

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/JSL-36/SE-22

Mine code : 97RAJ14019

- (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-DEC-24
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : SAJIT(162/13)
- (b) **Registration NO.** : IBM/9009/2012
- (c) **Category** : A Other than Fully Mech.
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : RAJASTHAN
- District : JAISALMER
- Village : Sajit
- Taluka : Fatehgarh
- Post office :
- Pin Code :
- FAX No. :
- E-mail :
- Phone :
- (f) **Police Station** :
- (g) **First opening date** : 09-JAN-17
- (h) **Weekly day of rest** :
2. **Address for correspondance** :
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 : SEEMA MINERALS AND METALS
203-A, MEWAR INDUSTRIAL
AREA, ROAD NO.-11/F, MADRI,
UDAIPUR RAJASTHAN
Phone:
FAX :

6. Date of approval of Mining :
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	NA	
1b	Exploration over lease area for geological axis 1 or 2	Proposed	As per proposal	
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	NA	
1e	Balance reserve as on 01/04/20	Balance R & R on 31/03/2024 is 141076 t	Balance R & R on 31/03/2024 is 141076 t Reserve is 121473 t Resource is 19603 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	As per proposal	As per proposal	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	As per proposal	As per proposal	
2c	Stripping ratio or ore to OB ratio	Only ore is proposed	Only ore is produced during year	
2d	Quantity of topsoil generation in m3	nil	nil	
2e	Quantity of overburden generation in m3	nil	nil	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	nil
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one	one	
3b	Quantity of ROM mineral production proposed	2478 t	1170 t	
3c	Recovery of sailable/usable mineral from ROM production	2230 t	1053 t	
3d	Quantity of mineral reject generation	248 t	117 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	na	na	
3h	Manual / Mechanised method adopted for segregating from ROM	mechanised	mechanised	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	na	na	
3j	Provision of drilling and blasting in mineral benches	na	na	

3k	Provision of mining machineries in mineral benches	JCB	JCB
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes	yes
3m	Total area covered under excavation/pits	0.65 HA	0.35 HA
3n	Ore to OB ratio for the pit/mine during the year.	1:2.28	1:2.28
3o	Total area put in use under different heads at the end of year	0.50	0.35
3p	Production of ROM mineral during the last five year period as applicable	2019-20:15062.70 2020-21:15115.80 2021-22: 2301 2022-23: 2199 2023-24: 2230	2019-20: 000 2020-21:1512 2021-22: 197 2022-23:124 2023-24:1053
3q	General remarks of inspecting officers on method of mining etc.		Nil

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	Yes	
4b	Location of topsoil, OB and mineral reject dumps	N 2924682-N 2924740 E 708328-E 708351	N 2924682-N 2924740 E 708328-E 708351	
4c	Number of dumps within lease area and outside of lease area	NA	NA	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA,waste generated is immeidately send to backfilling	
4e	Number of active and alive dumps.	na	na	
4f	Number of dead dumps.	na	na	
4g	Number of dumps established.	na	na	
4h	Whether Retaining wall or garland drain all along dumps are there.	na	na	
4i	Length of Retaining wall or garland drain all along dumps	na	na	
4j	Number of settling ponds	na	na	
4k	Specific comments of inspecting officer on waste dump management			waste is being used in backfilling after removing the ore

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.	780 sq mtr	780 sq mtr	
5b	Area under backfilling of mined out area	0.0975 ha	0.02 ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	yes proposed	as per proposal	
5d	Total area fully reclaimed and rehabilitated	0.0975	0.02 ha	

5e	General remarks of inspecting officers on backfilling and reclamation etc.	deviation pointed out to lessee
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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) .	0.0975	0.02	
6c	afforestation done (ha).	0.0975	0.02	
6d	No. of saplings planted during the year	50	50	
6e	Cumulative no .of plants	150	110	
6f	Any other method of rehabilitation	na	na	
6g	Cost incurred on watch and care during the year	50000	50000	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	0.50	0.35	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	0.2635	0.2	

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	50 plant in 0.02 ha	as proposed	
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 proposed	as per proposal	
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
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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.	No specific proposal of grade wise sorting	No specific proposal of grade wise sorting	
7d	Any beneficiation process at mines	na	na	
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 proposal is given as area contain top soil around 1250 cub mtr soil is proposed	no top soil generated	
8b	Concurrent use or storage of topsoil	On backfilled area	On backfilled area	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed for backfilling simultaneously	backfilled	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	propesd for back filling	backfilling going on	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	yes proposed	going on	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	50 propped during year and in total 150 plant	as per proposal	
8g	Survival rate	80 %	70 %	
8h	Water sprinkling on roads to control airborne dust	yes proposed	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	Submitted within time AR submitted on 3/06/2024		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining engineer and geologist appointed	Sh Radheshyam Paliwal Mining engineer & shri Parvez Dayar geologist appointed	

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 : 0.350 ha. (ii) Covered under current (O-C) Workings : 0.122 ha (iii) Reclaimed -rehabilitated : 0.122 ha (iv) Used for waste disposal 0.000 (v) Occupied by plant, buildings, residential, welfare buildings and roads : 0.005 Ha (vi) Used for any other purpose (specify) Plantation 0.122 (vi) Work done under progressive mine closure plan during the year: 0.122	As above
9d	Scrutiny of Annual return on afforestation	50 no. of plantation done during RY with 60% survival rate in total 150 plant	as above
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	117 t mineral reject generated	found ok within 10 % as proposed in Mine plan
9f	Scrutiny of Annual return on ROM stock and/or graded ore	1953.310 t is closing stock	ok

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine price is rs 550.22 and as material was sent to his own firm at udaipur so sale price is same as above	as above
9h	Scrutiny of Annual return on fixed assets	Given as zero as no fixed asset was at site	found ok
9k	Scrutiny of Annual return on mining machineries	Given as rs 1900000 for machines	found ok

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