INDIAN BUREAU OF MINES MINERALS DEVELOPMENT AND REGULATION DIVISION

MCDR INSPECTION REPORT

Ajmer regional office

	Mine	file No : RAJ/PALI-36	/WOI	L-CAL-01	Mine	code :	63RAJ26001
	(i)	Name of the Inspecting Officer and ID No.	J :	GQ21) D R GURJAR			
	(ii)	Designation	:	Sr. Asst. Contrl. Mines			
	(iii)	Accompaning mine Official with Designation	:	Shri U.P. Pahadia, Nominated	l Own	er	
	(iv)	Date of Inspection	:	14-JAN-23			
	(v)	Prev.inspection date	:	28-DEC-21			
		PA	RT-	I : GENERAL INFORMATION			
1.	(a)	Mine Name	:	KHERATARLA			
	(b)	Registration NO.	:	IBM/462/2011			
	(c) (d) (e) (f) (g)	Category Type of Working Postal address State District Village Taluka Post office Pin Code FAX No. E-mail Phone Police Station First opening date		info@wolkem.com 0294-2494200 Kotra 19-MAR-76			
2.		Weekly day of rest ess for espondance		SUN Khertala Wollastonite Mine, Uparla Khera and Nichla Kher District: PAli and Udaipur			Bali kotr
3.	(d)	Lease Number Lease area Period of lease Date of Expiry	::				
4.	Mine	ral worked	:	WOLLASTONITE Main			

5. Na	me and Address of t	- ho			
J. Na.	Lessee	:	WOIKEN IND	USTRIES LTD	
	TEPPEC	•		OUSE AMBAVGARH	
				AIPUR RAJASTHAN	
			Phone:0297	-222313	
			FAX :0297	-222097	
	Owner	:	Sri U.P. I	Pahadiya	
				ustries Ltd.,	
				1, E-101, Mewar area, Madri,	
			UDAIPUR RA		
			Phone: 7340	0064511	
			FAX : 0294	12494608	
	Agent	:	Sri U.P. P	ahadiya	
				ustries Ltd.,	
				1, E-101, Mewar area, Madri,	
			UDAIPUR RA	JASTHAN	
			Phone: 734		
			FAX : 0294	12494608	
	Mining Engineer	r			
	Name	:		italiya,Full Time	
	Qualification		BE Mining		
	Appointment/ Termination dat		18-JUN-19	15-SEP-21	
	Mining Engineer	r			
	Name	:	Lalit Sing	h Chundawat,Full Time	
	Qualification	:	B.E. (Mini	ng)	
	Appointment/		15-SEP-21		
	Termination dat	te			
	Geologist				
	Name	:	-	Singh,Full Time	
				AppliedGeology)	
	Appointment/ Termination dat		11-MAY-16		
	Manager				
	Name	:	Sri Amresh	Kumar	
	Qualification	:	BE Mining		
	Appointment/		30-NOV-19		
	Termination dat	te			
6. Da	te of approval of M	Mini	ing :	Existing rule 11 MCDR1988	08-apr-93
	an/Scheme of Mining		y •	Mining Scheme rule 12 MCDR1988	04-FEB-03
				Mining Scheme rule 12 MCDR1988	24-JUL-13
				MP modif under MCR 1960 MP review under 17(1) MCR 2016	14-JUN-16 08-DEC-20
				MP modif under 17(3) MCR 2016	23-JUL-21
				MP modif under 17(3) MCR 2016	15-FEB-22

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

l.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal during the previous year 2020-21.	Not applicable	Nil
1b	Exploration over lease area for geological axis 1 or 2	During the year 2021-22 exploration was proposed by way 01 Bore Holes(210m).	During the year 2021-22, Total 06 Bore holes having 1214m drilling has been carried out.	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Exploration Agency & Expenditures- Not specified.	Exploration agency- M/s Mastan Baba Drilling Solution Expenditures-Rs. 8 lacs	NIL.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal given during the year.	Entire potential mineralized area has been explored under G1/G2 level.	As per recent approved Mod RMP, Mineralised area- 24.30 Hect (Area under G-22.70 hect, G2-2.27 Hect.) Proposal or exploration drilling incorporated during the year 2022-23 to convert G2 area into G1 leve.
1e	Balance reserve as on 01/04/20	The position of reserve as on 01.04.2021 is 2.60 million tonnes as per approved Mod RMP(approved on 15.02.2022)	The position of reserve as on 01.04.2022 2.5 million tonnes.	Nil
lf	General remarks of inspecting officers on geology, exploration etc			No issue observed related to geology & exploration.
Deve	elopment :			
Sl.No.	Item	Propasals	Actual work	Remarks

2a	Location of development w.r.t.lease area	East Deposit- E 315298 to 314850 & N- 2740145 to 2739745	Mine development carried out within proposed area.	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal of top soil generation. Benches have been proposed in mineral and waste both.	No top soil generation. Separate benches have been observed in mineral and benches.	Nil
2c	Stripping ratio or ore to OB ratio	2021-22: 1:5.87	2021-22: 1:5.71	Nil
2d	Quantity of topsoil generation in m3	top soil	No top soil has been generated.	NIL.
2e	Quantity of overburden generation in m3	2021-22: 293360	2021-22: 246190	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Opencast method of the development has been proposed.	Development carried out through open cast method as proposed.	Development has been carried out through open pit. Two pits have been developed for mineral production.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	Nil
3b	Quantity of ROM mineral production proposed	2021-22: Wollastonite - 169114 T	2021-22: Wollastonite - 145500 T	Nil
3с	Recovery of sailable/usable mineral from ROM production	Wollastonite -	2021-22: Wollastonite - 145500 T	Nil
3d	Quantity of mineral reject generation	No proposal.	No mineral reject generation during RY. However, material below threshold value containing low grade Wollastonite is stacked for future use.	Nil

3e	Grade of mineral rejects generation and threshold value declared.		Not applicable as no mineral reject generation during the RY.	NIL.
3f	Quantity of sub grade mineral generation.	Sub-grade mineral is proposed to blend with high grade mineral.	Entire Sub-grade mineral blended with high grade mineral.	Nil
3g	Grade of sub grade mineral generation	Between 30 to 70% CaSiO3.	Between 30 to 70% CaSiO3.	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Manual method.	Manual method of segregation of mineral from ROM.	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No specific proposal of beneficiation study for sub- grade mineral/reject during RY.	No beneficiation study carried out during RY.	NIL.
3j	Provision of drilling and blasting in mineral benches	Wagon drill/jack hammer drill has been proposed along with ANFO explosive.	Drilling and blasting in mineral benches are being practiced as per proposal.	NIL.
3k	Provision of mining machineries in mineral benches	Back hoe, shovel, Blast hole drill, Dozer, Dumper, JCB Loader, Explosive van, etc.	Back hoe, shovel, Blast hole drill, Dozer, Dumper, JCB Loader, Explosive van, etc.	NIL.
31	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of the benches have been proposed to 8 mts.	Height of the benches has been maintained as per proposal	NIL.
Зm	Total area covered under excavation/pits	24.30 hect.	24.30 hect.	Up to year 2021- 22.

3n	Ore to OB ratio for the pit/mine during the year.	2021-22: 1:5.87	2021-22: 1:5.71	Nil
30	Total area put in use under different heads at the end of year	Total- 33.3234 ha	Total- 33.3234 ha	Up to year 2021- 22.
3р	Production of ROM mineral during the last five year period as applicable	2016-17: 182865MT 2017-18: 185291MT 2018-19: 193612MT 2019-20: 201512MT 2020-21: 200241MT 2021-22: 169114MT 2022-23: 140408MT	2017-18: 140829MT 2018-19: 179323MT 2019-20: 121642MT 2020-21: 103590MT 2021-22: 145500MT 20223-23: 98386MT(up to Dec 2022)	Nil
Зq	General remarks of inspecting officers on method of mining etc.	Opencast method of mining has been proposed for the RY.	Opencast method mining was practiced during the RY.	Opencast mechanised mining method adopted which is best suited to the type of deposit. In future proposal of U/G mining method also proposed.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a		top soil and Mineral Reject generation.	Top soil and Mineral Reject has not been generated. Generated waste dumped separately.	NIL.
4b	Location of topsoil, OB and mineral reject dumps	top soil	No top soil and mineral reject generation. Waste dumping as per proposal.	Nil

4c	Number of dumps within lease area and outside of lease area	& F). An old		Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Proposed outside ultimate pit limit.	Done as per proposal.	NIL.
4e	Number of active and alive dumps.	Two.	Two.	NIL.
4f	Number of dead dumps.	One.	One.	Nil
4g	Number of dumps established.	No specific proposal.	Waste dump-D has been stabilized partly.	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposal given.	Retaining wall & garland drain observed at necessary places.	Nil
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall- 330 m Garland drains - 604 m	Retaining wall- 320 m Garland drains - 610 m	Howeve the figures of garland drain proposed & achieved during the year 2021-22 are not correct, hence violation of Rule 26(2) of MCDR 2017 issued vide letter dated 30.01.2023.
4j	Number of settling ponds	No proposal.	Not applicable.	NIL.
4k	Specific comments of inspecting officer on waste dump management			No issue observed related to waste dumping.

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.	After full extraction of mineral backfilling proposed.	During the year 2021-22, backfilling has been carried out as per proposal.	NIL.
5b	Area under backfilling of mined out area	1.0929 hect.	1.0929 hect.	NIL.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal of top soil generation.	No top soil generation.	NIL.
5d	Total area fully reclaimed and rehabilitated	No proposal of full reclamation and rehabilitation of mine out area during the year.	Not applicable.	NIL.
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Backfilling of mined out area has been carried out as per proposal during the reporting year 2021-22.

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).	of MCDR, 2017 holder of mining lease	PMCP report for the year 2021-22 has been submitted.	NIL.
6b	Area available for rehabilitation (ha) .	0.49 hect.	0.49 hect.	Nil
6c	afforestation done (ha).	2021-22: 0.49 hect.	2021-22: 0.49 hect.	Nil
6d	No. of saplings planted during the year	2021-22: 500 nos.	2021-22: 800 nos.	Nil

6e	Cumulative no .of plants	Not specified	Total 34399 nos. up to year 2021-22.	However in submitted PMCP report, cummulative plantation figures at the end of year 2021-22 are not correct, hence violation of Rule 26(2) of MCDR 2017 issued vide letter dated 30.01.2023.
6f	Any other method of rehabilitation		Plantation has been carried out as per proposal.	NIL.
бg	Cost incurred on watch and care during the year	Not specified	Not applicable.	NIL.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	150mx73mx37m	150mx73mx37m	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	1.0929 hect.	1.0929 hect.	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	No proposal	Not applicable	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal making reservoir.	Not applicable	NIL.

61	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No any other specific proposal.	Not applicable as no proposal.	NIL.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	It was proposed to plant 500 numbers of saplings.	During the year 800 number of saplings have been planted.	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.49 hect	0.49 hect.	Nil
60	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation.	Plantation.	Nil
бр	Compliance of environmental monitoring (core zone and buffer zone)	Provision of environment monitoring stations has been given.	Environment monitoring parameters are found to be within permissible limit.	Nil
бq	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			<pre>following discrepancies were observed in submitted report: 1)Cummulative plantation figures at the end of year 2021-22 are not correct. 2)The figures of garland drain proposed & achieved during the year 2021-22 are not correct. hence violation of Rule 26(2) of MCDR 2017 issued vide letter dated 30.01.2023.</pre>

Mineral Conservation:

Sl.No. Item

Propasals

Actual work

Remarks

7a	ROM Mineral dispatch or grade-wise sorting within lease area	sorting within	Grade wise sorting of ROM has been observed in the lease area.	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.	Wollastonite above 35% CaSiO3 and below 35 % CaSiO3.	Wollastonite above 35% CaSiO3 and below 35 % CaSiO3.	Nil
7d	Any beneficiation process at mines	any	No beneficiation process observed at the mine.	NIL.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			There is no issue related to mineral conservation. Mineral/material below threshold value containing low grade Wollastonite is stacked for future use.

Environment:

Sl.No.	Item	Propasals	Actual	work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	top soil	-	soil generated the year.	NIL.
8b	Concurrent use or storage of topsoil			olicable as no top enerated during	NIL.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes.	Dumping per pro	g carried out as oposal.	NIL.

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Use of overburden/ waste rock for backfilling aslo during the reporting year.	As per proposal.	NIL.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Backfilling proposal given of mined out pit.	Backfilling has been carried out as per proposal.	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	It was proposed to plant 500 numbers of saplings during the year.	During the year 800 number of saplings have been planted.	NIL.
8g	Survival rate	No specific proposal of survival rate.	Survival rate for the reporting year was around 90%.	As per AR 2021-22
8h	Water sprinkling on roads to control airborne dust	air born dust	Water sprinkling has been observed during the mine inspection.	NIL.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty is staisfactory in and around mine area.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a		of MCDR, 2017,	Monthly and Annual returns are being submitted timely	Nil

Scrutiny of 9b AR 2021-22. Mining Details are correct Annual return Engineer - Mr. for information Lalit Singh Chundawat. on Mining Engineer, Geologist -Geologist and Mr. Ganpat Singh. Manager Manager - Mr. Amresh Kumar 9c Scrutiny of Covered under The information Nil Annual return on current furnished in respect of land use pattern (O/C)Workings the land use pattern in for area under 24.300, Used annual return appears to pits, reclaimed for waste be correct. area, dumps etc. disposal-4.020, Occupied by plant, buildings, resi dential, welfare buildings & roads-5.003 etc. 9d Scrutiny of Number of Seems corrected Nil Annual return on trees planted afforestation during the year - 800 Survival rate in percentage - 90% 9e No information No mineral reject Scrutiny of Nil Annual return on on mineral generation. mineral reject reject generation generation. (Grade and quantity) 9f Scrutiny of ROM The information NIL. Annual return on Wollastonite furnished appears to be ROM stock and/or closing stock: correct. graded ore 135768.570 tonnes. 9g Scrutiny of Ex- Mine price Found in order. NIL. Annual return on & Production sale value, Ex. cost: 1381.00 Mine price and production cost The information 9h The value of NIL. Scrutiny of Annual return on fixed asset furnished appears to be fixed assets furnished is correct. Rs. 11359428

9k	Scrutiny of Annual return on mining machineries	Air Compressor, Back Hoe, Blast Hole Drill, Dozer, Dumper, Explosive Van, Generator, Rock Drill, Shovel, Water Tanker, Wheel Loader etc.	The information furnished in respect of mining machineries appears to be corrected.	Nil
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Details of violations observed during current inspection and compliance position of violation pointed out						
	n observed		Show couse position			
Rule 1	NO.	Issued on	Compliance or	Rule	NO.	Issued on Compliance on
MCDR17	Rule 26(2)	31-JAN-23				
MCDR17	Rule 31(4)	31-JAN-23				

Date :

(D R GURJAR)

Indian Bureau of Mines