

MCDR INSPECTION REPORT**General**

S.N.	Particulars	Details
1	Name of the Mine	Nanhwara Limestone Mines
	Date of Inspection:	01/08/2024
	Name of inspecting Officer	Robert Simon C
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	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Ashok Kumar Katare, Mission Chowk, Katni (MP),07622-406607, cimmcolime@gmail.com
21	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 Appointment-29/09/2012
22	Name of the Mining Engineer, Qualification and total experience 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 Appointment-29/09/2012 Experience-50 Yrs.
23	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 Date of Appointment-16/08/2023
24	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
25	Date of Approval of Scheme of Mining/Modified Scheme of Mining	MP/Katni/Limestone/m.plan/met.11/15-16 Dt-03/12/2015 15/12/2015 to 2020-21

	with five-year period and specific condition in approval letter, if any.	New Review of Mining Plan is approved via letter no.- MP/KATNI/LIMESTONE/RMP-42/2020-21 1654 DT.01-07-2020 , Approval of Modif. Of Min. plan via letter no.- E 9051 MCDR-MPCOLST/63/2023-JBP-IBM-RO-JBP Dated-30/01/2024 (Validity-04/12/2025)
26	Mineral (s) granted in lease and approved for Mining	Limestone
27	Method of Mining (Opencast, Underground)	Opencast
28	Category (Fully Mechanized, Others of Manual)	A
29	Captive/ Not-Captive	Non-Captive

Exploration

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year(2022-23)	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2. (2023-24)	Nil	Nil	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Entire lease area under G1	Entire lease area already explored under G1	
1e	Balance reserves & resource as on 01.04.2024	111-635338.15 T	111-528558.15 T	CaO Min 35.40 Max 48.60 Avg 43.34 MgO Min 2.60 Max 8.60 Avg 4.06 SiO2 Min 4.46 Max 14.20 Avg 8.95.
1f	General remarks of Inspecting officer on geology, exploration etc.	The ML area Stratiform, Stratabound and Tabular Deposits of regular Habit i.e. present and nearby working mines has been proved for G1category .The area is contiguous with 11.833 ha lease of the same lessee and also surrounded by other working mines of limestone.		

Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	N 545 – N 680 & E 500- E 630.	N 545 – N 680 & E 480- E 470	Violation pointed out under rule 11(1).
2b	Separate benches in topsoil overburden and mineral (Rule 15)	9 Benches	9 Benches	Only Production benches
2c	Stripping ratio or ore to OB ratio	1:0.60	1:0.60	
2d	Quantity of topsoil generation in m ³ (2023-24)	0	0	
2e	Quantity of overburden generation in m ³ (2023-24)	43347.22	32140	

2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	It was proposed to carryout development/excavation in the eastern part of the lease between the local-coordinates N 545 – N 680 & E 500- E 630. But during the year, the said development was observed between N 545 – N 680 & E 480- E 470 resulting in lateral deviations towards the eastern part of the lease area. Hence, violation pointed out under rule 11(1).
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Exploitation

S.N.	Item	Proposals	Actual Work	Remarks	
3a	Number of pits proposed for production	One	One		
3b	Quantity of ROM mineral production proposed (2023-24)	143650.69 T	106780 T		
3c	Recovery of Salable/usable mineral from ROM production	100 %	100 %		
3d	Quantity of mineral reject generation	Not Proposed	Nil		
3e	Grade of mineral reject generation and threshold value declared	Not Proposed	Nil		
3f	Quantity of sub-grade mineral generation	Not Proposed	Nil		
3g	Grade of sub-grade mineral generation	Not Proposed	Nil		
3h	Manual/Mechanized method adopted for segregation from ROM	Not Proposed	Not done		
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Proposed	Not done		
3j	Provision of drilling & blasting in mineral benches	Wagon Drill & Jack Hammer	Wagon Drill & Jack Hammer		
3k	Provision of mining machineries in mineral benches	HEMM with Dumpers	HEMM with Dumpers		
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	5-6m	5-6m		
3m	Total area covered under excavation /pits (2023-24)	6.05 ha	5.67 ha		
3n	Ore to OB ratio for the pit/mine during the year (2023-24)	1:0.60	1:0.60		
3o	Total area put in use under different heads at the end of year (2023-24)	6.422 ha	5.93 ha		
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20	192160	181700	
		2020-21	171430	187100	
		2021-22	150047	146220	
		2022-23	136269	136070	
		2023-24	143650.69	106780	
3q	General remarks of inspecting officer on method of mining etc				

Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	OB dumping at southwest part of the lease	OB dumping at southwest part of the lease	
4b	Location of topsoil, OB & mineral reject dumps	OB-SW Mineral Reject -Nil	OB-SW	
4c	Number of Dumps within lease area and outside lease area	WL-Backfilling Outside Lease-Nil	WL-SW Above Backfilling	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	SW	SW	
4e	Number of Active & Alive dumps	01	01	
4f	Number of deed dumps	Nil	Nil	
4g	Number of dumps established	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Not specified	Provided all along E,N & W boundary	
4i	Length of Retaining wall or garland drain all along dump	Not specified	Garland drain constructed	Cumulative-560 m.
4j	Number of settling ponds	Not specified	One	
4k	Specific commends of inspecting officer on waste dump management			

Solid Waste Management-Backfilling

S.N.	Item	Proposals	Actual Work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Proposed to work up to RL 336	Achieved RL 336 after excavation	
5b	Area under backfilling of mined out area	Not specified	0.024 ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Over backfilled area	Over backfilled area & 7.5m barrier zone	
5d	Total area fully reclaimed & rehabilitated	Not specified	0.024 ha	
5e	General remarks of inspecting officer on backfilling, reclamation etc			

Progressive Mine Closer Plan

S.N.	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 26(2). Details should be given in the format as given in Annexure-20	Yes	Submitted	
6b	Management of worked/mined out benches			

	i) Area available for rehabilitation (Ha)	NA	NA	Cumulative 1.5026
	ii) Afforestation done (ha)	0.23	0.24	Cumulative 0.855
	iii) No. of saplings planted during the year	WL-475 OL-0	WL-480 OL-10	
	iv) Cumulative no. of plants	Not Proposed	WL-1800 OL-1210	3010
	v) Any other specific method of rehabilitation	Not Proposed	Not done	
	vi) Cost incurred on watch & care during the year	Not Proposed	Rs. 102000/-	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L*B*D) ii) Void filled by waste/tailings iii) Afforestation on the backfilling iv) Rehabilitation by making water reservoir v) Any other specific means	Not Proposed	480 Nos. Trees Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	Not proposed	Within lease there is no waste land	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Monitoring proposed	Yearly monitoring of air, water & noise carried out.	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	PMCP compliance & progressive closer operations are inline with the approved proposals.		

Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM mineral dispatch proposed	ROM mineral dispatch	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not proposed	Not done	
7c	Different grade of mineral sort out at mine	Not proposed	Not done	
7d	Any beneficiation process at mines	Not proposed	Not done	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No beneficiation proposed. ROM mineral dispatch done.		

Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Not proposed in the Modified mining plan.	Top soil already spreaded over backfilled area for plantation	
8b	Concurrent use or storage of topsoil	Not proposed	Already Spreaded over backfilled area for plantation	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Backfilling in South & South West part of lease.	Backfilling done in South & South West mined out area.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Backfilling in South & South West part of lease.	Backfilling done in South & South West mined out area.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposed	Total waste stock South West lease area	Backfilled area will be rehabilitated by plantation
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	WL-475 OL-0	480 Nos. 10 Nos.	Cumulative-WL-1800 Nos. OL-1210 Nos.
8g	Survival rate	80%	72%	
8h	Water sprinkling on roads to control airborne dust	Proposed	Carried ou	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area			

Compliance of Rule 45

S.N.	Item	Proposal	Actual Work	Remarks
9a	Status of submission of monthly and Annual returns	Proposed	Submitted online.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager – Provided Mining Engineer- Provided Geologist- Provided	Manager & Mining Engineer in charge: Krishna nand ojha Geologist in charge : Shridhar Pandey.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Already exploited and abandoned by opencast (O-C) mining 0.000 (ii) Covered under current (O-C) 5.670 (iii) Reclaimed- 1.761 (iv) Used for waste disposal 0.000 (v) Occupied by plant, buildings, residential, welfare buildings and roads 0.049	The details wrt to work done under progressive mine closure plan during the year is incorrectly furnished.	Violation pointed out under rule 45(7).

		(vi) Used for any other purpose (specify) Mineral storage 0.220 (vii) Work done under progressive mine closure plan during the year 1.890		
9d	Scrutiny of Annual return on afforestation	i) Number of trees planted during the year 100 10 ii) Survival rate in percentage 72 80 iii) Total no. of trees at the end of the year 480 1210	The details wrt to total no.of trees at the end of the year is incorrectly furnished.	Violation pointed out under rule 45(7).
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Given	Closing stock as on 01/04/2024 – 1850.765 T (ROM) SMS Grade	
9g	Scrutiny of Annual return on sale value, Ex-Mine price & production costs	Given	Sale Value- Rs.- 385.76 /MT Ex-Mine-Rs.- 385.76 /MT Production Cost-Rs.- 236.69 /MT	SMS Grade Sold Ex-Mine ROM
9i	Scrutiny of Annual return on Fixed assets	Given	Rs.2777190	
9k	Scrutiny of Annual return on mining Machineries	Given	Excavators-2 Nos. (0.9 m3 Bucket) Dumper -6 Nos. (25 MT Cap.)	

Date of Validations observed during current inspection and compliance position of earlier violation pointed out:-

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
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
Rule 11(1)	08-NOV-24				
Rule 45(7)	08-NOV-24				

Date -

Name:
Designation: