% Total trees 2450	No. of trees palnted 100 during RY Survival rate 50% Total trees 1000
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	340.8 t ,10 % of ROM	as above
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM 3748.8	as above
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex Mine price is 571.71	as above
9h	Scrutiny of Annual return on fixed assets	Given 19 lacs	as above
9k	Scrutiny of Annual return on mining machineries	Given as 190 lacs	As above

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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

**Date :**

(Nishant kumar rao)

Indian Bureau of Mines