

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPMENT 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 : **P022** ) **PANKAJ KULSHRESTHA**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Radheyshyam Paliwal, Mining Engineer  
Official with  
Designation
- (iv) Date of Inspection : 20/07/2023
- (v) Prev.inspection date : 10/02/2021

**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 : Fatehgarh
- Pin Code : 345027
- FAX No. : 0294-2490538
- E-mail : seemamineral@hotmail.com
- Phone : 0294-2490538
- (f) Police Station : Fatehgarh
- (g) First opening date : 17/06/2020
- (h) Weekly day of rest : SUN
2. Address for : M/s Seema Minerals & Metals  
correspondance : 203-A,Road No. 11-F,Mewar Industrial Area  
Madri, Udaipur-313 003
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 :

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

## Mining Engineer

Name : Sri Radheshyam Paliwal, Full Time  
Qualification : BE Mining  
Appointment/ : 01/10/2020  
Termination date

6. Date of approval of Mining : MP review under 17(1) MCR 2016 16/03/2021  
Plan/Scheme of Mining

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration proposed during the year	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No exploration proposed during the year	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No specific proposal given.	Currently 2.23 hect. area has been explored under G1 level by way of 01 trail pit & 03 working pits developed.	
1e	Balance reserve as on 01/04/20	Not specified	The position of reserve as on 01.02.2022 (as per approved review of mining plan, approved on 16.03.2021) 111-71048 tonnes, 122-52719 tonnes,	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In the approved mining plan it was proposed that mine development will be started from near Boundary Pillar C form I year of mining plan period.	Currently mining operation was observed in Central Western Part of the lease area.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes proposal given	As per proposal	

2c	Stripping ratio or ore to OB ratio	2022-23 : 1:1.42	Nil
2d	Quantity of topsoil generation in m3	1575 cum	Nil
2e	Quantity of overburden generation in m3	13125 cum	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NA	The present status of development of pit w.r.t. type of deposit may be considered as satisfactory.

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One Pit	One Pit	
3b	Quantity of ROM mineral production proposed		124 Tonnes during the year 2022-23.	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	No proposal of mineral reject generation.	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Not applicable.	
3f	Quantity of sub grade mineral generation.	No proposal	Not applicable.	
3g	Grade of sub grade mineral generation	No proposal	Not applicable.	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	Not applicable	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Not applicable
3j	Provision of drilling and blasting in mineral benches	No proposal	Not applicable
3k	Provision of mining machineries in mineral benches	Yes	As per proposal
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes, as per proposal
3m	Total area covered under excavation/pits	At the end of mining plan period i.e. year 2022-23 total area put to use under mining- 2.828 hect.	Already exploited and abandoned by opencast (O-C) mining : 0.35 ha Covered under current (O-C) Workings : 0.122 ha
3n	Ore to OB ratio for the pit/mine during the year.	1:2.4	1:2.4
3o	Total area put in use under different heads at the end of year	Covered under current (O-C) Workings : 0.122 ha Reclaimed-rehabilitated : 0.122 ha Occupied by roads : 0.005 ha Area under Plantation : 0.122 ha	Covered under current (O-C) Workings : 0.122 ha Reclaimed-rehabilitated : 0.122 ha Occupied by roads : 0.005 ha Area under Plantation : 0.122 ha
3p	Production of ROM mineral during the last five year period as applicable	2018-19: 15037.92 T 2019-20: 15062.70 T 2020-21 :15115.80 T 2021-22 : 2301 T 2022-23 : 2443 T	2018-19: Nil 2019-20: Nil 2020-21 :1512 2021-22 : 218.89 2022-23 : 124 T

3q	General remarks of inspecting officers on method of mining etc.	NA	The present status of method of mining may be considered as satisfactory.
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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)	No proposal of topsoil stacking & OB was given. It was proposed that OB will be used for backfilling in mined out area & top soil will be spread over backfilled area.	Currently mining was started at very small scale. The Top soil & OB dumped temporely near the working pit mouth.	
4b	Location of topsoil, OB and mineral reject dumps	No proposal of dumps, simulataneouse ly backfilling propsed.	Currently mining was started at very small scale. The Top soil & OB dumped temporely near the working pit mouth.	
4c	Number of dumps within lease area and outside of lease area	No proposal	Currently mining was started at very small scale. The Top soil & OB dumped temporely near the working pit mouth.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	Currently within UPL, after some time it will be used for backfilling.	
4e	Number of active and alive dumps.	No proposal	One	
4f	Number of dead dumps.	No proposal	Nil	
4g	Number of dumps established.	No proposal	Not applicable	
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	Not applicable	
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Not applicable	

4j	Number of settling ponds	No proposal	Not applicable
4k	Specific comments of inspecting officer on waste dump management	NA	The present status may be considered as satisfactory.

#### 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	As per proposal	
5b	Area under backfilling of mined out area	Total 0.33 hect. area will be backfilled.	No backfilling has been carried out.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Yes proposal given	None during the year 2022-23.	
5d	Total area fully reclaimed and rehabilitated	Total 0.33 hect area will be reclaimed by way of backfilling.	Nil during the year	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NA	Due to very small extent of working, present status may be considered as satisfactory.	

#### 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 shall be submitted up to 1st July for the previous financial year.	Yes as per rule	

6b	Area available for rehabilitation (ha) .	0.115 hect. area	Not reported
6c	afforestation done (ha).	0.115 hect. area	0.122 hect. area
6d	No. of saplings planted during the year	50 WML during the year	50 within the lease area during the year 2022-23.
6e	Cumulative no .of plants	200 Nos.	100 Nos.
6f	Any other method of rehabilitation	Nil	None
6g	Cost incurred on watch and care during the year	Rs. 25000/-	As above
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	0.33 hect. area backfilling proposed .	None
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	0.33 hect. area backfilling proposed .	None
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	0.33 hect. area backfilling proposed .	None
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No such proposal	Not applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No such proposal	Not applicable



6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NA	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	Not applicable
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No such proposal	Not applicable
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes, as per rule	Being carried out.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NA	The present status of PMCP compliance and progressive closure operations may be considered as satisfactory.

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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	All ROM mineral will be dispatched	Production : 124 T Despatch from mine head 418.51 T No grading	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No sorting proposal	None	
7c	Different grade of mineral sorted out at mines.	NA	None	
7d	Any beneficiation process at mines .	No proposal	None	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NA	The present status of Mineral Conservation and beneficiation issues may be considered as satisfactory.
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## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes proposal given	No top soil generated during the year	
8b	Concurrent use or storage of topsoil	For spread over backfilled area.	None during the year	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal of dumps, simulataneouse ly backfilling propsed.	Currently mining was started at very small scale. The Top soil & OB dumped temporely near the working pit mouth.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	None	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	total 0.33 hect. area backfilling proposed.	None during the year	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Plantation 50 Nos	Planted 50 saplings within the lease area during the year 2022-23.	
8g	Survival rate	60%	60%	

8h	Water sprinkling on roads to control airborne dust	Proposed	Observed during the inspection.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NA	The present status of aesthetic beauty in and around mines area may be considered as satisfactory.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes	Yes AR submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager : None Mining Engineer in charge: Shri Radhey Shyam Paliwal Geologist : None	As above	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Already exploited and abandoned by opencast (O-C) mining : 0.35 ha Covered under current (O-C) Workings : 0.122 ha Reclaimed-rehabilitated : 0.122 ha Used for Plantation : 0.122 ha Occupied by plant, buildings, residential, welfare buildings and roads : 0.005 ha	As above	

9d	Scrutiny of Annual return on afforestation	Number of trees planted during the year : 50 Nos.	Total 50 trees planted during the year 2022-23.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No reject generation	No reject generation observed .
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Total ROM production reported as 124 t during the year.	Total 124 t ROM produced during the year with despatch of 418.510 t .Closing stock reported as 1273.740 t .
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex- mine price reported as Rs. 671.75.	Ex- mine price reported as Rs. 671.75 and cost of production reported as Rs.526.00.
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets at the beginning of the year reported as Rs. 2738620 with depreciation of Rs. 411051 during the year estimated market value reported as Rs. 2100000	The above information seems to be correct.
9k	Scrutiny of Annual return on mining machineries	OTHERS (NON-ELEC.) : One TIPPER : 3 Nos.	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
MCDR17	Rule 11(1)	29/01/2024	12/04/2024			
MCDR17	Rule 55(1)(3)	29/01/2024	12/04/2024			

**Date :**

**(PANKAJ KULSHRESTHA)**

Indian Bureau of Mines