

**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 : **G021**) **D R GURJAR**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri Radheshyam Paliwal, Mining Engineer
Official with
Designation
- (iv) Date of Inspection : 09-FEB-21
- (v) Prev.inspection date : 09-JAN-20

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 : 203-A, Mewar Industrial Area
correspondance Road no. 11/F, Madri
PO Udaipur
3. (a) Lease Number : RAJ5162
- (b) Lease area : 48.7
- (c) Period of lease : 30
- (d) Date of Expiry : 22-DEC-31
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 :

Agent : Sri Mahendra Kumar Chittora
 Kapuria Siliceous Earth
 Mine, Taluka: Faithgarh,
 District: Jaislamer
 JAISALMER RAJASTHAN
 Phone:
 FAX : 9414156880

Mining Engineer

Name : Sri Radheshyam Paliwal, Full Time
 Qualification : BE Mining
 Appointment/ : 26-JUN-18
 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	During the previous year 2018-19, two exploratory pit namely PTP-9 and PTP 10 has been proposed.	No exploitation work has been carried out during the year 2018-19.	Violation issued by the previous inspecting officer for exploration vide letters dated 17.02.2020 & 28.05.2020. Exploratory work has been carried out during the year 2020-21.
1b	Exploration over lease area for geological axis 1 or 2	During the previous year 2019-20, no proposal of exploration.	During the year 2019-20, no exploratory work has been carried out.	Violation issued by the previous inspecting officer for exploration. Exploratory work has been carried out during the year 2020-21.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No specific proposal of exploratory agency and expenditure.	Not reported, as exploration has not been carried out during the year 2019-20.	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	During the year 2019-20, no specific proposal given.	No exploratory work has been carried out during the year 2019-20.	Current inspection has also been carried out for modification of mining plan, As per recent approved modified plan(approved on 19.03.2021), exploration proposal given during the year 2021-22 to upgrde 20.95 hect. area from G2/G3 level to G1 level.
1e	Balance reserve as on 01/04/20	No specific proposal given	As per recent approved Modified Mining Plan the position of reserve as on 01.01.2021, 111-276309 tons, 122-137186 tons	Nil

1f	General remarks of inspecting officers on geology, exploration etc	No specific issue observed related to geology & exploration. As per MCDR 2017 proposal for exploration of entire minrealised area for G1 level has been incorporated in recent approved modified mining plan.
----	--	---

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	During the year 2019-20, mine development was proposed in Pit No. 3	Development has been carried out within approved proposal.	However mining operation are temporary discontinued from 24.06.2019 to 23.06.2020 due to lack of demand of siliceous earth mineral.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal of top soil generation. Separate benches have been proposed in overburden and mineral.	Top soil has not been generated. Separate benches have been developed in OB and Mineral.	Nil
2c	Stripping ratio or ore to OB ratio	1:0.66 T/T	Nil	Mine was not working during the year 2019-20.
2d	Quantity of topsoil generation in m3	No proposal of top soil generation.	No top soil has been generated.	Nil
2e	Quantity of overburden generation in m3	2019-20: 16703 tonnes,	No OB generation reported during the year.	Mine was not working during the year 2019-20.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Development has been proposed through opencast method of mining & Opencast method of mining is being in practiced.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One.	One.	Nil
3b	Quantity of ROM mineral production proposed	2019-20: 25350.83 tonnes,	2019-20: 0 tonnes,	Mine was not working during the year 2019-20.
3c	Recovery of sailable/usable mineral from ROM production	100% Recovery.	Mine was not working during the RY 2019-20.	Nil
3d	Quantity of mineral reject generation	No proposal.	Not applicable as no proposal.	NIL.
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable as no proposal of mineral reject generation.	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	Manual method of segregation.	Manual method has been adopted.	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal of beneficiation study.	Not applicable as no proposal.	NIL.
3j	Provision of drilling and blasting in mineral benches	No proposal of drilling and blasting.	Not applicable as no proposal.	NIL.
3k	Provision of mining machineries in mineral benches	Excavator, Tractor-Trolley, Water tanker etc.	Excavator, Tractor-Trolley, Water tanker etc.	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height has been proposed to 6 mts.	Height of the benches has been maintained as per proposal.	Nil

3m	Total area covered under excavation/pits	An area of 7.69 Ha has been proposed under mining at the end of the plan period i.e. 2021-22	As reported an area around 5.516 ha. has been utilized under excavation/pit as on 01/04/2020.	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.66 T/T	Nil	No production reported during the year 2019-20.
3o	Total area put in use under different heads at the end of year	As per approved document dated 19.03.2021, an area of 10.786 Ha has been proposed to put in use at the end of the plan period i.e. 2021-22.	As reported an area of 8.586 ha. has been put under different heads.	Nil
3p	Production of ROM mineral during the last five year period as applicable	2015-16: 25495 2016-17: 25539 2017-18: 25495 2018-19: 25441 2019-20: 25351 2020-21: 25421	2015-16: 3231 2016-17: 5925 2017-18: 8390 2018-19: 5405 2019-20: 0 2020-21: 60 (up to 31 Dec 2020)	All figures are in tonnes.
3q	General remarks of inspecting officers on method of mining etc.			Opencast method of the mining has been proposed & Opencast method of mining has been practiced.

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 top soil and Mineral reject generation. Waste has been proposed to backfilled in mine out pit.	No top soil and mineral reject has been generated. No waste generation reported during the year 2019-20.	Mine was not working during the year 2019-20.
4b	Location of topsoil, OB and mineral reject dumps	No proposal of top soil and mineral reject generation. Waste has been proposed to backfilled in mine out pit.	No top soil and mineral reject has been generated. No waste generation reported during the year 2019-20.	Nil

4c	Number of dumps within lease area and outside of lease area	No proposal of dumps, all the waste will be simultaneously used for backfilling in mined out pits.	As per proposal	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal of waste dumping during the reporting year.	No waste was generated during the RY 2019-20.	Nil
4e	Number of active and alive dumps.	No proposal of active and alive dumping.	Not applicable as no proposal.	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 of Retaining wall and Garland drain during the reporting year.	Not applicable	Nil
4i	Length of Retaining wall or garland drain all along dumps	No proposal of Retaining wall and Garland drain during the reporting year.	Not applicable as no proposal.	NIL.
4j	Number of settling ponds	No proposal of construction of settling pond.	Not applicable as no proposal.	Nil
4k	Specific comments of inspecting officer on waste dump management			No issues related to waste dumping. Generated waste has been proposed to backfill in mine out pit area & Waste has been backfilled in mine out area.

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.	Backfilling was proposed after full extraction of mineral.	As per proposal	Nil
5b	Area under backfilling of mined out area	During the year 2019-20 total 0.60 hect. area will be backfilled.	No backfilling has been reported during the year 20149-20.	Mine was not working during the year 2019-20.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal of top soil generation.	Not applicable as no proposal.	Nil
5d	Total area fully reclaimed and rehabilitated	An area of 0.60 Ha has been proposed to reclaim during the reporting year.	None during the year	Mine was not working during the year 2019-20.
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No issues related to backfilling. Proposal of backfilling has been envisaged after full extraction of mineral & Generated waste has been backfilled in the mine out area.

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).	As per rule 26(2) of MCDR, 2017 holder of mining lease shall submit PMCP before 1st day of July every year.	PMCP report of the year 2019-20 has not been submitted.	Violation of Rule 26(2) of MCDR issued vide letter dated 02.03.2021 for nonsubmission of PMCP report for the year 2019-20.

6b	Area available for rehabilitation (ha) .	An area of 0.88 Ha has been proposed to rehabilitate during the reporting year.	Not reported	Violation of Rule 26(2) of MCDR issued vide letter dated 02.03.2021 for nonsubmission of PMCP report for the year 2019-20.
6c	afforestation done (ha).	0.88 hect. area	Not reported.	During the year 2019-20 total 400 sapling was proposed over an area 0.88 hect. but no such plantation was observed, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 02.03.2021.
6d	No. of saplings planted during the year	400 nos.	100 nos as reoported in AR 2019-20.	During the year 2019-20 total 400 sapling was proposed over an area 0.88 hect. but no such plantation was observed, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 02.03.2021.
6e	Cumulative no .of plants	No specific proposal given in this regard.	Not reported.	Violation of Rule 26(2) of MCDR issued vide letter dated 02.03.2021 for nonsubmission of PMCP report for the year 2019-20.
6f	Any other method of rehabilitation	Other than plantation, no any other method of rehabilitation .	Not applicable as no proposal.	NIL.
6g	Cost incurred on watch and care during the year	No specific proposal for cost of watch and care.	Not reported	Violation of Rule 26(2) of MCDR issued vide letter dated 02.03.2021 for nonsubmission 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	No specific proposal of voids available for backfilling has been given.	No backfilling has been reported during the year 2019-20.	Mine was not working during the year 2019-20.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	An area of 0.60 Ha has been proposed to backfill.	No backfilling has been reported during the year 2019-20.	Mine was not working during the year 2019-20.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No proposal of afforestation on backfilled area.	Not applicable as no proposal of afforestation on backfilled area.	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal of making water reservoir.	Not applicable as no proposal of making water reservoir.	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No any other specific proposal.	Not applicable as no proposal.	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	400 numbers of the saplings has been proposed to plant during the year 2019-20.	100 nos as reoported in AR 2019-20.	During the year 2019-20 total 400 sapling was proposed over an area 0.88 hect. but no such plantation was observed, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 02.03.2021.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	An area of 0.88 Ha has been proposed to rehabilitate.	Not reported	Violation of Rule 26(2) of MCDR issued vide letter dated 02.03.2021 for nonsubmission 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)	Regular monitoring of environment parameters.	Monitoring has been carried out for the reporting year.	NIL.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			(1). Violation of Rule 26(2) of MCDR issued vide letter dated 02.03.2021 for nonsubmission of PMCP report for the year 2019-20. (2).During the year 2019-20 total 400 sapling was proposed over an area 0.88 hect. but no such plantation was observed, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 02.03.2021.

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.	No grade-wise sorting.	Entire ROM was dispatchable.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual.	Not applicable as no sorting.	NIL.
7c	Different grade of mineral sorted out at mines.	No specific proposal of grade wise sorting.	Not applicable as no proposal.	Nil
7d	Any beneficiation process at mines	No beneficiation process.	Not applicable as no beneficiation process.	Nil

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No issued related to Mineral conservation.
----	--	--

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal of top soil generation during the year 2019-20.	Not applicable as no proposal of top soil generation.	Nil
8b	Concurrent use or storage of topsoil	Not applicable as no proposal of top soil generation.	Not applicable.	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Waste has been proposed to backfill and no proposal of reject and fines generation.	Generated waste has been backfilled. No generation of reject and fines.	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	An area of 0.60 Ha has been proposed to backfill.	No backfilling has been reported during the year 2019-20.	Mine was not working during the year 2019-20.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	An area of 0.60 Ha has been proposed to reclaim.	None during the RY 2019-20.	Mine was not working during the year 2019-20.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Planation over 0.88 ha with 400 numbers of saplings has been proposed.	100 nos. sapling reported in AR. 2019-20. Area not reported.	Violation of Rule 26(2) of MCDR issued vide letter dated 02.03.2021 for nonsubmission of PMCP report for the year 2019-20.
8g	Survival rate	No proposal.	60%.	As per AR 2019-20.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	As per rule 45 of MCDR, monthly and annual returns to be submitted.	Monthly and annual returns have been submitted for reporting year.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details given	Found correct.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details given	Seems to be correct.	Nil
9d	Scrutiny of Annual return on afforestation	Plantation: 100 numbers within lease area.	Less than the proposal	During the year 2019-20 total 400 sapling was proposed over an area 0.88 hect. but no such plantation was observed, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 02.03.2021.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No reject reported	Found correct.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing stock of 16476.841 tonnes siliceous earth was reported in AR 2019-20.	Seems to be correct.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine price Rs 650	Seems to be correct.	Nil
9h	Scrutiny of Annual return on fixed assets	Details given	Seems to be correct.	Nil
9k	Scrutiny of Annual return on mining machineries	Details given	Seems to be correct.	Nil

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show cause 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 35(2)	02-MAR-21			

Date :

(D R GURJAR)

Indian Bureau of Mines