

**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 : **G021**) **D R GURJAR**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri Dilip Ohja, Owner's Representative
Official with
Designation
- (iv) Date of Inspection : 10-FEB-21
- (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. : 0294-2490538
E-mail : seemamineral@hotmail.com
Phone : 0294-2490538
- (f) Police Station : Fatehgarh
- (g) First opening date : 17-JUN-20
- (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-OCT-20
Termination date

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	No exploration proposed during the year 2018-19. During the First year of mining plan period exploration was proposed by way of 04 trial pits.	1 exploratory pits & 03 working pits developed during the year.	This is the new mine, registered on 09.01.2017, hence year 2016-17 is the first year of the mining plan. Mine was opened on 17.06.2020.
1b	Exploration over lease area for geological axis 1 or 2	No exploration proposed during the year 2018-19. During the First year of mining plan period exploration was proposed by way of 04 trial pits.	1 exploratory pits & 03 working pits developed during the current year i.e. 2020-21.	This is the new mine, registered on 09.01.2017, hence year 2016-17 is the first year of the mining plan. Mine was opened on 17.06.2020.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No specified	1 exploratory pits & 03 working pits developed during the current year i.e. 2020-21 by the lessee. Expenditure- Not reported.	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.	Exploration proposal given for remaining 2.27 hect. area (out of total 4.5 hect. lease area) for G1 level during the year 2021-22 in the recently approved review of mining plan(approved on 16.03.2021).
1e	Balance reserve as on 01/04/20	Not specified	The position of reserve as on 01.02.2021 (as per approved review of mining plan, approved on 16.03.2021) 111-71048 tonnes, 122-52719 tonnes,	Nil

1f	General remarks of inspecting officers on geology, exploration etc	No specific issue observed related to geology & exploration.
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Development :

Sl.No.	Item	Propasals	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 opeartion was observed in Central Western Part of the lease area.	It was proposed that mine development will start near boundary pillar C but during the inspection mine development was observed Central Western part of the lease area, hence violation of Rule 11(1) of MCDR 2017 was issued to the lessee vide letter dated 02.03.2021
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes proposal given	As per proposal	Nil
2c	Stripping ratio or ore to OB ratio	2019-20(Fourth Year) : 1:1.42	Nil	This is the new mine which was regeistered on 09.01.2017, hence year 2016-17 is the first year of mining plan period. As per notice of opening submitted by the lesee mine was opened on 17.06.2020.

2d	Quantity of topsoil generation in m3	Year 2019-20: 1575 cum	Year 2019-20: Nil	This is the new mine which was regeistered on 09.01.2017, hence year 2016-17 is the first year of mining plan period. As per notice of opening submitted by the lesee mine was opened on 17.06.2020.
2e	Quantity of overburden generation in m3	Year 2019-20: 13125 cum	Year 2019-20: Nil	This is the new mine which was regeistered on 09.01.2017, hence year 2016-17 is the first year of mining plan period. As per notice of opening submitted by the lesee mine was opened on 17.06.2020.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			It was proposed that mine development will start near boundary pillar C but during the inspection mine development was observed Central Western part of the lease area, hence violation of Rule 11(1) of MCDR 2017 was issued to the lessee vide letter dated 02.03.2021

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	2019-20: 01 pit.	No mining pit was developed during the year 2019-20.	This is the new mine which was registered on 09.01.2017, hence year 2016-17 is the first year of mining plan period. As per notice of opening submitted by the lesee mine was opened on 17.06.2020.
3b	Quantity of ROM mineral production proposed	2019-20: 15115.80 Tonnes,	2019-20: Nil	This is new mine, mining operation was commenced on 17.06.2020.
3c	Recovery of sailable/usable mineral from ROM production	100%	Nil duirng the year 2019-20.	This is new mine, mining operation was commenced on 17.06.2020.
3d	Quantity of mineral reject generation	No proposal of mineral reject generation.	Nil during the year 2019-20.	This is new mine, mining operation was commenced on 17.06.2020.
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Not applicable.	Nil
3f	Quantity of sub grade mineral generation.	No proposal	Not applicable	Nil
3g	Grade of sub grade mineral generation	No proposal	Not applicable	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	Not applicable	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	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	Manual mining observed.	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes as per proposal	Nil
3m	Total area covered under excavation/pits	At the end of mining plan period i.e. year 2021-22 total area put to use under mining- 2.828 hect.	At the end of year 2019-20, no area put to use.	This is new mine, mining operation was commenced on 17.06.2020. Currently approximately 0.156 hect area covered under mining during the current year up to Jan 2021.)
3p	Production of ROM mineral during the last five year period as applicable	Mining lease was executed on 05.01.2017 & registered on 09.01.2017, hence year 2016-17 is the first year of approved mining plan. 2016-17:15037.92T, 2017-18: 15037.92T, 2018-19:15062.70T, 2019-20: 15115.80T, 2020-21: 15115.80 T	2016-17:Nil, 2017-18: Nil, 2018-19:Nil 2019-20: Nil 2020-21: 1292T(Up to Jan 2021)	Note: Mining lease was executed on 05.01.2017 & registered on 09.01.2017, hence year 2016-17 is the first year of approved mining plan.
3q	General remarks of inspecting officers on method of mining etc.			Open cast mining method proposed & open cast mining method adopted which is suited to the type of deposit.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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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.	During the last year 2019-20, no mining operation commenced. Currently mining was started at very small scale. The Top soil & OB dumped temporely near the working pit mouth.	This is new mine, mining operation was commenced on 17.06.2020.
4b	Location of topsoil, OB and mineral reject dumps	No proposal of dumps, simulataneouse ly backfilling propsed.	During the last year 2019-20, no mining operation commenced. Currently mining was started at very small scale. The Top soil & OB dumped temporely near the working pit mouth.	This is new mine, mining operation was commenced on 17.06.2020.
4c	Number of dumps within lease area and outside of lease area	No proposal	During the last year 2019-20, no mining operation commenced. Currently mining was started at very small scale. The Top soil & OB dumped temporely near the working pit mouth.	Nil
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.	Nil
4e	Number of active and alive dumps.	No proposal	01	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	None	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	Currently OB was dumped temporarily near the working pit, which will be use for backfilling after extraction of mineral.
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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.	Full extraction of mineral	As per proposal	Nil
5b	Area under backfilling of mined out area	During the year 2019-20 total 0.33 hect. area will be backfilled.	During the year 2019-20, no backfilling has been carried out.	Mining operation was commenced on 17.06.2020, up to Jan 2021 total 0.0145 hect. area backfilled.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Yes proposal given	None during the year 2019-20.	Mining operation was commenced on 17.06.2020.
5d	Total area fully reclaimed and rehabilitated	During the year 2019-20 total 0.33 hect area will be reclaimed by way of backfilling.	Nil during the year 2019-20.	Mining operation was commenced on 17.06.2020.
5e	General remarks of inspecting officers on backfilling and reclamation etc.			This is the new mine, no issue observed related to backfilling & reclamation.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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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.	PMCP report for the year 2019-20 has not been submitted.	Violation of Rule 26(2) of MCDR 2017 issued vide letter dated 02.03.2021 for non submission of PMCP report for the year 2019-20.
6b	Area available for rehabilitation (ha) .	Year 2019-20: 0.115 hect. area	Not reported	This is new mine, mining operation commenced on 17.06.2020. However Violation of Rule 26(2) of MCDR 2017 issued vide letter dated 02.03.2021 for non submission of PMCP report for the year 2019-20.
6c	afforestation done (ha).	Year 2019-20: 0.115 hect. area	Not reported	This is new mine, mining operation commenced on 17.06.2020. However Violation of Rule 26(2) of MCDR 2017 issued vide letter dated 02.03.2021 for non submission of PMCP report for the year 2019-20.
6d	No. of saplings planted during the year	Up to year 2019-20: 240 nos.	Not reported	Violation of Rule 26(2) of MCDR 2017 issued vide letter dated 02.03.2021 for non submission of PMCP report for the year 2019-20.
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 issued vide letter dated 02.03.2021 for non submission of PMCP report for the year 2019-20.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	0.33 hect. area backfilling proposed during the year 2019-20.	None	Mining operation commenced on 17.06.2020.

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	0.33 hect. area backfilling proposed during the year 2019-20.	None	Mining operation commenced on 17.06.2020.
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposal	None	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Not applicable	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	0.115 hect area during the year 2019-20.	Not reported	Violation of Rule 26(2) of MCDR 2017 issued vide letter dated 02.03.2021 for non submission of PMCP report for the year 2019-20.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	0.115 hect.	Not reported	Violation of Rule 26(2) of MCDR 2017 issued vide letter dated 02.03.2021 for non submission of PMCP report for the year 2019-20.
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Plantation	Plantation	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed	Being carried out.	Nil

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			This is new mine, mining operation commenced on 17.06.2020. However Violation of Rule 26(2) of MCDR 2017 issued vide letter dated 02.03.2021 for non submission of PMCP report for the year 2019-20.
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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	No mineral was dispatched during the last year 2019-20.	This is ne mine, mining operation start on 17.06.2020.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No sorting proposal	None during the year 2019-20.	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			This is the new mine, no issue observed related to mineral conservation.

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 2019-20.	Mining operation commenced on 20.06.2020.

8b	Concurrent use or storage of topsoil	For spread over backfilled area.	None during the last year 2019-20.	Mining operation commenced on 20.06.2020.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal of dumps, simulataneouse ly backfilling prosed.	During the last year 2019-20, no mining operation commenced. Currently mining was started at very small scale. The Top soil & OB dumped temporely near the working pit mouth.	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	None	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	During the year 2019-20 total 0.33 hect. area backfilling proposed.	None during the year 2019-20.	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	60 nos. sapling proposed during the year 2019-20.	Not reported	Violation of Rule 26(2) of MCDR 2017 issued vide letter dated 02.03.2021 for non submission of PMCP report for the year 2019-20.
8g	Survival rate	Not specified	Not reported	Violation of Rule 26(2) of MCDR 2017 issued vide letter dated 02.03.2021 for non submission of PMCP report for the year 2019-20.
8h	Water sprinkling on roads to control airborne dust	Proposed	Observed during the inspection.	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	As per MCDR 2017 monthly & Annual retrun is to be submitted.	Annual retrun for the year 2019-20 has not been submitted. Monthly returns for the month of April 2020 & May 2020 not submitted.	Violation of Rule 45(5)(b) & 45(5)(c) of MCDR 2017 issued for non submission of monthly returns & AR 2019-20 vide letter dated 02.03.2021.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Annual return for the year 2019-20 not submitted.	Mining operation commenced on 17.06.2020	However violation of Rule 45(5)(c) of MCDR 2017 issued for non submission of AR for the year 2019-20.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Annual return for the year 2019-20 not submitted.	Mining operation commenced on 17.06.2020	However violation of Rule 45(5)(c) of MCDR 2017 issued for non submission of AR for the year 2019-20.
9d	Scrutiny of Annual return on afforestation	Annual return for the year 2019-20 not submitted.	Mining operation commenced on 17.06.2020	However violation of Rule 45(5)(c) of MCDR 2017 issued for non submission of AR for the year 2019-20.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Annual return for the year 2019-20 not submitted.	Mining operation commenced on 17.06.2020	However violation of Rule 45(5)(c) of MCDR 2017 issued for non submission of AR for the year 2019-20.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Annual return for the year 2019-20 not submitted.	Mining operation commenced on 17.06.2020	However violation of Rule 45(5)(c) of MCDR 2017 issued for non submission of AR for the year 2019-20.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Annual return for the year 2019-20 not submitted.	Mining operation commenced on 17.06.2020	However violation of Rule 45(5)(c) of MCDR 2017 issued for non submission of AR for the year 2019-20.

9h	Scrutiny of Annual return on fixed assets	Annual return for the year 2019-20 not submitted.	Mining operation commenced on 17.06.2020	However violation of Rule 45(5)(c) of MCDR 2017 issued for non submission of AR for the year 2019-20.
9k	Scrutiny of Annual return on mining machineries	Annual return for the year 2019-20 not submitted.	Mining operation commenced on 17.06.2020	However violation of Rule 45(5)(c) of MCDR 2017 issued for non submission of AR for the year 2019-20.

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)	02-MAR-21			
MCDR17	Rule 26(2)	02-MAR-21			
MCDR17	Rule 45(5)(k	02-MAR-21			
MCDR17	Rule 45(5)(c	02-MAR-21			

Date :

(D R GURJAR)

Indian Bureau of Mines