

**INDIAN BUREAU OF MINES**  
**MINERALS DEVELOPMENT AND REGULATION DIVISION**  
**MCDR Inspection REPORT**  
**Jabalpur Regional office**

**Mine code: 38MPR18105**

(i)	Name of Inspecting officer	:	Kathroju Naveen
(ii)	Designation	:	Senior Assistant Controller of Mines
(iii)	Accompanying mine official with Designation	:	Miryunjoy Prasad Mining Engineer
(iv)	Date of Inspection	:	28/06/2024
(v)	Previous Inspection date	:	28/04/2022

**PART-I: GENERAL INFORMATION**

1	(a)	Mine Name	:	Chandan Limestone & Dolomite Mine
	(b)	Registration Number	:	IBM/6898/2011
	(c)	Category	:	B Category
	(d)	Type of Working	:	Manual
	(e)	Postal address	:	M/s Shree Kamal Lime Industries Station Road Katni-483501
		State	:	Madhya Pradesh
		District	:	Katni
		Village	:	Chandan
		Taluka	:	Badwara
		Post Office	:	Raupond
		Pin code	:	483337
		Fax	:	
		email	:	bagaria_group@rediffmail.com
		Phone No	:	+919893158602
	(f)	Police Station	:	Badwara
	(g)	First Opening date	:	27.03.1982
	(h)	Weekly day of rest	:	
2		Address for Correspondence	:	M/s Shree Kamal Lime Industries Station Road Katni-483501
3	(a)	Lease Area	:	Total Lease Area-5.065 ha Forest Land-nil Non Forest Land-5.065 ha
	(b)	Period of lease	:	50 Years
	(c)	Date of Expiry	:	26-03-2032
4		Mineral Worked (Main)	:	Limestone & Dolomite
5		Name of address of the Lessee with Phone, email and fax number	:	<b>Name-</b> M/s Shree Kamal Lime Industries <b>Address-</b> Station Road Katni-483501 <b>Phone:</b> +919893158602 <b>Email:</b> bagaria_group@rediffmail.com

	Name of address of the Owner/Nominated Owner with Phone, email, fax number and Date of appointment	:	-
	Name of address of the Agent with Phone, email, fax number and Date of appointment	:	-
	Name of address of the Manager with Phone, email, fax number and Date of appointment	:	-
	Mining Engineer Name Qualification Date of Appointment	:	<b>Name-</b> Miryunjoy Prasad <b>Qualification-</b> Bachelor
	Geologist Name Qualification, Date of Appointment	:	<b>Name-</b> Srinivas Mishra <b>Qualification-</b> M.Sc
6	Date of approval of Mining Plan/Review of Mining Plan etc.	:	20/06/2022

## PART- II: OBSERVATION/COMMENTS OF INSPECTING OFFICERS

### Exploration

S.N o	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Not Attended	Nil	Exploration has not been carried out as proposed against which Violation issued Under Rule 11(1).
1b	Exploration over lease area for Geological axis 1 or 2	G1	G1	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Lessee Himself	Lessee Himself	
1d	Balance area to be explored to bring the Geological axis in 1 or 2.	Nil	Nil	
1e	Balance reserves as on 01.04.2024	15051 TONNE	15051 TONNE	
1f	General remarks of Inspecting officer on geology, exploration etc.	The lease area has Mahakaushal Formation of middle Proterozoic in age and major rocks are Limestone along very thin bands of Dolomite and Phyllites. From litho set up point of view the N/NW part has Phyllite band (laterally) and this band is approx. 70-80m in width and band has strike NE-SW to ENE to WSW & dipping 55 to 60° towards S.		

### Development (2023-24)

S.N	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Proposed at the centre	As per proposal	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Nil	Nil	
2c	Stripping ratio or ore to OB ratio	1:0.07	1:0.07	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	291	285	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.			

### Exploitation FY 2023-24

S. N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	ROM-4142onne	ROM-4035Tonne	
3c	Recovery of Salable/usable minerals from ROM production	Limestone-3885Tonne	Limestone-3785Tonne	
3d	Quantity of mineral reject generation	Not Proposed	N.A.	
3e	Grade of mineral reject generation and threshold value declared	Not Proposed	N.A.	

3f	Quantity of sub-grade mineral generation	Not Proposed		N.A.	
3g	Grade of sub-grade mineral generation	Not Proposed		N.A.	
3h	Manual/ Mechanized method adopted for segregation from ROM	Manual method		Manual method	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Proposed		N.A.	
3j	Provision of drilling & blasting in mineral benches	Proposed		Done as per proposal	
3k	Provision of mining machineries in mineral benches	Proposed		Done as per proposal	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3-4 mt height in ROM		3-4 mt height in ROM	
3m	Total area covered under excavation /pits (Ha.)	0.3949		0.3849	
3n	Ore to OB ratio for the pit/mine during the year	1:0.07		1:0.07	
3o	Total area put in use under different heads at the end of year	0.9459 HA		0.9359 HA	
3p	Production of ROM mineral during last five-years period, as Applicable	2022-23	Limestone-2590	Limestone-300	
		2023-24	Limestone-3885Tonne	Limestone-3785Tonne	
3q	General remarks of inspecting officer on method of mining etc.				

**Solid Waste Management-Dumping (FY2023-24)**

S.N .	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Not Proposed	N.A.	
4b	Location of topsoil, OB & mineral reject dumps	Not Proposed	N.A.	
4c	Number of Dumps within lease area and outside lease area	Not Proposed	N.A.	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Not Proposed	N.A.	
4e	Number of Active & Alive dumps	2 NOS	2 NOS	
4f	Number of dead dumps	Not Proposed	N.A.	
4g	Number of dumps established	Not Proposed	N.A.	
4h	Whether Retaining wall or garland drain all along dumps are there	Garland drain Proposed	Not done	Violation issued Rule 11(1).
4i	Length of Retaining wall or garland drain all along dump	Garland drain-60 MT	Not done	Violation issued Rule 11(1).
4j	Number of settling ponds	Not Proposed	N.A.	

4k	Specific comments of inspecting officer on waste dump management	50 m of retaining wall and 60 m of garland drain proposed during the Reporting year which has not been carried out against which the violation issued under Rule 11(1).
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**Solid Waste Management-Backfilling (FY 2023-24)**

S.N .	Item	Proposals	Actual Work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Nil	Nil	
5b	Area under backfilling of mined out area	0.05	0.05	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not Proposed	N.A.	
5d	Total area fully reclaimed & rehabilitated (Ha)	0.05	0.05	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Back filling has not been proposed for the Reporting Year		

**Progressive Mine Closure Plan (FY 2023-24)**

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	Proposed	Yes	

6b	Area available for rehabilitation (Ha)	0.05	0.05	
6c	Afforestation done (ha)	0.189	0.189	
6d	No. of saplings planted during the year	210	Nil	
6e	Cumulative no. of plants	420	210	
6f	Any other specific method of rehabilitation	0.05	0.05	
6g	Cost incurred on watch & care during the year	11000	10000	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	Not Proposed	N.A.	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	1500	1500	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area.			
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir.	Not Proposed	N.A.	
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	Not Proposed	N.A.	
6m	Compliance of Rehabilitation of waste land within lease (i) Afforestation	Not Proposed	N.A.	
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	Not Proposed	N.A.	
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	Not Proposed	N.A.	
6p	Compliance of Environment monitoring (core zone & buffer zone)	Proposed	Done	

6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Plantation has not been carried out as proposed against which the violation is pointed out under Rule 11(1).
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### **Mineral Conservation (FY 2023-24)**

S.N .	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM distpatch	ROM 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 Proposed	N.A.	
7d	Any beneficiation process at mines	Not Proposed	N.A.	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Produced ROM s being dispatched.		

### **Environment (FY 2023-24)**

S. N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Not Proposed	N.A.	
8b	Concurrent use or storage of topsoil	Not Proposed	N.A.	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Not Proposed	N.A.	
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	Not Proposed	N.A.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	N.A.	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	By Green belt 210 nos of plan	Nil	
8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	Proposed	Maintained as per proposal	
8i	General remarks of inspecting	Plantation has not been carried out as proposed		



	officer on aesthetic beauty in and around mine area	against which the violation is pointed out under Rule 11(1).
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**Compliance of Rule 45 (2023-24)**

S.N	Item	Comments			Remarks
9a	Status of submission of monthly and Annual returns	Yes			
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer : Mirtyunjoy Prasad Geologist : Srinivas Mishra			
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(i) Covered under current (O/C) Workings = 1.50 ha. (ii) Used for waste disposal 0.190 ha (iii) Occupied by plant, buildings, residential, welfare buildings & roads: 0.3 ha.			
9d	Scrutiny of Annual return on afforestation	Reported 300			Violation is pointed out under Rule 11(1).
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil			
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Limestone Stock reported 594.371 T Dolomite Stock Reported 17514.755 T			
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex Mine price reported 320& 300/-			
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets ₹ 5146192/-			
9k	Scrutiny of Annual return on mining Machineries	Equipment	Capacity	No of Units	
		Water Tanker	5000 Ltrs	01	

S.No	Violation Under Rule	Issued on	Compliance Received	SCN Issued on	Compliance Received
01	11(1)	20/08/2024	04/11/2024	08/11/2024	14/12/2024
02	31(4)	20/08/2024	04/11/2024	08/11/2024	14/12/2024
03	34(A)	20/08/2024	04/11/2024	08/11/2024	14/12/2024

04	45(7)	20/08/2024	04/11/2024	08/11/2024	14/12/2024
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**Kathroju Naveen**  
Senior Assistant Controller of Mines