

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/AJM-415/WOLL-6

Mine code : 63RAJ01006

- (i) Name of the Inspecting : **DJ03**) **DILIP JAIN**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Sh. M M Atre, lessee's representative
Official with
Designation
- (iv) Date of Inspection : 28-NOV-23
- (v) Prev.inspection date : 08-JUL-21

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KOTRA(22/02)**
- (b) **Registration NO.** : **IBM/8565/2012**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : RAJASTHAN
- District : AJMER
- Village : KOTRA
- Taluka : BEAWAR
- Post office : KOTRA
- Pin Code : 305927
- FAX No. : 9414075575
- E-mail : wolcamines@gmail.com
- Phone : 9414075575
- (f) Police Station : Beawar
- (g) First opening date : 17-JUN-08
- (h) Weekly day of rest : SUN
2. Address for : Smt Renu Atre
correspondance : House no 378, Block -C
Malviya Nagar, Jaipur
3. (a) Lease Number : RAJ3799
- (b) Lease area : 19.5
- (c) Period of lease : 30
- (d) Date of Expiry : 29-MAY-39
4. Mineral worked : WOLLASTONITE Main

5. Name and Address of the

Lessee : RENU ATRE
 H.N.378, BLOCK-C MALVIYA
 NAGAR JAIPUR JAIPUR
 RAJASTHAN
 Phone:
 FAX :

Owner : RENU ATRE
 JAIPUR RAJASTHAN
 Phone:
 FAX :

Mining Engineer

Name : Sri Purshottam Goel,Part Time
 Qualification : BE mining
 Appointment/ : 01-APR-20
 Termination date

Geologist

Name : Sri Bharat Singh Shekhawat,Full Time
 Qualification : M.Sc. Geology
 Appointment/ : 01-DEC-22
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	20-SEP-06
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	31-MAR-15
	:	MP review under 17(1) MCR 2016	02-MAY-19

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal of exploration during previous 2021-22.	No exploration during previous year 2021-22.	Nil
1b	Exploration over lease area for geological axis 1 or 2	No proposal of exploration during reporting (RY) year 2022-23.	No exploration during reporting year (RY) 2022-23.	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified.	Not applicable.	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal.	Not applicable.	Nil
1e	Balance reserve as on 01/04/20	The position of reserve and resource as on 01/04/2019 was 370192 and 375960 tons respectively.	The position of reserve and resource as on 01/04/2023 was 360824 and 375960 tons respectively.	Nil
1f	General remarks of inspecting officers on geology, exploration etc	No proposal of exploration.	Not applicable.	Geologically the area belongs to the Delhi Super group of rocks.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Development proposed near boundary pillar A (deposit-I) and middle of lease boundary AB (deposit-III).	Development has been carried out NE direction of the deposit -III.	Violation of rule 11(1) of MCDR, 20177 issued for deviation in development location.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in OB and Mineral.	Benches have been development in mineral.	Violation of rule 11(1) of MCDR, 2017 issued for not maintaining bench height as per proposal.
2c	Stripping ratio or ore to OB ratio	1:0.69 CuM/CuM	1:0.003 CuM/CuM	Violation of rule 11(1) of MCDR, 20177 issued for deviation in stripping ratio.
2d	Quantity of topsoil generation in m3	No proposal.	Not applicable.	Nil
2e	Quantity of overburden generation in m3	3192 CuM or 8299.2 Tons	9 CuM or 23.40 tons. (As per AR 2022-23)	Violation of rule 11(1) of MCDR, 20177 issued for deviation in waste generation.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Opencast method of development has been proposed.	Opencast method of development is being practiced.	Development method proposed is suitable for the type of deposit.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two	One.	Besides main pits few small pits have also observed in the lease area.
3b	Quantity of ROM mineral production proposed	4615 CuM or 11999 Tons.	2952.3 CuM or 7976 Tons.	Less production due to less market demand.
3c	Recovery of sailable/usable mineral from ROM production	4154 CuM or 10800.40 Tons.	2952.3 CuM or 7976 Tons.	Less production due to less market demand.
3d	Quantity of mineral reject generation	461 CuM or 1198.60 Tons.	No mineral reject generation during the reporting year.	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Not specified.	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 processing through hammering.	Manual processing through hammering.	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	Not applicable.	Nil
3j	Provision of drilling and blasting in mineral benches	Height of the benches has been proposed to 3 meters.	Height of the benches has been observed more than the proposed height of 3 meters.	Violation of rule 11(1) of MCDR, 2017 issued.
3k	Provision of mining machineries in mineral benches	Tractor mounted trolley, Rock breaker and jack hammer.	Tripper, Rock drill and Air compressor.	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of the benches has been proposed 3 meters.	Heights of Benches were not maintained as per proposal.	Violation of rule 11(1) of MCDR, 2017 issued for not maintaining bench height as per proposal.
3m	Total area covered under excavation/pits	1.257 Hectare at the end of the plan period i.e. 2023-24.	0.605 Hectare at the end of the 2022-23.	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:0.69 CuM/CuM	1:0.003 CuM/CuM	Violation of rule 11(1) of MCDR, 20177 issued for deviation in stripping ratio.
3o	Total area put in use under different heads at the end of year	1.88 Hectare at the end of the plan period i.e. 2023-24.	1.406 Hectare at the end of the 2022-23.	Nil
3p	Production of ROM mineral during the last five year period as applicable	2018-19: 29330 2019-20: 10800 2020-21: 11250 2021-22: 11250 2022-23: 10800	2018-19:4395 2019-20:830 2020-21:312 2021-22:550 2022-23: 7976	All figures in tones.

3q	General remarks of inspecting officers on method of mining etc.	Opencast method of Mining has been proposed.	Opencast method of mining is being practiced.	Method of mining proposed is suitable for the type of deposit.
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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 top soil generation. Separate dumping of OB and MR.	No MR and top soil generation. OB dumped separately.	Nil
4b	Location of topsoil, OB and mineral reject dumps	Waste dumping proposed in northern direction of boundary pillar A.	Waste dumping has not been carried out as per proposal.	Violation of rule 11(1) of MCDR, 20177 issued vide letter dated 18/01/2024.
4c	Number of dumps within lease area and outside of lease area	One	Three.	Violation of rule 11(1) of MCDR, 20177 issued for change in the location of waste dumping.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL.	Outside UPL.	Nil
4e	Number of active and alive dumps.	One.	Three.	Violation of rule 11(1) of MCDR, 20177 issued for change in the location of waste dumping.
4f	Number of dead dumps.	No proposal.	Not applicable.	Nil
4g	Number of dumps established.	No proposal.	Not applicable.	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal.	Not applicable.	Nil
4i	Length of Retaining wall or garland drain all along dumps	No proposal.	Not applicable.	Nil
4j	Number of settling ponds	No proposal.	Not applicable.	Nil

4k	Specific comments of inspecting officer on waste dump management	Waste dumping proposed in northern direction of boundary pillar A.	Waste dumping has not been carried out as per proposal.	Dumping of the waste was not carried out as per proposal. Violation of rule 11(1) of MCDR, 2017 issued for the deviation.
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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.	No proposal of part or full extraction of mineral.	Not applicable as no proposal.	Nil
5b	Area under backfilling of mined out area	No proposal.	No backfilling during reporting year.	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal of top soil generation.	Not applicable as top soil was not generated during RY.	Nil
5d	Total area fully reclaimed and rehabilitated	No proposal.	Not Applicable.	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No proposal of backfilling.	Not applicable as no proposal.	None of the area matured for backfilling.

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 of MCDR, 2017 holder of mining lease shall submit PMCP before 1st day of July every year.	PMCP report for the year 2022-23 has been submitted.	Nil

6b	Area available for rehabilitation (ha) .	No proposal.	Not applicable.	Nil
6c	afforestation done (ha).	0.026 Ha.	0.39 Ha.	Nil
6d	No. of saplings planted during the year	10 Numbers.	150 numbers including gap filling.	Nil
6e	Cumulative no .of plants	No proposal.	300 numbers.	Nil
6f	Any other method of rehabilitation	No proposal.	Not applicable.	Nil
6g	Cost incurred on watch and care during the year	No proposal.	Not applicable.	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal.	Not applicable.	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	Not applicable.	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No proposal.	Not applicable.	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.	Not applicable.	Nil

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	10 Numbers.	150 numbers including gap filling.	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.026 Ha.	0.39 Ha.	Nil
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 as per EC and SPCB conditions.	Monitoring is being carried out.	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	An area of 0.026 hectare with 10 nos of saplings has been proposed to plant.	An area of 0.39 hectare with 150 nos of saplings has been planted.	PMCP compliance is satisfactory.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Manual sorting of Wollastonite.	As per proposal.	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual.	Manual.	Nil
7c	Different grade of mineral sorted out at mines.	Single grade.	Single grade.	Nil
7d	Any beneficiation process at mines	No proposal.	Not applicable.	Nil

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Manual sorting of Wollastonite.	As per proposal	No issue related to mineral conservation.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal of top soil generation.	Top soil was not generated during RY.	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 dumping of waste.	Waste is dupes separately.	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	Not applicable.	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	Not applicable.	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	10 Numbers.	150 numbers including gap filling.	Nil
8g	Survival rate	No proposal.	20% as reported in AR.	Nil
8h	Water sprinkling on roads to control airborne dust	Water sprinkling proposed.	Achieved.	Nil

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	10 Numbers of saplings.	150 numbers of saplings have been planted.	Aesthetic beauty of in and around mine is good due to low scale operations.
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Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	As per rule 45 of MCDR, 2017 monthly and annual returns to be submitted.	Annual and Monthly returns of RY have been submitted.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Information of Manager, Geologist and Mining engineer is furnished.	Manager, Mining Engineer and Geologist appointed.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pits: 0.605, Roads: .80 and Waste disposal: .001 hectare.	Found in order.	Nil
9d	Scrutiny of Annual return on afforestation	150 numbers.	Found in order.	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	No mineral reject generation.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Graded stock: 2941.755 tons	The information furnished appears in order.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value and accost of production: 628 per tons.	Appears to be in order.	Nil
9h	Scrutiny of Annual return on fixed assets	Nil	No fixed asset.	Nil
9k	Scrutiny of Annual return on mining machineries	Tripper, Rock drill and Air compressor.	Tripper, Rock drill and Air compressor.	Nil

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)	18-JAN-24			
MCDR17	Rule 45(7)(a)	18-JAN-24			

Date :

(DILIP JAIN)

Indian Bureau of Mines