

# INDIAN BUREAU OF MINES

## --:-- Inspection Report --:--

### Part-I : General Information

#### 1.1.1 Mine Details

Name of the Mine :	KHERTARLA	Lease Area (Ha) :	49.48
Forest Area (Ha) :	54	Mine Code :	63RAJ26001
Registration Number :	IBM/462/2011	Name of lessee :	WOLKEM INDUSTRIES LTD
Address of lessee :	Post Box 21, E-102 ,Mewar Industrial Area, Madri, UDAIPUR	Phone of lessee :	0294-2494600
Email of lessee :	Info@wolkem.com	Fax Number :	N/A
Village :	Bheemana	Taluka / Mandal :	Bali
District :	PALI	Pincode :	313003
State :	Rajasthan	Post Office :	N/A
Nearest Police Station :	N/A	Nearest Railway Station :	N/A
Date of Grant of Mining Lease :	1976-03-19	Date of Mining Lease Execution :	1975-11-20
Date of opening in the mine :	1976-03-19		

<b>Nominated Owner Details</b>			
Name of the Nominated Owner :	Mr UTTAM PAL PAHADIYA	Nominated Owner Address:	34, Kartikeya Society, Paneriyo Ki Madri, UDAIPUR
Nominated Owner Mobile :	7340064511	Nominated Owner Email :	Upp@wolkem.com
Nominated Owner Fax Number :	Nil	Date of Nominated Owner Appointment :	2015-06-08
<b>Mining Engineer Details</b>			
Name of the Mining Engineer :	Sri Lalit Singh Chundawat	Qualification of Mining Engineer :	B.E. (Mining)
Address of Mining Engineer :	Wolkem Industries Ltd., Sirohi Road – 307022	Phone of Mining Engineer :	9001047853
Email of Mining Engineer :	Khera@wolkem.com	Fax Number of Mining Engineer :	0294249460
Date of Mining Engineer Appointment :	2021-09-15		
<b>Geologist Details</b>			
Name of the Geologist :	Sri Ganpat Singh	Qualification of Geologist :	M.Sc.-Tech(Applied Geology)
Address of Geologist :	Wolkem Industries Ltd., Sirohi Road – 307022	Phone of Geologist :	9001047853
Email of Geologist :	Ganpat.singh@wolkem.com	Fax Number of Geologist :	0294249460
Date of Geologist Appointment :	2016-05-11		
<b>Mine Manager Details</b>			
Name of the Mine Manager :	Sri Srikanth Jadapalli	Qualification of Mine Manager :	B.Tech (Mining Engineering)
Address of Mine Manger :	Wolkem Industries Ltd., Sirohi Road – 307022	Phone of Mine Manger :	8008108088

Email of Mine Manger :	Srikanth.jadapalli@wolkem.com	Fax Number of Mine Manger :	0294249460
Date of Mine Manger Appointment :	2024-12-10		
Mineral(s) granted in lease and proved for mining :	CALCITE,FELSPAR,QUARTZ,WOLLASTONITE	Date of Approval of Mining Plan / Modified Mining Plan / ROMP with five-year period :	2025-02-14 (2024 - 2025)
Method of mining :	Both	Category :	MECHANISED
Nature of Use :	Captive		

## Part-II : Other Information

### 2.1.1 : Inspection Details

Inspecting Officer :	Nishant Rao
Designation :	Inspection Officer
Name of the Accompanying Official from Mine :	Mines Manager
Designation of the Accompanying Official :	Mr. Srikanth Jadapalli
Type of Inspection :	STOP
Date of Inspection :	06/03/2025
Review year considered for MCDR Inspection :	2023-2024

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**2.2.1 : Exploration Details**

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Number of Core Boreholes	3	3	0.000	No Violation	found ok	Nil
2	Number of DTH Boreholes	0	9	-9.000	No Violation	Nil	Nil
3	Number of exploratory pits / trial pits	0	0	0.000	No Violation	Nil	Nil
4	Number of exploratory Trenches	0	0	0.000	No Violation	Nil	Nil
5	Lateral exploration status for the lease area	G1	23.14	23.14	0.000	No Violation	Nil
6		G2	1.16	1.16	0.000	No Violation	Nil
7		G3	0	0	0.000	No Violation	Nil
8		G4	0	0	0.000	No Violation	Nil
9	UNFC category wise reported Resources/Reserves as per MP/MMP ROMP  Total Reserves (111, 121 & 122) and Total Mineral Resources (331, 332 & 333 upto 334)	6418030	6418030	0.000	No Violation	ok	Nil

**2.3.1 : Development - Opencast Details**

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Location of development w.r.t. lease area	Pit : Block-A (East Deposit - Pure zone) & Direction : North, Pit : Block-A (East Deposit - Mix zone) & Direction : North, Pit : Block-C (West Deposit) (Pure Zone) & Direction : South, Pit : Block-C (West Deposit) (Mix zone) & Direction : South, Pit : Block-A (East Deposit - Calcite & Direction : West	Pit : Block-A (East Deposit - Pure zone) & Direction : North, Pit : Block-A (East Deposit - Mix zone) & Direction : North, Pit : Block-C (West Deposit) (Pure Zone) & Direction : South, Pit : Block-C (West Deposit) (Mix zone) & Direction : South, Pit : Block-A (East Deposit - Calcite & Direction : West	no deviation	No Violation		Nil
2	Quantity of overburden generation in m3	374390.00	155076	219314.000	No Violation	Less development & OB removal	Nil
3	Quantity of topsoil generation in m3	0.00	0	0.000	No Violation	found ok	Nil
4	Stripping ratio : ore to OB ratio	1.5:45	1:3	0:2.45	No Violation	less OB generated	Nil

**2.3.2 : Development - Underground Details**

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Mode of Entry Shaft/ Adit/Incline/Decline	378.98	195.62	183.360	No Violation	less development	Nil
2	Method of Working	Sublevel	sub level	none	No Violation	found ok	Nil
3	(i)Shaft	na	na	na	No Violation	No shaft working	Nil
4	(ii)Incline/Decline/Ramp	nil	nil	nil	No Violation	nil	Nil
5	(iii)Raises/Winzes	50	0	50.000	No Violation	raise not completed during RY	Nil
6	(iv)Adit	nil	nil	nil	No Violation	no proposal	Nil
7	(v)Haulage	nil	nil	nil	No Violation	nil	Nil
8	(vi)Cross-Cut	nil	nil	nil	No Violation	nil	Nil
9	(vii)Ore-Drive/Levels	115	92.72	22.280	No Violation	Ore drive is less develop	Nil

10	Number of stopes under development during the year	nil	nil	nil	No Violation	Nil	Nil
11	Number of Levels	1	1	0.000	No Violation	ok	Nil
12	Level Interval (in Meter)	na	na	na	No Violation	Nil	Nil
13	Quantum of Ore Generated while Development during the year (inT)	0	0	0.000	No Violation	Nil	Nil
14	Ore Recovery in the development	0	0	0.000	No Violation	Nil	Nil
15	Quantity of waste generation in m3	6547.1	3824.33	2722.770	No Violation	Nil	Nil

#### 2.4.1 Exploitation - Opencast Mine Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Number of pits / Blocks proposed for production	02	02	0.000	No Violation	Nil	Nil
2	Quantity of ROM mineral production proposed (in T)	171606.6	129223	42383.600	No Violation	Violation has been given previously for RY 2023-24	Nil
3	Recovery of salable/usable mineral	114230.53	102986	11244.530	No Violation	Violation has	Nil

	quantity from ROM production in T)					been given previously for RY 2023-24	
4	Quantity of mineral reject/Sub-grade generation	18900	26237	-7337.000	No Violation	Violation has been given previously for RY 2023-24	Nil
5	Grade of mineral reject/sub-grade generation as per threshold value declared	The threshold value of wollastonite mineral as fixed by IBM i.e. 35%. All the produced mineral wollastonite has been sorted mechanically & manually to saleable grades i.e. Grade-1 & Grade-2 which containing +30% wollastonite & dispatched to Amliya Plant for further refinement.	The threshold value of wollastonite mineral as fixed by IBM i.e. 35%. All the produced mineral wollastonite has been sorted mechanically & manually to saleable grades i.e. Grade-1 & Grade-2 which containing +30% wollastonite & dispatched to Amliya Plant for further refinement.	nil	No Violation	Nil	Nil
6	Manual/Mechanised method adopted for segregating subgrade/mineral rejects from ROM	Manual & mechanized method adopted for segregating /sorting from ROM	Manual & mechanized method adopted for segregating /sorting from ROM	nil	No Violation	Nil	Nil
7	Whether height of benches in Overburden& mineral suitable for method of mining proposed in mining plan	yes	yes	nil	No Violation	Nil	Nil

8	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	The so produced Grade -1 & 2 wollastonite is further processed/refined at Plant by using crushers, screenings, Optical sorter, Magnetic Separation, Gravitational separation methods & other related conventional method. The company is under process for wet process beneficiation to recover the requisite saleable wollastonite mineral. It is also on completion stage & start the process to obtain necessary permissions for the construction of Beneficiation Plant at Amliya.	The so produced Grade -1 & 2 wollastonite is further processed/refined at Plant by using crushers, screenings, Optical sorter, Magnetic Separation, Gravitational separation methods & other related conventional method. The company is under process for wet process beneficiation to recover the requisite saleable wollastonite mineral. It is also on completion stage & start the process to obtain necessary permissions for the construction of Beneficiation Plant at Amliya.	nil	No Violation	Nil	Nil
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#### 2.4.2 Exploitation - Underground Mine Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Number of levels for production	0	0	0.000	No Violation	Nil	Nil
2	Number of stopes for production	Number of Stopes : 0	0	0	No Violation	Nil	Nil
3	Quantity of ROM mineral production from stopes	0	0	0.000	No Violation	Nil	Nil
4	Recovery of salable/usable mineral quantity from ROM production in T)	0	0	0.000	No Violation	Nil	Nil
5	Total Production (Development + stopes)	0	0	0.000	No Violation	Nil	Nil
6	Overall recovery in %	0	0	0.000	No Violation	Nil	Nil
7	Quantity of mineral reject generation	0	0	0.000	No Violation	Nil	Nil
8	Grade of salable/usable mineral quantity	0	0	0.000	No Violation	Nil	Nil
9	Manual / Mechanized method adopted for segregating mineral reject from ROM	na	na	nil	No Violation	Nil	Nil
10	Any analysis or beneficiation study proposed & carried out for mineral reject	nil	nil	nil	No Violation	Nil	Nil
11	Provision of drilling & blasting	Drilling Blasting	Drilling Blasting	nil	No Violation	Nil	Nil

		Proposed	Proposed				
12	Provision of mining machineries underground	na	na	nil	No Violation	Nil	Nil

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### 2.4.3 : Exploitation - Dump Working Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Number of dumps proposed for production	1	1	0.000	No Violation	Nil	Nil
2	Quantity of dump material handling Proposed (in Tonne)	Quartz & Feldspar:30000 & Calcites :25000	Quartz & Feldspar:0 and Calcite :23075	30000 & 1975	No Violation	Violation has been given previously for RY 2023-24	Nil
3	Recovery of salable/usable mineral from dump production (in Tonne)	6000 Q&F 5000 Calcite	0 4615 Calcite	6000 t & 385 t	No Violation	Violation has been given previously for RY 2023-24	Nil
4	Production from dump(s) during the year	6000 Q&F 5000 Calcite	0 4615 Calcite	6000 t & 385 T	No Violation	Violation has been given previously for RY 2023-24	Nil
5	Quantity of mineral reject generation	0	0	0.000	No Violation	Nil	Nil
6	Grade of mineral reject generation and threshold value declared	na	na	na	No Violation	Nil	Nil
7	Any analysis or beneficiation study proposed & carried out for mineral reject	nil	nil	nil	No Violation	Nil	Nil
8	Manual / Mechanized method adopted for dump working	Semi mechanized	Semi mechanized	nil	No Violation	Nil	Nil

**2.5.1 : OB/Waste Dumps Details**

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Separate dumping of topsoil, OB & mineral rejects, fines, tailings (Rule 36,37)	For Opencast : Dump Type : Waste, Dump ID : Proposed Back Filling at NE Pit of East Deposit , Dump Type : Mineral Reject, Dump ID : Proposed Back Filling at NE Pit of East Deposit For Underground : Dump Type : Waste, Dump ID : Back Filling at NE Pit of East Deposit	same as proposed	nil	No Violation	Nil	Nil
2	Location of Topsoil, OB/Waste, Mineral Reject dumps, Tailings and Fines	For Opencast : Dump Type : Waste, Dump ID : Proposed Back Filling at NE Pit of East Deposit , Latitude : 24:45:44.86 , 24:45:50.50, Longitude: 73:10:18.07 , 73:10:22.78 , Dump Type :	same as proposed	nil	No Violation	Nil	Nil

		Mineral Reject, Dump ID : Proposed Back Filling at NE Pit of East Deposit , Latitude : 24:45:44.86 , 24:45:50.50, Longitude: 73:10:18.07 , 73:10:22.78 For Underground : Dump Type : Waste, Dump ID : Back Filling at NE Pit of East Deposit , Latitude : 24:45:44.86 , 24:45:50.50, Longitude: 24:45:50.50 , 73:10:22.78					
3	Number of active & Inative dumps	1	1	0.000	No Violation	Nil	Nil
4	Number of dead dumps	2	2	0.000	No Violation	Nil	Nil
5	Number of dumps proposed for stabilished	0	1	-1.000	No Violation	Nil	Nil
6	Stabilization Technique (Terracing, plantation, geo-textiles etc.)	Terracing,plantati on	Terracing,plantati on	nil	No Violation	Nil	Nil

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**2.6.1 : Solid Waste Management - Backfilling (Opencast) Details**

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Status on part or full extraction of mineral from mined out area before starting backfilling	nil	nil	Nil	No Violation	Nil	Nil
2	Year-wise area under backfilling of mined out area	Pit ID : Northeast open Pit 271521 CUM OB and MR IB, Area Proposed : 16700.00	nil	1.67 ha	No Violation	Violation has been given previously for RY 2023-24	Nil
3	Year-wise topsoil generation, Utilization and Stored proposal (in m3)	Generated :0.00 Utilized :0.00 Stored :0.00	Generation Nil Utilization 1017 Stored 833	nil	No Violation	Nil	Nil
4	Total area fully reclaimed & rehabilitated	8.462	8.462	0.000	No Violation	Nil	Nil
5	Locations of proposed reclamation & rehabilitated	na	na	nil	No Violation	Nil	Nil

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**2.6.2 : Solid Waste Management - Backfilling (Underground) Details**

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	For Underground, Percentage of Waste backfilled underground itself	0	0	00.000	No Violation	Nil	Nil
2	For Underground, number of exploited stopes under filling/stowing	0	0	0.000	No Violation	Nil	Nil
3	For Underground, number of exploited stopes abandoned after filling	0	0	0.000	No Violation	Nil	Nil
4	Total area fully reclaimed & rehabilitated	0	0	0.0000	No Violation	Nil	Nil

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**2.7.1 : Progressive Mine Closure Plan (PMCP) Details**

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Compliance on reclamation and rehabilitation by backfilling/Other means  Total area and numbers of plantation proposed.	Plantation : Location :N 2739612 to N 2739579 and E 314488 to E 314590, Area : 0.30, No. of Plant : 350 Plantation : Location :N 2739476 to N 2739547 and E 318518 to E 314621, Area : 0.40, No. of Plant : 440 Pit ID : Northeast open Pit 271521 CUM OB and MR IB, Area : 16700.00	Area 0.30 ha Numbers of plantation - 350	0.10 ha & 90 plant	No Violation	Violation has been given previously for RY 2023-24	Nil
2	Rehabilitation by making water reservoir	nil	nil	nil	No Violation	Nil	Nil
3	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	na	na	nil	No Violation	Nil	Nil
4	Compliance of Environmental monitoring (core zone & buffer zone)	Yes, Separate sheet attached	Yes, Separate sheet attached	nil	No Violation	Nil	Nil

**2.8.1 : Mineral Conservation Details**

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	ROM Mineral dispatch or grade-wise sorting within lease area	All the produced mineral wollastonite has been sorted mechanically & manually to saleable grades i.e. Grade-1 & Grade-2 which containing +30% wollastonite & dispatched to Amliya Plant for further refinement	All the produced mineral wollastonite has been sorted mechanically & manually to saleable grades i.e. Grade-1 & Grade-2 which containing +30% wollastonite & dispatched to Amliya Plant for further refinement	nil	No Violation	Nil	Nil
2	Different grade of mineral sorted out at mines	Grade-1 & Grade-2 which containing +30% wollastonite	Grade-1 & Grade-2 which containing +30% wollastonite	nil	No Violation	Nil	Nil
3	Any beneficiation process at mines	nil	nil	nil	No Violation	Nil	Nil
4	For Underground, compliance of Rule 16 (Sub-grade mineral is below cut-off value for the lease) - Sub-grade generation - Sub-grade brought to the surface	na	na	na	No Violation	Nil	Nil
5	Utilization of Mineral Rejects or Sub-grade (Blending at ROM stage,	na	na	na	No Violation	Nil	Nil

	Blending after Processing etc.)					
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**2.9.1 : Environment Details**

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Separate removal and utilization of topsoil	Not Proposed	Minor quantity of sub- soil recovered & used for plantation.	nil	No Violation	Nil	Nil
2	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Mainly waste /OB has to be dumped at earmarked site	Overburden, waste rock and Rejects are presently stacked at earmarked location & partially waste used for construction of parapet /retaining walls along the dumps	nil	No Violation	Nil	Nil
3	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	nil	nil	nil	No Violation	Nil	Nil
4	Plantation & Survival rate	Plantation : 350, Survival Rate : 85	Plantation 350 Survival rate 90%	nil	No Violation	Nil	Nil
5	Water sprinkling on roads to control airborne dust	Regular Water sprinkling by Water Tanker on roads & mining faces.	Regular Water sprinkling by Water Tanker on roads & mining faces.	Nil	No Violation	Nil	Nil

**2.10 : Annual Return Details**

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Submission of Online Monthly and Annual returns in prescribed period or not	Last Annual Returns : No, Last Monthly Returns : Yes - February 2024 - Submitted on : 2024-06-27	Last Annual Returns : No, Last Monthly Returns : Yes - February 2024 - Submitted on : 2024-06-27	NIL	No Violation	Nil	Nil
2	Appointment of Mining Engineer & Geologist as per provisions of Rule 55 of MCDR,2017	yes	Mining Engineer Mr. Lalit Singh Chudawat. Geologist Mr. Ganpat Singh. Manager Mr. Shrikant Jadapalli	nil	No Violation	Nil	Nil
3	Whether incomplete or false or wrong returns submitted (Rule 45(7))	nil	nil	nil	No Violation	Nil	Nil
4	Status of Approval of FMPCP u/r 24, 25 of MCDR,2017	na	na	na	No Violation	Nil	Nil
5	Notices and Returns for the lease area submitted or not where fine applicable	na	na	na	No Violation	Nil	Nil
6	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex- Mine price 1468.63 Production cost: 1468.63	Ex- Mine price 1468.63 Production cost: 1468.63	nil	No Violation	Nil	Nil

### 2.11 : SDF Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Start Ratings accorded for mine during last 3 years	Year of Submission : 2023-2024 , Rating : 4 Stars	during last three years rating was 4	nil	No Violation	Nil	Nil

### Part-III : Other Reports

#### 3.1.1 : Upload Other Reports

S.N.	Reports File	Remark   File Description
1	<a href="#">Stoping Inspection Report Khertala Wollastonite (2).pdf</a>	Stoping Inspection report
2	<a href="#">method_of_mining.pdf</a>	Schematic diagram for Mining method

## Part-IV : Summary Details

### 4.1 : Summary of Violations

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
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Esigned by: Nishant Rao  
Date: 17/03/2025 05:35:35 PM