

**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 : **S012**) **Sharma H.C.**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh. M M Atre, lessee's representative
Official with
Designation
- (iv) Date of Inspection : 08/07/2021
- (v) Prev.inspection date : 17/03/2020

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 : 17/06/2008
- (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 : 29/05/2039
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/ : 13/03/2016
 Termination date

Geologist

Name : Deependra Singh,Part Time
 Qualification : M.Sc. Geology
 Appointment/ : 01/05/2019
 Termination date

Manager

Name : Jagdish Chopra
 Qualification : BE Mining
 Appointment/ :
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	20/09/2006
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	31/03/2015
	:	MP review under 17(1) MCR 2016	02/05/2019

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Two boreholes were proposed to be made during 2020-21.	No exploration carried out.	
1b	Exploration over lease area for geological axis 1 or 2	Not specified	Not applicable	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not specified	Not applicable	
1e	Balance reserve as on 01/04/20	329238 T	329238 T	
1f	General remarks of inspecting officers on geology, exploration etc	Not applicable	The proposed exploration had not been carried out.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Two pits as per plan	Two pits	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal	Not applicable	
2c	Stripping ratio or ore to OB ratio	1:0.59	Not reported	
2d	Quantity of topsoil generation in m3	No proposal	Not applicable	
2e	Quantity of overburden generation in m3	4880 cu m	None	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Not applicable	The opencast manual method has been adopted for carrying out mining operations.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two	One	
3b	Quantity of ROM mineral production proposed	6676 T	312 T	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	1250 T	Zero	
3e	Grade of mineral rejects generation and threshold value declared.	Not specified	Not applicable	
3f	Quantity of sub grade mineral generation.	Zero	Nil	
3g	Grade of sub grade mineral generation	Not applicable	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	
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	Yes	Yes	

3k	Provision of mining machineries in mineral benches	No proposal	Not applicable
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes, 3m
3m	Total area covered under excavation/pits	0.258 ha	0.012 ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.59	Not reported
3o	Total area put in use under different heads at the end of year	0.258 ha	0.012 ha
3p	Production of ROM mineral during the last five year period as applicable	2015-16- 12480 T, 2016-17- 18720 T, 2017- 18- 28860 T, 2018-19- 29330 T, 2019-20- 7349 T	2015-16- 10330 T, 2016- 17-10685 T, 2017-18- 11705 T, 2018-19- 5000 T, 2019-20- 830 T
3q	General remarks of inspecting officers on method of mining etc.	Not applicable	The opencast manual method has been adopted for carrying out mining operations.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes proposed	Being done	
4b	Location of topsoil, OB and mineral reject dumps	At earmarked place	Being done	
4c	Number of dumps within lease area and outside of lease area	Two	Two	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Along lease boundary	Being done
4e	Number of active and alive dumps.	One	One
4f	Number of dead dumps.	One	One
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	Not applicable	Not applicable
4j	Number of settling ponds	No proposal	Not applicable
4k	Specific comments of inspecting officer on waste dump management	Not applicable	The waste dumping was as per proposals.

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	Not applicable	
5b	Area under backfilling of mined out area	No backfilling proposed.	Not applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	Not applicable	
5d	Total area fully reclaimed and rehabilitated	No proposal	Not applicable	

5e	General remarks of inspecting officers on backfilling and reclamation etc.	Not applicable	There is no matured area available for backfilling & reclamation.
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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).	Yes as per rule	Not submitted for the year 2020-21.	
6b	Area available for rehabilitation (ha) .	No proposal	Not applicable	
6c	afforestation done (ha).	200 nos	150 nos	
6d	No. of saplings planted during the year	200 nos	150 nos	
6e	Cumulative no .of plants	2800 nos	400 nos	
6f	Any other method of rehabilitation	No proposal	Not applicable	
6g	Cost incurred on watch and care during the year	Rs. 2000/-	Rs. 2000/-	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Not applicable	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Not applicable	

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposal	Not applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Not applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal	Not applicable
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposal	None
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No proposal	Nil
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposal	None
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed monitoring	Being done
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Not applicable	The annual report of reclamation & rehabilitation work has not been submitted for the year 2020-21.

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	6676T	312 T
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual
7c	Different grade of mineral sorted out at mines.	No proposal	None
7d	Any beneficiation process at mines	No proposal	None
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Not applicable	There is no mineral conservation issue at the mines.

Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Not applicable	
8b	Concurrent use or storage of topsoil	No proposal	Not applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes proposed	Being done	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Not applicable	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Not applicable
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	2800 nos of trees.	2800 nos of trees
8g	Survival rate	No proposal	20 %
8h	Water sprinkling on roads to control airborne dust	Yes proposed	Provided.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not applicable	The general aesthetic beauty in and around the mine was satisfactory.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Not applicable	The M/R submitted up to June 2021, The A/R submitted up to 2020-21.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager- Sh. Surendra Singh, Mining Engineer- Sh. Purshotum Goel, Geologist- Sh. Deependra Singh Rathore.	Found in order	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	The details furnished	Found in order	

9d	Scrutiny of Annual return on afforestation	150 Planted within lease area with Survival rate of 20%.	Found in order
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Reject generation - Nil	Found in order
9f	Scrutiny of Annual return on ROM stock and/or graded ore	opening Stock- 7.735, Production- 312, Despatch- 314.20 & Closing Stock- 5.475.	Found in order
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The Ex- Mine price is Rs. 200.00 per tonne & Cost of Production is Rs. 581.00.	The cost of production considered on higher side.
9h	Scrutiny of Annual return on fixed assets	The value of Fixed assets stated as Zero.	It can not be Zero.
9k	Scrutiny of Annual return on mining machineries	No M/c stated to be deployed in the mine	No M/C deployed in the mine.

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

Date :

(Sharma H.C.)

Indian Bureau of Mines