

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPMENT 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 : **P022** ) **PANKAJ KULSHRESTHA**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Prabhat Dagaliya , Geologist  
Official with  
Designation
- (iv) Date of Inspection : 14/06/2024
- (v) Prev.inspection date : 17/12/2018

**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 : 13/09/2012
- (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 : 13/09/2062
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	18/10/2016
Plan/Scheme of Mining	:	MP modif under 17(3) MCR 2016	30/01/2019

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Proposed 16 DTH holes (total drilling 560m) and 10 exploratory pits during the year 2022-23.	No exploration carried out during the year 2023-24.	A violation letter has been issued in this regard.
1b	Exploration over lease area for geological axis 1 or 2	--	No exploration done during the year 2023-24.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Wolkem Industries Ltd., Udaipur	As above.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	1.87 hectares	Not done.	
1e	Balance reserve as on 01/04/20	306051 tonnes	306051 tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	The status of exploration is inadequate.	The exploration has not been done as per proposal. A violation letter has been issued in this regard.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Mining proposed at deposit no.1	No mining done for winning of wollestonite.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Not applicable for Wollestonite. However there is a working pit for felspar. The bench formation in that pit is not proper. A violation letter in this regard has been sent.	
2c	Stripping ratio or ore to OB ratio	1:0.34	Not applicable w.r.t wollestonite mining.	

2d	Quantity of topsoil generation in m3	No proposal	Not applicable w.r.t. Wolloestonite mining.
2e	Quantity of overburden generation in m3	3090 cu.m.	720 cu.m.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NA	May be considered as satisfactory. However no mining done for wollestonite during the year 2023-24.

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Mining proposed in main deposit no. 1 pit-1.	No mining carried out for wollestonite during the year 2023-24	
3b	Quantity of ROM mineral production proposed	4788 tonnes of wollestonite production proposed during 2023-24	Nil	
3c	Recovery of sailable/usable mineral from ROM production	Recovery of wollestonite was expected as 50%.	Not applicable due to nil production.	
3d	Quantity of mineral reject generation	2394 tonnes	Nil no reject generated	
3e	Grade of mineral rejects generation and threshold value declared.	NA	Not applicable	
3f	Quantity of sub grade mineral generation.	Nil	Not applicable	
3g	Grade of sub grade mineral generation	NA	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	As above	

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	Drilling proposed by jack hammer.	No mining carried out during the year for winning of wollestonite.
3k	Provision of mining machineries in mineral benches	JCB and dumper	As above
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	The mining was proposed by forming benches of maximum 6 meter height & same width in o/b as well as mineral.	Single bench of more than 10 meter (aprox) height observed in the working pit i.e. pit no.2 (felspar). Proper benches have not been formed. A violation letter has been issued in this regard.
3m	Total area covered under excavation/pits	1.3164 ha up to mining plan period i.e. 2027	0.960 ha. of area covered under excavation.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.34	Not applicable as no mining carried out for Wollestonite during the year 2023-24.
3o	Total area put in use under different heads at the end of year	Pit- 1.3164 ha Waste Dump- 0.9252 ha. Mineral Stack- 0.1886 Infrastructure -0.004 ha Roads-0.6069 ha. Plantation- 0.1825 ha. (at the end of mining plan period i.e. 2027)	Pit- 0.960 ha. Waste Dump- 0.227 ha. Mineral Stack, Roads, etc.- 0.681 ha. Plantation- 0.765 ha.
3p	Production of ROM mineral during the last five year period as applicable	2019-20: 6225 T 2020-21: 14400T 2021-22: 21300T 2022-23: 4020 T 2023-24 : 4788 T	2019-20: Nil 2020-21: Nil 2021-22: Nil 2022-23: NIL 2023-24 : NIL

3q	General remarks of inspecting officers on method of mining etc.	NA	The method of mining proposed may be considered as satisfactory.
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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, separate dumping proposed.	The overburden and soil is being stacked separately.	
4b	Location of topsoil, OB and mineral reject dumps	Within lease area	Within lease area	
4c	Number of dumps within lease area and outside of lease area	1 waste dump and a top soil dump	As per proposal	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside the UPL	As above.	
4e	Number of active and alive dumps.	One waste dump	As above	
4f	Number of dead dumps.	No such proposal	Nil	
4g	Number of dumps established.	NA	Not applicable	
4h	Whether Retaining wall or garland drain all along dumps are there.	It was proposed to construct 160 m of retaining wall and 770 m Garland drain	No retaining wall/garland constructed so far. A violation has already been issued in this regard.	
4i	Length of Retaining wall or garland drain all along dumps	160 m of retaining wall and 770 m Garland drain	Nil	
4j	Number of settling ponds	No such proposal	Not applicable	
4k	Specific comments of inspecting officer on waste dump management	NA	The present status of waste dump management may be considered as satisfactory.	

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Solid Waste Management - Backfilling:

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Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No such proposal	Not applicable	
5b	Area under backfilling of mined out area	No such proposal	Not applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Yes, concurrent use of top soil proposed.	As above.	
5d	Total area fully reclaimed and rehabilitated	No such proposal .	The area is not matured for reclamation and rehabilitation.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NA	The area is not matured for reclamation and rehabilitation activity.	

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	Yes, submitted	
6b	Area available for rehabilitation (ha) .	No such proposal	Not applicable	
6c	afforestation done (ha).	0.1 ha	During the year 2023-24, plantation program has not been carried out . A violation letter has been issued in this regard.	
6d	No. of saplings planted during the year	100 saplings	50 saplings but none of them survived.	
6e	Cumulative no .of plants	700 nos.	100 nos.	
6f	Any other method of rehabilitation	No such proposal	Not applicable	

6g	Cost incurred on watch and care during the year	Rs. 0.4 lacs	Rs. 0.40 lacs
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No such proposal	Not applicable
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No such proposal	Not applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No such proposal	Not applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No such proposal	Not applicable
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No such proposal	Not applicable
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No such proposal	Not applicable
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No such proposal	Not applicable
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Yes, regular monitoring is being done in core and buffer zone.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NA	May be considered as satisfactory.
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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	It was proposed to mine out 4788 T of ROM - Wollastonite during the year 2023-24.	No mineral- "Wollastonite" produced during the year 2023-24.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	Not applicable	
7c	Different grade of mineral sorted out at mines.	No grading proposed at mine site.	Not applicable	
7d	Any beneficiation process at mines .	No such proposal	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NA	No issue regrading mineral conservation or beneficiation observed in absence of wollastonite mining.	

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No such proposal	Top soil stacked separately for further utilisation.	
8b	Concurrent use or storage of topsoil	Yes	As above	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump for overburden	Yes ,as above
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No such proposal	Not applicable
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No such proposal during the year 2023-24.	Not applicable
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	It was proposed to plant suitable saplings in the lease area.	The lessee has deposited amount for compensatory afforestation in forest department,
8g	Survival rate	50%	Survival rate is very poor due to scarcity of water and rocky terrain.
8h	Water sprinkling on roads to control airborne dust	Yes	As per proposal.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NA	The overall aesthetic beauty in and around mines area may be considered as satisfactory.

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Compliance of Rule 45:

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Sl.No.	Item	Propasals	Actual work	Remarks
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**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)	02/07/2024			

**Date :**

**(PANKAJ KULSHRESTHA)**

Indian Bureau of Mines