

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

Mine code:
38MPR18091

(i)	Name of Inspecting officer	:	Shri Kathroju Naveen
(ii)	Designation	:	Sr. Assistant Controller of Mines
(iii)	Accompanying mine official with Designation	:	Aditya Bagaria (Lessee Representative) Digvijay Singh (Qualified Person)
(iv)	Date of Inspection	:	25/10/2024
(v)	Previous Inspection date	:	---

PART-I: GENERAL INFORMATION

1	(a)	Mine Name	:	Rajarwara Limestone Mine
	(b)	Registration Number	:	IBM/6898/2011
	(c)	Category	:	B
	(d)	Type of Working	:	Open cast
	(e)	Postal address	:	Shri Kishore Kumar Bagaria (Lease holder); M/s Shree Kamal Lime Industries; Station Road, Katni (M.P.) - 483501 E-mail – bagaria_group@rediffmail.com
		State	:	Madhya Pradesh
		District	:	Katni
		Village	:	Rajarwara
		Taluka	:	Vijayraghgarh
		Post Office	:	Vijayraghgarh
		Pin code	:	483501
		Fax	:	--
		email	:	bagaria_group@rediffmail.com
		Phone No	:	9893158602
	(f)	Police Station	:	Vijayraghgarh
	(g)	First Opening date	:	NA
	(h)	Weekly day of rest	:	Sunday
2		Address for Correspondence	:	
3	(a)	Lease Area	:	3.73
	(b)	Period of lease	:	50 Years
	(c)	Date of Expiry	:	05.12.2045
4		Mineral Worked (Main)	:	
5		Name of address of the Lessee with Phone, email and fax number	:	Shri Kishore Kumar Bagaria (Lease holder); M/s Shree Kamal Lime Industries; Station Road, Katni (M.P.) - 483501 E-mail – bagaria_group@rediffmail.com

	Name of address of the Owner/Nominated Owner with Phone, email, fax number and Date of appointment	:	Shri Kishore Kumar Bagaria (Lease holder); M/s Shree Kamal Lime Industries; Station Road, Katni (M.P.) - 483501 E-mail – bagaria_group@rediffmail.com
	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	:	Name- Miryunjoy Prasad Qualification- Bachelor
	Geologist Name Qualification, Date of Appointment	:	Name- Srinivas Mishra Qualification- M.Sc
6	Date of approval of Mining Plan/Review of Mining Plan etc.	:	12/01/2021

PART- II: OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration:

S.No	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Proposed 04 holes in 2020-21	Not carried out	Violation pointed out under Rule 12(4)
1b	Exploration over lease area for Geological axis 1 or 2	G1	G2	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not proposed	NA	
1d	Balance area to be explored to bring the Geological axis in 1 or 2.	G2 3.73	G2:3.73	
1e	Balance reserves as on 01.04.2024			
1f	General remarks of Inspecting officer on geology, exploration etc.	The lease area has not been explored as proposed against which the violation is issued under Rule 12(4).		

Development (2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Proposed at the centre of the lease	As per the proposal	

2b	Separate benches in topsoil overburden and mineral (Rule 15)	Proposed	As per the proposal	
2c	Stripping ratio or ore to OB ratio	1:0.06	1:0.04	
2d	Quantity of topsoil generation in m3	Not proposed	NA	
2e	Quantity of overburden generation in m3	741	659	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Against the proposed 741 cu.m 659 cum waste is handled.		

3. Exploitation FY 2023-24

S. N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	13900	13600	
3c	Recovery of Salable/usable minerals from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Not proposed	NA	
3e	Grade of mineral reject generation and threshold value declared	Not proposed	NA	
3f	Quantity of sub-grade mineral generation	Not proposed	NA	
3g	Grade of sub-grade mineral generation	Not proposed	NA	
3h	Manual/Mechanized method adopted for segregation from ROM	Not proposed	NA	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	NA	
3j	Provision of drilling & blasting in mineral benches	Not proposed	NA	
3k	Provision of mining machineries in mineral benches	Not proposed	NA	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	

3m	Total area covered under excavation /pits (Ha.)	2.26 ha		2.24 ha	
3n	Ore to OB ratio for the pit/mine during the year	1:0.06		1:0.04	
3o	Total area put in use under different heads at the end of year	2.788		2.67 ha	
3p	Production of ROM mineral during last five-years period, as Applicable	Year	Proposal	Achiement	
		2020-21			
		2021-22			
		2022-23			
		2023-24			
		2024-25			
3q	General remarks of inspecting officer on method of mining etc.	13600 t of limestone produced against the proposed 13900T of limestone.			

4. 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	NA	
4b	Location of topsoil, OB & mineral reject dumps	Not proposed	NA	
4c	Number of Dumps within lease area and outside lease area	01	01	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	NA	
4e	Number of Active & Alive dumps	01	01	
4f	Number of dead dumps	Not proposed	NA	
4g	Number of dumps established	Not proposed	NA	
4h	Whether Retaining wall or garland drain all along dumps are there	Not proposed	NA	
4i	Length of Retaining wall or garland drain all along dump	Not proposed	NA	
4j	Number of settling ponds	Not proposed	NA	
4k	Specific comments of inspecting officer on waste dump management	Very minimum quantity of waste is reportedly generated.		

5. 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	Proposed	Not carried out	
5b	Area under backfilling of mined out area	741 Cum	Not carried out	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed	NA	
5d	Total area fully reclaimed & rehabilitated (Ha)	Not proposed	NA	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling has not been carried out as proposed against which violation is issued under Rule 11(1).		

6. 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	Yes	Submitted	
6b	Area available for rehabilitation (Ha)	741Cu.m	Not carried out	
6c	Afforestation done (ha)	Proposed	Not carried out	
6d	No. of saplings planted during the year	Proposed 48	Not carried out	
6e	Cumulative no. of plants	NA	NA	
6f	Any other specific method of rehabilitation	Not proposed	NA	
6g	Cost incurred on watch & care during the year	Not proposed	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	Not proposed	NA	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	Not proposed	NA	

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area.	Not proposed	NA	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir.	Not proposed	NA	
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	Not proposed	NA	
6m	Compliance of Rehabilitation of waste land within lease (i) Afforestation	Not proposed	NA	
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	Not proposed	NA	
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	Afforestation	Not done	
6p	Compliance of Environment monitoring (core zone & buffer zone)	Yes	Monitoring	
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 issued under Rule 11(1).		

7. Mineral Conservation (FY 2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM dispatch	ROM dispatch	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not proposed	NA	
7c	Different grade of mineral sort out at mine	Not proposed	NA	
7d	Any beneficiation process at mines	Not proposed	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Produced ROM is being dispatched to the buyers.		

8. Environment (FY 2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not Proposed	NA	
8b	Concurrent use or storage of topsoil	Not Proposed	NA	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Not Proposed	NA	
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	Proposed backfilling	Not carried out	Violation is pointed out under Rule 11(1).
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining	Not proposed	NA	

	operations (Pits, dumps etc)			
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Proposed 48 plants	Not done	Violation is pointed out under Rule 11(1).
8g	Survival rate	Not proposed	NA	
8h	Water sprinkling on roads to control airborne dust	Yes	As proposed	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Plantation has not been carried out as proposed Against which the violation is issued under Rule 11(1).		

9. Compliance of Rule 45 (2023-24)

S.N.	Item	Comments			Remarks
9a	Status of submission of monthly and Annual returns	Monthly and returns submitted			
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Miryunjoy Prasad -Mining Engineer Srinivas Mishra -Geologist			Already appointed as per Rule.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use pattern areas are Pit – 1.787Ha. Reclaimed – 0.214 Ha. Waste disposal – 0.155 Ha. Infrastructure - 0.061 Ha.			Violation is pointed out under Rule 45(7)
9d	Scrutiny of Annual return on afforestation	Reported 100			
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	No mineral rejects have been generated from the lease area. The entire ROM is being utilized.			Violation is pointed out under Rule 11(1).
9f	Scrutiny of Annual return on ROM stock and/or grade ore	NIL			Captive use not for sale
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex. Mine Price – Rs 336.36			As per AR
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets ₹74841912/-			As per AR
9k	Scrutiny of Annual return on mining Machineries	Equipment	Capacity	No of Units	As per AR
		Dumper	10.00 T	01	
		Dumper	17.00 T	01	
		Water Tanker	20000 L	01	
		Pumps	650 L/Mn	01	

S.No	Violation Under Rule	Issued on	Compliance Received	SCN Issued on	Compliance Received
01	11(1)	06/12/2024		--	--
02	12(4)	06/12/2024		--	--
03	34A	06/12/2024		--	--
04	45(7)	06/12/2024		--	--