

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

**MCDR INSPECTION REPORT**

**Ajmer regional office**

**Mine file No :** RAJ/PAL-63RAJ21002/WOL,CAL-2

**Mine code :** 63RAJ21002

- (i) Name of the Inspecting : **G021** ) **D R GURJAR**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri Prabhat Dagliya DGM(Geology) & Sh. M.K. Khedekar  
Official with  
Designation
- (iv) Date of Inspection : 17-DEC-18
- (v) Prev.inspection date : 12-MAR-15

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **SODPURA RAMPURA(14/05)**
- (b) **Registration NO.** : **IBM/462/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :  
State : RAJASTHAN  
District : PALI  
Village : SODPURA RAMPURA  
Taluka : RAIPUR  
Post office :  
Pin Code : 306101  
FAX No. : 0294 2494608  
E-mail : info@wolkem.com  
Phone : 0294 2494600-602
- (f) Police Station : Sendra
- (g) First opening date : 13-SEP-12
- (h) Weekly day of rest : SUN
2. Address for : E-101-102, Mewar Industrial Area  
correspondance : Madri, Udaipur - 313003, Rajasthan  
Ph. 0294 2494600-602, Fax - 0294 2494608
3. (a) Lease Number : RAJ5428
- (b) Lease area : 24.86
- (c) Period of lease : 50
- (d) Date of Expiry : 13-SEP-62
4. Mineral worked : WOLLASTONITE Main

5. Name and Address of the

Lessee : WOLKEM INDUSTRIES LTD  
SALUMBER HOUSE AMBAVGARH  
UDAIPUR UDAIPUR RAJASTHAN  
Phone:0297-222313  
FAX :0297-222097

Owner : WOLKEM INDUSTRIES LTD.  
SALUMBER HOUSE, AMBAVGARH,  
UDAIPUR. SIROHI RAJASTHAN  
Phone: 0297-222313  
FAX : 0297-222097

6. Date of approval of Mining : MP modif under 17(3) MCR 2016 18-OCT-16  
Plan/Scheme of Mining

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	During the year 2017-18 exploration was proposed by two trail pits having dimension 6mX5mX4m.	During the year 2017-18 exploration has not been carried out as proposed.	Violation of rule 11(1) of MCDR 2017 has been issued to the lessee.
1b	Exploration over lease area for geological axis 1 or 2	During the year 2017-18 exploration was proposed by two trail pits having dimension 6mX5mX4m.	During the year 2017-18 exploration has not been carried out as proposed.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	During the year 2017-18 approximate expenditure of Rs. 24000 was proposed.	Actual expenditure Nil.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Wollastonite Mineral 111: 306052 T as on 01.04.2018	Wollastonite Mineral 111: 306052 T as on 01.04.2018	During the year 2017-18 wollastonite production is Nil.
1f	General remarks of inspecting officers on geology, exploration etc			Violation of rule 11(1) of MCDR 2017 has been issued to the lessee for non compliance of exploration proposal for the year 2018-19.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Mining proposed at deposit no.1 of Wollastonite mineral	No mining of wollastonite mineral has been carried out during the year 2017-18.	No working for Wollastonite mineral in 2017-18 and notice of temporary discontinuation mines w.e.f. 01.06.2018 submitted by lessee.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches proposed for OB and mineral	Separate benches prepared for OB and mineral	
2c	Stripping ratio or ore to OB ratio	1:2.80	Nil	No mining of wollastonite mineral has been carried out during the year 2017-18.
2d	Quantity of topsoil generation in m3	No proposal	Nil	No mining of wollastonite mineral has been carried out during the year 2017-18.
2e	Quantity of overburden generation in m3	11538 MT (2017-18)	No OB was generated for wollastonite mining during the year 2017-18. However during the mining of minor minerals in the lease area OB was removed.	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			No mining of wollastonite mineral has been carried out during the year 2017-18.

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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit of wallstonite mineral proposed.	One Pit of wallstonite mineral proposed.	
3b	Quantity of ROM mineral production proposed	Woll (ROM) = 8125 MT. Recoverable mineral 50% of ROM= 4063 MT	Nil	No mining of wollastonite mineral has been carried out during the year 2017-18.
3c	Recovery of sailable/usable mineral from ROM production	Wollastonite- 50%	Nil	
3d	Quantity of mineral reject generation	No proposal	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Not applicable.	

3f	Quantity of sub grade mineral generation.	No proposal	Nil
3g	Grade of sub grade mineral generation	No proposal	Not applicable.
3h	Manual / Mechanised method adopted for segregating from ROM	Manual sorting	None
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	None.
3j	Provision of drilling and blasting in mineral benches	Drilling proposed by jack hammer	As per proposal.
3k	Provision of mining machineries in mineral benches	JCB with matching dumper/tippers .	Engaged as per requirements on hire basis.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes
3m	Total area covered under excavation/pits	1.055 ha up to mining plan period i.e. year 2022	0.579 hectare
3n	Ore to OB ratio for the pit/mine during the year.	1 : 2.8	Nil
3o	Total area put in use under different heads at the end of year	At the end of mining plan period i.e. 2021-22 total area put to use under various heads will be 5.82 Hectare area.	As per annual return 2017-18: Pit- 0.579 ha Waste/reject-0.61 ha Others- 0.985 ha

3p	Production of ROM mineral during the last five year period as applicable	Wollastonite- 2013-14- 14250 T 2014-15- 13455 T 2015-16- 15600 T 2016-17- 19200 T 2017-18- 4063 T	2013-14- 0 MT 2014-15- 35.79 T 2015-16- 589 T 2016-17- 0 T 2017-18- 0 T	No working for Wollastonite mineral in 2017-18 and notice of temporary discontinuation mines w.e.f. 01.06.2018 submitted by lessee.
3q	General remarks of inspecting officers on method of mining etc.			Method of mining suitable to the 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)	Yes	As per proposal.	
4b	Location of topsoil, OB and mineral reject dumps	No topsoil generation proposed during the year 2017-18.OB dump was proposd towards South Wetsern part of the lease area.	OB dump towards South Wetsern part of the lease area. However during the year 2017-18 no mining for wollastonite mineral has been carried out.	
4c	Number of dumps within lease area and outside of lease area	Within lease area- One waste dump and one topsoil stack.	One waste dump and one topsoil stack.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dumps are out of UPL	Dumps are out of UPL	
4e	Number of active and alive dumps.	Dump-one Top soil- one	Dump-one Top soil- one	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	Nil	

4h	Whether Retaining wall or garland drain all along dumps are there.	Proposal given.	During the year 2017-18 no mining of wollastonite mineral has been carried out and no OB generated from wollastnite mining.
4i	Length of Retaining wall or garland drain all along dumps	150m retaining wall & 70m garland drain.	Garland drain was there and no OB was generated for wollastonite mining during the year 2017-18.
4j	Number of settling ponds	Nil	Nil

#### 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	Nil	
5b	Area under backfilling of mined out area	No proposal for the year 2017-18	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal given	Nil	
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No backfilling was proposed during the year 2017-18 and no backfilling has been carried out.

#### 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).	Yes	Submitted.
6b	Area available for rehabilitation (ha) .	0.12 Hect.	0.12 Hect.
6c	afforestation done (ha).	0.12 hect	0.12 hect.
6d	No. of saplings planted during the year	240 nos.	200 nos.
6e	Cumulative no .of plants	Not specified.	No detail given.
6f	Any other method of rehabilitation	No proposal	Nil
6g	Cost incurred on watch and care during the year	Rs. 0.384 lakh	Rs. 0.4 lakh
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal during the year 2017-18.	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Nil



6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	0.12 hect	0.12 hect.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.12 hect	0.12 hect.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation	Plantation.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed.	Monitoring is being carried out.

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral dispatch after manual sorting.	No wollastonite mineral dispatched during the year 2017-18.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	ROM grade	ROM grade	
7d	Any beneficiation process at mines	No proposal	Nil	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No issue of mineral conservation observed.
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## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Yes	
8b	Concurrent use or storage of topsoil	Temporarily stack	Will be used for plantation in rainy season	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	240 nos. plantation during the year 2017-18.	200 nos. sapling planted during the year 2017-18.	
8g	Survival rate	80%	50%	
8h	Water sprinkling on roads to control airborne dust	Yes	Being carried out.	

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Aesthetic beauty in and around the mines area is good except land degraded by pits and dump.
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Annual return submitted for the year 2017-18 Monthly return submitted up to Dec. 2018.	Annual return submitted for the year 2017-18 Monthly return submitted up to Dec. 2018.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Detail given	Mining operation are temporary disconitued w.e.f. 01.06.2018.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Detail given	The details given are not matching the figure given in Finacial Assurance Table in PMCP chapter of the approved modified mining plan(approved on 18.10.2016). Hence violation of rule 45(7) of MCDR 2017 issued to the lessee.	
9d	Scrutiny of Annual return on afforestation	Detail given	200 nos. sapling during the year 2017-18.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Detail given.	Minera reject generation-Nil	

9f	Scrutiny of Annual return on ROM stock and/or graded ore	Detail given	Closing stock of wollastonite mineral at mine head: 0.455 tonne.	Under item 2 of Part III royalty amount has been shown as Rs. 100000 whereas production and dispatch shown zero under item 1 & 2 of Part VI in Annual Return 2017-18 submitted by the lessee hence violation of rule 45(7) issued to the lessee.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Detail given	Production: Nil and Ex mine price-Nil	
9h	Scrutiny of Annual return on fixed assets	Detail given	Detail given	
9k	Scrutiny of Annual return on mining machineries	Detail given	Detail given	

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**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)	28-JAN-19			
MCDR17	Rule 35(2)	28-JAN-19			
MCDR17	Rule 45(7)(a)	28-JAN-19			

**Date :**

**(D R GURJAR)**

Indian Bureau of Mines