

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/.JSL-34/SE-20

Mine code : 97RAJ14018

- (i) Name of the Inspecting : **G021**) **D R GURJAR**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri Ramswaroop Meghwal, Owner
Official with
Designation
- (iv) Date of Inspection : 12-FEB-21
- (v) Prev.inspection date : 05-MAR-20

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SAJIT(161/2013)**
- (b) **Registration NO.** : **IBM/19004/2014**
- (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. : 9461105290
- E-mail : ramswaroop1978m@gmail.com
- Phone : 9461105290
- (f) Police Station : Fatehgarh
- (g) First opening date : 09-JAN-17
- (h) Weekly day of rest : SUN
2. Address for : 359, Gotan
correspondance Tehsil Merta, District-Nagaour
Pin 341510
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 : RAM SWAROOP MEGHWAL
359, GOTAN, TEHSIL MERTA
NAGOUR 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	No proposal during the year 2018-19.	Not applicable	Nil
1b	Exploration over lease area for geological axis 1 or 2	No proposal during the year 2019-20. During the first year of approved mining plan i.e. during the year 2016-17, exploration was proposed by digging 03 trial pits.	Three trail pit were made during the current year 2020-21.	During the previous inspection violation of Rule 11(1) of MCDR 2017 issued vide this office letter dated 28.04.2020. In compliance of violation letter three trail pit were dug.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No such proposal given in approved mining plan.	During the year 2019-20: Nil Yera 2020-21: Exploration Agency- Lessee Self Expenditure- Rs. 60000	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	No such proposal given for the year 2019-20	No work in the year 2019-20. Three trail pit were made during the current year 2020-21.	As per recently approved review of mining plan (approved on 24.03.2021) out of total lease area 4.363 hect. area under G1 level- 4.071 hect, G2 level-0.2916 hect. To upgrade from G2 level into G1 level proposal of exploration given during the year 2021-22.
1e	Balance reserve as on 01/04/20	No such proposal given.	As per approved RMP (Approved on 24.03.2021) The position of Reserve as on 01.03.2021: 111:130842 tonnes, 122: 5796 tonnes.	Nil
1f	General remarks of inspecting officers on geology, exploration etc			No specific issue observed related to geology & exploration.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	During the year 2019-20 (IV year) mine development was proposed in the central part of the lease area.	As per proposal	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No top soil bench proposed, benches proposed in OB & minerals.	Benches developed in OB & Mineral.	Nil
2c	Stripping ratio or ore to OB ratio	1:0.33(2019-20)	1:0(201920)	During the year 2019-20, no OB generated & ROM production is also very less compare to proposal.
2d	Quantity of topsoil generation in m3	2019-20: No top soil proposal	Not generated.	Nil
2e	Quantity of overburden generation in m3	During the IV year i.e. 2019-20, total 3000 cubic meter OB generation proposed.	No OB generation reported during the year.	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			No issuse observed related to mine development.

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: 9000 T	2019-20: 1500 T	Nil
3c	Recovery of sailable/usable mineral from ROM production	90%	Approximately 97% during the year 2019-20.	Nil
3d	Quantity of mineral reject generation	900 tonnes	50 tonnes	Nil

3e	Grade of mineral rejects generation and threshold value declared.	The siliceous earth having more iron content will be considered as mineral reject.	As per proposal	Nil
3f	Quantity of sub grade mineral generation.	No subgrade mineral generation proposed.	None	Nil
3g	Grade of sub grade mineral generation	No subgrade mineral generation proposal	Not applicable	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No such proposal given	None	Nil
3j	Provision of drilling and blasting in mineral benches	No proposal of drilling & blasting	No drilling & blasting was observed.	Nil
3k	Provision of mining machineries in mineral benches	Excavator & trucks	As per proposals.	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	As per proposal	Nil
3m	Total area covered under excavation/pits	At the end of year 2019-20 total area under mining will be covered 1.642 hect.	As per recent approved RMP(Approved on 23.03.2021) the area under mining is 0.3280 hect.	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:0.33(2019-20)	1:0(201920)	During the year 2019-20, no OB generated & ROM production is also very less compare to proposal.

3o	Total area put in use under different heads at the end of year	At the end of mining plan period i.e. 2020-21, total 1.9312 hect. area will be covered under different heads.	Approximately 1.56 hect. area have been covered under mining & mineral storage.	Nil
3p	Production of ROM mineral during the last five year period as applicable	I Year 2016-17- 8910 T, II Year 2017-18- 8910 T, III Year 2018-19- 9240 T, IV Year 2019-20 - 9000 T V Year 2020-21 - 13200 T	I Year 2016-17- 0 T, II Year 2017-18- 6804.695 T, III Year 2018-19- 1203 T, IV Year 2019-20 -1500 T, V Year 2020-21 -3800 T(up to Feb 2021)	This is new mine and mining lease was registered on 09.01.2017 hence year 2016-17 has been considered as first year of approved mining plan.
3q	General remarks of inspecting officers on method of mining etc.			Opencast mining method adopted which is best suited to the type of deposit.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No top soil proposal. Separate dumping of mineral reject was proposed & OB is being used for simultaneously back filling.	No top soil generated. Mineral reject not observed. OB-simultaneously used for backfilling.	Nil
4b	Location of topsoil, OB and mineral reject dumps	Topsoil- No proposal, Mineral Reject- Near Boundary pillar D, OB-Will be used simultaneously for backfilling.	Topsoil- Not generated Mineral Reject-Not observed OB-Used simultaneously for backfilling.	Nil
4c	Number of dumps within lease area and outside of lease area	One for screen reject	No dumps was observed, however siliceous mineral was spread nearby working pit to remove moisture content.	siliceous mineral was spread nearby working pit to remove moisture content.

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside of UPL	None	Nil
4e	Number of active and alive dumps.	One	None	Nil
4f	Number of dead dumps.	No proposal	None	Nil
4g	Number of dumps established.	No such proposal given	None	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	No such proposal given	Not applicable	Nil
4i	Length of Retaining wall or garland drain all along dumps	No such proposal given	Not applicable	Nil
4j	Number of settling ponds	No proposal	None	Nil
4k	Specific comments of inspecting officer on waste dump management			No waste dump observed in the lease area, hence no issue related to waste dump management.

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 is proposed in mined out area after sfter full extraction of mineral.	Backfilling is being carried out after full extraction of mineral.	Nil
5b	Area under backfilling of mined out area	It is proposed that approximately 0.3 hect area will be backfilled at the end of year 2019-20.	As per recent approved RMP total 0.18 hect. area has been backfilled.	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No top soil generation proposed.	No top soil was observed.	Nil

5d	Total area fully reclaimed and rehabilitated	It is proposed that at the end of year 2029-20 total 0.3 hect. area will be backfilled.	As per recent approved RMP total 0.18 hect. area has been backfilled.	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Simultaneously backfilling has been carried out.

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.	PMCP report for the year 2019-20 has not been submitted by the lessee.	Violation of Rule 26(2) of MCDR 2017 issued for non submission of PMCP report for the year 2019-20 vide this office letter dated 02.03.2021.
6b	Area available for rehabilitation (ha) .	No such proposal given	None	Nil
6c	afforestation done (ha).	0.075 ha. area.	Not observed.	During the year 2019-20 total 25 saplings was proposed over an area 75 square meter 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	25 nos.	Not observed.	During the year 2019-20 total 25 saplings was proposed over an area 75 square meter 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	At the end of year 2019-20 total sapling proposed 100 nos.	Not reported	Violation of Rule 26(2) of MCDR 2017 issued for non submission of PMCP report for the year 2019-20 vide this office letter dated 02.03.2021.
6f	Any other method of rehabilitation	No proposal	None	Nil
6g	Cost incurred on watch and care during the year	Not specified in the approved mining plan.	Not reported	Violation of Rule 26(2) of MCDR 2017 issued for non submission of PMCP report for the year 2019-20 vide this office letter dated 02.03.2021.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No such proposal given in approved document.	Not reported.	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	It is propsoed that at the end of year 2019-20 total 0.3 hect. area will be backfilled.	As per recent approved RMP total 0.18 hect. area has been backfilled.However PMCP report has not been submitted by the lessee.	Violation of Rule 26(2) of MCDR 2017 issued for non submission of PMCP report for the year 2019-20 vide this office letter dated 02.03.2021.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	No proposal	None	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	None	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	25 nos. sapling planted over an area of 75 sqm.	Not observed.	During the year 2019-20 total 25 saplings was proposed over an area 75 square meter 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)	0.075 ha area	Not observed	During the year 2019-20 total 25 saplings was proposed over an area 75 square meter but no such plantation was observed, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 02.03.2021.
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	Carried out.	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Violation of Rule 26(2) of MCDR 2017 issued for non submission of PMCP report for the year 2019-20 vide this office 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	No proposal of gradewise sorting.	None	Nil

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	None	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			No issue observed 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	No top soil generated.	Nil
8b	Concurrent use or storage of topsoil	No proposal	Not applicable	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump of mineral reject proposed.	No mineral reject observed, only mineral stacking was observed within lease area.	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	It is proposed that OB will simultaneously used for backfilling in mined out area.	As per proposal	Nil

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	It is proposed that OB will simultaneously used for backfilling in mined out area.	As per proposal	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	It is proposed that 25 nos. of sapling will be planted over an area of 75 sqm.	Not observed	During the year 2019-20 total 25 saplings was proposed over an area 75 square meter but no such plantation was observed, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 02.03.2021.
8g	Survival rate	Not specified	40%	As reported in AR 2019-20.
8h	Water sprinkling on roads to control airborne dust	Water sprinkling proposed.	Water sprinkling was observed.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty is satisfactory in and around mine area.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	As per MCDR annual return shall be submitted up to 30 June for the previous year. Monthly retron shall be submitted up to 10th day of each month for the previous month.	Annual retron for the year 2019-20 has been submitted. Monthly return submitted up to Jan 2021	Nil

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details given	Details given	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Detail given	Details are not matching with approved RMP.	In annual return 2019-20 following descripencies were observed: 1)Lease area utilization at the end of year in part I is not matching with approved mining plan, hence violation of Rule 45(7) of MCDR 2017 issued vide letter dated 02.03.2021.
9d	Scrutiny of Annual return on afforestation	Details given	No sapling was observed as per prosal.	During the year 2019-20 total 25 saplings was proposed over an area 75 square meter 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)	Details given	Seems to be correct.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Details given.	Appears to be correct.	Nil
		in AR 2019-20 closing stock of siliceous earth reported- 1308.25 tonnes.		
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine price- Rs 450 per ton	Seems to be correct.	Nil

9h	Scrutiny of Annual return on fixed assets	No details of fixed asset given.	No fixed assets observed.	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 45(7)(a)	02-MAR-21			

Date :

(D R GURJAR)

Indian Bureau of Mines