

**INSPECTION DATASHEET For The Year 2023-24****General**

S.N.	Particulars	Details
1	Name of the Mine	Baragaon Limestone and Dolomite mine
	Date of Inspection:	29.06.2024
	Name of Inspecting Officer	Shri Abhishek Ranjan Gautam, Assistant Mining Engineer
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	5.97
3	Mine code	38MPR47136
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/17464/2014
5	Last Inspection Details	27.09.2023
6	Mine official present during the inspection	Shri Ankit Goenka, Shubham Sahu
7	Name of the Lease, Address, Phone, email and fax number	Badagaon Mine, Village-Badagaon, Tehsil-Badwara, District-Katni(MP), aschokchunawala5555@yahoo.com, 9165420366
8	Village	Baragaon
9	Taluka/Mandal	Badwara
10	District	Katni
11	Pin code	483501
12	State	Madhyapradesh
13	Post Office	Deorihatai
14	Nearest Police Station	Badwara
15	Nearest Railway Station	Rupondh
16	Date of Grant of Mining Lease	02.12.2008
17	Date of Execution	05.09.2009 Lease period – 05/09/2009 to 04/09/2059
18	Date of opening of Mine	Information not provided
19	Date of First Renewal, if applicable and its period & expiry	22.02.2017
20	Date of Second Renewal, if applicable and its period & expiry	Not applicable
21	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not applicable
22	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mr. Ashok kumar Goneka, Legal Hair-Ankit Goenka, Goenka Bhawan station Road, Katni, MOB-9165420366
23	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Shubham Sahu Katni (M.P.)-9399774435, Email-sssahu117@gmail.com, 22.06.2024

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24	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Shri Harsh Mishra, Manager
25	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Name-Harsh Mishra, Qualification-B.tech Mining Engineering Degree, Adderes-Aadarsh Colony Katni(MP) and Date of appointment -15.06.2021, Mob -
26	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Mr.Vishal Soni Geologist,M.sc, Dateof appointment-01.07.2024, Mob – 8878342885 Email – vishalsoni68974@gmail.com
27	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	MP/KATNI/LIMESTO NE/MPLN/G-26/08-09 dated 22/04/2009
28	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	No. E 8942 MCDR-MPCOLST/55/2023-JBP-IBM_RO_JBPDate-30-01.2024
29	Mineral(s) granted in lease and approved for Mining	Limestone and Dolomite
30	Method of Mining (Opencast, Underground)	Opencast
31	Category (Fully Mechanized, Others or Manual)	Manual
32	Captive/Non-Captive	Non-Captive

**Exploration**

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Nil	Nil	-
1b	Exploration over lease area for Geological axis 1 or 2.	G1	Lease area already explored upto G1 level	-
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not specified	0.91 Lakh	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Nil	Nil	-
1e	Balance reserves as on 01.04.2023	496706.060 ton		
1f	General remarks of Inspecting officer on geology, exploration etc.	On the basis of exploration entire area has been considered under G1 category of UNFC upto drilled depth. The limestone is grey in color, massive, compact and fine grained. Small quartz vein, traversing the limestone and dolomite within the area. The area is replete with solution cavities and sub-terrain canyons which are common in lime stone country. These cavities are invariably filled with waste material such as clay, sand kanker and ferruginous limestone.		

Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Working Was Proposed to be done in Pit No.1 towards N-E	Work Done as per proposal	-
2b	Separate benches in topsoil overburden and mineral (Rule 15)	bench was proposed made in limestone and Dolomite bearing formation	One bench for OB and One bench for Limestone.	-
2c	Stripping ratio or ore to OB ratio	1:7.20	1:7.20	-
2d	Quantity of topsoil generation in m <sup>3</sup>	Not proposed	Not applicable	-
2e	Quantity of overburden generation in m <sup>3</sup>	1698	1475	-
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Work Done as per proposal.		

Exploitation

S.N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	One pit	One pit	
3b	Quantity of ROM mineral production proposed (2023-24)	2123 Tones	1544 Tones	
3c	Recovery of Salable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	Nil	Nil	
3h	Manual/Mechanized method adopted for segregation from ROM	Mechanized	Mechanized	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	Not carried out	
3j	Provision of drilling & blasting in mineral benches	Proposed	Drilling & blasting carried out in mineral benches	
3k	Provision of mining machineries in mineral benches	Mining was proposed to be carried out by using excavator/loader & dumper	As per proposal	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Suitable	
3m	Total area covered under excavation /pits	1.9196	2.43 ha	
3n	Ore to OB ratio for the pit/mine during the year	1:7.20	1:7.20	

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3o	Total area put in use under different heads at the end of year	3.44 ha		2.864 ha	
3p	Production of ROM mineral during last five-years period, as Applicable	Year	Proposal (ton)	Achievement (ton)	
		2019-20	Limestone-1762.00	Limestone-1549.00	
			Dolomite-13070.00	Dolomite-10768.00	
		2020-21	Limestone-1955.00	Limestone-1457.00	
			Dolomite-14507.00	Dolomite-0.00	
		2021-22	Limestone-1978.00	Limestone-1542.00	
Dolomite-14673.00	Dolomite-9244.00				
2022-23	Limestone-1775.00	Limestone-1701.14			
	Dolomite-13170.00	Dolomite-11280.800			
2023-24	Limestone-2123	Limestone-1544			
	Dolomite-15753	Dolomite-11456.000			
3q	General remarks of inspecting officer on method of mining etc	No comments			

#### Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Proposed	Practice adopted	-
4b	Location of topsoil, OB & mineral reject dumps	OB dumps near 23°6825'N 80°4834'E	04 small dumps observed near proposed location.	-
4c	Number of Dumps within lease area and outside lease area	04	04	-
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	within UPL	within UPL	-
4e	Number of Active & Alive dumps	04	04	-
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 proposed	Garland drain - 400 m (approx. 1m x 1.5 m)	-
4i	Length of Retaining wall or garland drain all along dump	Garland drain around the working pit of the lease area - 300(meters)	Garland drain - 400 m (approx. 1m x 1.5 m)	
4j	Number of settling ponds	Nil	Nil	
4k	Specific commends of inspecting officer on waste dump management	Total 04 small temporary dumps observed near proposed location.		

**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	Full extraction proposed	Full extraction adopted.	-
5b	Area under backfilling of mined out area	Not specified	Not done	Backfilling not done in the 0.022 ha barrier zone. Violation pointed out
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed	Not applicable	-
5d	Total area fully reclaimed & rehabilitated	Nil	0.035 ha zone.	-
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling not done in the 0.022 ha barrier zone. Violation pointed out.		

**Progressive Mine Closer Plan**

S.N.	Item	Proposals	Actual Work	Remarks
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	NIL	NIL	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (Ha)	NIL	NIL	
	ii) Afforestation done (ha)	0.12 ha	0.06 ha	
	iii) No.of saplings planted during the year	200	140	
	iv) Cumulative no. of plants	Not specified	140	
	v) Any other specific method of rehabilitation	NIL	NIL	
	vi) Cost incurred on watch & care during the year		20000/-	
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	NIL	NIL	

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6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	NIL	NIL	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Proposed	Carried out	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	PMCP operations are carried out as per 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	ROM mineral dispatch	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sort out at mine	Not specified	Cement grade	
7d	Any beneficiation process at mines	Not proposed	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	ROM (Limestone) dispatched to domestic users directly as merchant miner.		

### Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Not proposed	NIL	
8b	Concurrent use or storage of topsoil	Not proposed	NIL	

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8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Yes	04 Overburden dumps observed in lease area.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	Backfilling adopted for restoration.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	Backfilling adopted for restoration.	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	200	140	
8g	Survival rate	80%	55%	
8h	Water sprinkling on roads to control airborne dust	Water Sprinkling	Water tanker used for sprinkling on roads to control airborne dust	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Plantation observed on the dump area and statutory barrier of 7.5 m around the lease area.		

**Compliance of Rule 45**

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	Monthly and annual returns are being submitted in time	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer - Shri Harsh Mishra Geologist – Shri Vinod Kushwaha	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(i) Already exploited and abandoned by opencast (O-C) mining 0.000 0.000 0.000 (ii) Covered under current (O-C) Workings 0.000 2.430 2.430 (iii) Reclaimed-rehabilitated 0.000 0.000 0.000 (iv) Used for waste disposal 0.000 0.000 0.000 (v) Occupied by plant, buildings, residential, welfare buildings and roads 0.000 0.306 0.306 (vi) Used for any other purpose (specify) Dump area 0.000 0.131 0.131 (vii) Work done under progressive	

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		mine closure plan during the year 0.000 0.000 0.000	
9d	Scrutiny of Annual return on Afforestation	Plant – 140 nos. Survival rate – 55%	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Closing Stock – 2317 tones	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex. Mine price – Rs 500/- production costs – Rs 434/-	
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets* (₹ 1598920)	
9k	Scrutiny of Annual return on mining Machinerries	Contractual basis.	

Details of Validations observed during current inspection and compliance position of earlier violation pointed out:-Details is given below:

1. Rule 11(1) of MCDR 2017 dated 14-07-2024
2. Rule 31(4) of MCDR 2017 dated 14-07-2024
3. Rule 33 of MCDR 2017 dated 14-07-2024

Date: 09-08-2024

Name:

Shri Abhishek Ranjan Gautam

Designation: Assistant Mining Engineer