

INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION
MCDR Inspection REPORT
Reporting Year 2022-23
Jabalpur Regional office

General Information

<u>S.N.</u>	<u>Particulars</u>	<u>Details</u>
1	Name of the Mine	Nanhwara Limestone Mines
	Date of Inspection:	22/11/2023
	Name of inspecting Officer	Shri. Kathroju Naveen
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	7.035 Ha (Non Forest)
3	Mine code	38MPR18132
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/4613/2011
5	Name of the Lease, Address, Phone, email and fax number	Ashok Kumar Katare, Mission Chowk, Katni (MP),07622-406607, cimmcolime@gmail.com
6	Village	Nanhwara
7	Taluka/Mandal	Vijayraghav Garh
8	Distict	Katni
9	Pin code	483775
10	State	MP
11	Post Office	Nanhwara Kala
12	Nearest Police Station	Kymore
13	Nearest Railway Station	Jhukehi
14	Date of Grant of Mining Lease	05/12/1975
15	Date of Execution	05/12/1975
16	Date of opening of Mine	15/01/1976
17	Date of First Renewal, if applicable and its period & expiry	05/12/1995 Expiry-04/12/2015 (20 Yrs)
18	Date of Second Renewal, if applicable and its period & expiry	05/12/2015 to 04/12/2025 (10 Yrs)

19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Renewal done
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Ashok Kumar Katare Ashok Kumar Katare, Mission Chowk, Katni (MP),07622-406607, cimmcolime@gmail.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	-
22	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in the mines	Krishna Nand Ojha , Vill/PO-Nanhwara Kala, Teh-Vijayraghav Garh,Katni (MP),8959594130, cimmcolime@gmail.com Date of Appointmet-29/09/2012
23	Name of the Mining Engineer, Qualification and total experiece with address, phone, email, fax number and date of appointment in the mine	Krishna Nand Ojha , Vill/PO-Nanhwara Kala, Teh-Vijayraghav Garh,Katni (MP),8959594130, cimmcolime@gmail.com Date of Appointmet-29/09/2012 Experience-49 Yrs.
24	Whether Geologist and Mining Engineer appointment in mines safety the rule 42 & carrying out their duties as per rule 43 & 44.	Shidhar Pandey (MSc Geology), Date of appointment 16/08/2023, Add.-N3/4 Subh City, Madhav Nagar Katni, 9977807942, cimmcolime@gmail.com
25	Date of Approval of Mine Plan/Modified Mine Plan with five-year period and specific condition in approval letter, if any.	MP/Katni/Limestone/modified.06/02-03 Dt-27/05/2003
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	MP/Katni/Limestone/m.plan/met.11/15-16 Dt-03/12/2015 15/12/2015 to 2020-21 New Review of Mining Plan is approved via letter no.-MP/KATNI/LIMESTONE/RMP-42/2020-21 1654 DT.01-07-2020
27	Mineral (s) granted in lease and approved for Mining	Limestone
28	Method of Mining (Opencast, Underground)	Opencast

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Exploration

S.No	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Not proposed	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	Proposed in G1 level	Explored the lease area under G1 level	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not proposed	Engeo tech jabalpur	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Lease area proposed to explore under G1 level.	Explored the 7.035 ha in G1 level.	
1e	Balance reserves as on 01.04.2023	1,64,387 T	2,82,083 T	
1f		As per the last approved mining plan dated 01.07.2020 the reserves available on 01.04.2020 are 111—4,77,060 T, 122—1,45,703 T total 6,22,133 T out of which it is proposed to produce 457746 T against which only 340050 T produced till 01.04.2023. The reserves are revised with reference to the slope stability study conducted during the RMP.		

Development

S.No	Item	Proposals	Actual Work	Remarks
2a	Location of development w.r.t. lease are	24° 01' 12.056" N to 24° 01' 13.677" N & 80° 32'55.042" E to 80° 33'59.416" E	As per the proposal.	
2b	Separate benches in topsoil, overburden and mineral (Rule 15) Length x Width x Height	Proposed Separate benches	As per the proposal.	
2c	Stripping ratio or ore to OB ratio	1:0.30	1:033	
2d	Quantity of topsoil generation in m3	Not proposed	Nil	
2e	Quantity of overburden generation in m3	41,119 Cu.m	46,080 Cu.m	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The development has been encroached the 7.5 m barrier on the eastern side against which the violation is issued under Rule 11(1).		

Exploitation

S. No	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	1,36,269 T	1,36,070 T	
3c	Recovery of saleable/usable mineral from ROM production	1,36,269 T	1,36,070 T	
3d	Quantity of mineral reject generation	Not proposed	Nil	
3e	Grade of mineral reject generation and threshold value declared	Not proposed	Not applicable.	
3f	Quantity of sub-grade mineral generation	Not proposed	Not applicable.	
3g	Grade of sub-grade mineral generation	Not proposed	Not applicable.	
3h	Manual / Mechanised method adopted for segregating from ROM	Not proposed	Not applicable.	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	Not applicable.	
3j	Provision of drilling & blasting in mineral benches	Yes proposed	As per the proposal	
3k	Provision of mining machineries in mineral benches	Yes proposed	As per the proposal	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	As per the proposal	
3m	Total area covered under excavation/pits	Proposed 6.30 ha area under pits during the proposal period.	6.050 ha	
3n	Ore to OB ratio for the pit/mine during the year	1:0.30	1:0.33	
3o	Total area put in use under different heads at the end of year	6.5965 ha during the plan period.	6.422 ha as on 31.03.2023.	

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3p	Production of ROM mineral during last five-year period, as applicable	2018-2019	197570 T	193090 T
		2019-2020	192160 T	181700 T
		2020-2021	171430 T	187100 T
		2021-2022	150047 T	146220 T
		2022-2023	136269 T	136070 T
		2023-2024(Modified)	143650 T	106780 T
3q	General remarks of inspecting officer on method of mining etc.			

Solid Waste Management-Dumping

<u>S.No</u>	<u>Item</u>	<u>Proposals</u>	<u>Actual Work</u>	<u>Remarks</u>
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	OB dumping proposed	The waste is observed as backfilling into the pit	Against which the violation issued under Rule 11(1).
4b	Location of topsoil, OB & mineral reject dumps	Proposed Waste dump in the Southern side of the lease	The waste is observed as backfilling into the pit	Against which the violation issued under Rule 11(1).
4c	Number of dumps within lease area and outside lease area	02 within the lease	As per the proposal.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Proposed in 7.5m	As per the proposal and some part of the dump slid	Against which the violation issued under Rule 11(1).
4e	Number of active & alive dumps	02	02	
4f	Number of dead dumps	Not proposed	Nil	
4g	Number of dumps stabilised	Not proposed	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Not proposed	Nil	
4i	Length of Retaining wall or garland drain all along dump	Not proposed	Nil	
4j	Number of settling ponds	Not proposed	Nil	
4k		The waste is observed as backfilling into the pit against which the violation issued under Rule 11(1).		

Solid Waste Management-Backfilling

<u>S.No</u>	<u>Item</u>	<u>Proposals</u>	<u>Actual Work</u>	<u>Remarks</u>
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Pit has reached the UPD. Back filling not proposed in 2022-23.	Some portion of dump has slid into the pit	Against which the violation issued under Rule 11(1).
5b	Area under backfilling of mined out area	Not proposed	Some portion of dump has slid into the pit	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed	NA	
5d	Total area fully reclaimed & rehabilitated	Not proposed	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc			

Progressive Mine Closure Plan

<u>S.No</u>	<u>Item</u>	<u>Proposals</u>	<u>Actual Work</u>	<u>Remarks</u>
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2). Details should be given in the format as given in Annexure-20.	Yes to be submitted	Submitted	
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	Not proposed. Not proposed. Not proposed. Not proposed. Not proposed. Not proposed.	Nil Nil Nil Nil Nil Nil	
6c	Compliance on reclamation and rehabilitation by backfilling			

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	i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	Not proposed. Not proposed. Not proposed. Not proposed. Not proposed.	Nil Some portion of dump slid into the pit Nil Nil Nil	Against which the violation issued under Rule 11(1).
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	61 Not proposed Plantation	120 Within the laease and 80 outside the lease	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Within the limit	
6f	General remarks of inspecting officer on PMCP compliance & progressive			

Mineral Conservation

<u>S.No</u>	<u>Item</u>	<u>Proposals</u>	<u>Actual Work</u>	<u>Remarks</u>
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM dispatch proposed	As per the proposal	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not proposed	Nil	
7c	Different grade of mineral sorted out at mines	Not proposed	Nil	
7d	Any beneficiation process at mines	Not proposed	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues			

Environment

<u>S.No</u>	<u>Item</u>	<u>Proposals</u>	<u>Actual Work</u>	<u>Remarks</u>
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	Nil	
8b	Concurrent use or storage of topsoil	Not proposed	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed separate dumps for the waste.	Waste dumping in dumps and backfilling.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	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 & additional plantation		1300 within the lease 1130 outside the lease as per the data furnished in the annual return.	
8g	Survival rate	Not proposed	80%	
8h	Water sprinkling on roads to control airborne dust	Yes	As per the proposal	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are			

Compliance of rule 45

<u>S.No</u>	<u>Item</u>	<u>Comments</u>		<u>Remarks</u>
9a	Status of submission of Monthly and Annual returns	Monthly returns and annual returns submitted.		
<u>S.N.</u>	<u>Item</u>			<u>Remarks</u>
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer in charge: Krishnanand ojha Geologist in charge : Nikhil Gadikar	Mining Engineer in charge: Krishnanand ojha Geologist in charge : Sridhar Pandey	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	1. Covered under current (O-C) Workings 6.050 2. Reclaimed-rehabilitated 1.890 Used for waste disposal 0.650 3. Used for any other purpose (specify) Mineral Storage , Top Soil Preservation. 0.230 4. Work done under progressive mine closure plan during the year 1.890		
9d	Scrutiny of Annual return on afforestation	Number of trees planted during the year Within the lease 120 Outside the lease 80		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Not reported		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	SMS grade 360.845 T as per the returns.		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Sale value furnished 356.27(ranging from 308 to 450) Ex mine price reported 356.27.		
9i	Scrutiny of Annual return on fixed assets	Value of Fixed Assets 1965715/-		
9k	Scrutiny of Annual return on mining machineries	1.BACK HOE 0.900 CUM 2 2.DUMPER 25.000 TONNE 6 3.AIR COMPRESSOR 385.000 CUM/MN 1 4. PUMPS (ELEC.) 1080.000 L/MN 2		

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S.No	Violation Under Rule	Issued on	Compliance Received	SCN Issued on	Compliance Received
01	11(1)	25.01.2024	05.03.2024	-	-
02	24(1)	25.01.2024	05.03.2024	-	-
02	31(4)	25.01.2024	05.03.2024	-	-