

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

**Mine code: 38MPR47055**

**General Information**

S. N.	Particulars	Details
1	Name of the Mine	RAJARWARA LIMESTONE MINE
	Date of Inspection:	29-06-24
	Name of Inspecting Officer	KATHROJU NAVEEN, SENIOR ASSISTANT CONTROLLER OF MINES
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	5.89
3	Mine code	38MPR47055
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/12983/2012
5	Name of the Lease, Address, Phone, email and fax number	SMT.RATNA MISHRA
6	Village	RAJARWARA
7	Taluka/Mandal	VIJAYRAGHAVGARH
8	District	KATNI
9	Pin code	483880
10	State	MADHYA PRADESH
11	Post Office	DIWAN SIDING
12	Nearest Police Station	VIJAYRAGHAVGARH
13	Nearest Railway Station	JHUKEHI
14	Date of Grant of Mining Lease	01/04/1986
15	Date of Execution	01/04/1986
16	Date of opening of Mine	-
17	Date of First Renewal, if applicable and its period & expiry	01-04-1986 TO 31-03-2036
18	Date of Second Renewal, if applicable and its period & expiry	-
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	-
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Smt. Ratna Mishra, ADD- NEEL KANTH VIHAR,AADHARKAAP,P.O.MURWARA, DISTT.-KATNI , M.P. PHONE No.-9300568844 EMAIL-RMISHRA47055@gmail.com APPOINTMENT DATE -20/05/1988
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	Mr.AMITESH KUMAR TIWARI Add.- TILAK CHOWK , KYMORE,KATNI

	appointment in mines	(M.P.) Phone No.-8305919941 <a href="mailto:Email-amitesht812@gmail.com">Email-amitesht812@gmail.com</a> DOA- 10-02-2022
23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Mr.AMITESH KUMAR TIWARI Add.- TILAK CHOWK , KYMORE,KATNI (M.P.) Phone No.-8305919941 <a href="mailto:Email-amitesht812@gmail.com">Email-amitesht812@gmail.com</a> DOA- 01-04-2021
24	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes
25	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	26-07-2021 Period-2021-22 To 2025-26
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	26/07/2021 Period - 2021-22 To 2025-26
27	Mineral(s) granted in lease and approved for Mining	Limestone & Dolomite
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
30	Captive/Non-Captive	Non-Captive

### Exploration

S. N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Not proposed	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	G1 level	G1 level	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not proposed	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Not proposed	Nil	
1e	Balance reserves as on 01.04.2024	658941 T	783292 T	
1f	General remarks of Inspecting officer on geology, exploration etc.	As per the last approved mining plan dated 26307.2021 the balance reserves available in the mine as on 01.04.2021 are 983622 T out of which it is proposed to produced 324681T till 01.04.2024 against which 200330T produced hence the balance reserves available as on 01.04.2024 are 783292 T.		

### Development

S. N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	N-2653865 to N	Deviation in	Against the deviation in the

		2654006 E- 450015 to E 450229.	the proposed location	proposed location violation is issued under Rule 11(1).
2b	Separate benches in topsoil overburden and mineral (Rule 15)	OB bench - 3 m Mineral bench - 5	OB Bench -3m Mineral Bench4-5m	
2c	Stripping ratio or ore to OB ratio	1:0.54	1:0.01	The deviation is stripping ratio is due to less OB excavation for which the violation is issued under Rule 11(1).
2d	Quantity of topsoil generation in m <sup>3</sup>	600	340	
2e	Quantity of overburden generation in m <sup>3</sup>	18862	1510	Violation is issued under Rule 11(1).
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Against the deviation in the proposed location violation is issued under Rule 11(1). The deviation is stripping ratio is due to less OB excavation for which the violation is issued under Rule 11(1).		

### Exploitation

S. N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	01	01	
3b	Quantity of ROM mineral production proposed (2023-24)	110031	109130	
3c	Recovery of Salable/usable mineral from ROM production	90%	90%	
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	Mechanized	Mechaniz ed	
3i	Any analysis or beneficiation study proposed & carried out	Not proposed	Nil	

	for sub-grade mineral and reject			
3j	Provision of drilling & blasting in mineral benches	Proposed	As per the proposal	
3k	Provision of mining machineries in mineral benches	Proposed	As per the proposal	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed	As per the proposal	
3m	Total area covered under excavation /pits	Proposed 4.88 during the proposal period	3.65	
3n	Ore to OB ratio for the pit/mine during the year	1:0.54	1:0.01	The deviation is stripping ratio is due to less OB excavation for which the violation is issued under Rule 11(1).
3o	Total area put in use under different heads at the end of year	3.65	3.65	
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20 103953 2020-21 102239 2021-22 102353 2022-23 112297 2023-24 110031	58953 101148 85230 5970 109130	
3q	General remarks of inspecting officer on method of mining etc	The deviation is stripping ratio is due to less OB excavation for which the violation is issued under Rule 11(1).		

### **Solid Waste Management-Dumping**

S. N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Not proposed	Nil	Top soil Utilized & Given To Former.
4b	Location of topsoil, OB & mineral reject dumps	Not	Nil	Backfilling Proposed.

		proposed		
4c	Number of Dumps within lease area and outside lease area	1	1	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	In Southern side of the lease	In Southern side of the lease	
4e	Number of Active & Alive dumps	1	1	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps established	Nil	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	NA	NA	
4j	Number of settling ponds	1	1	
4k	Specific comments of inspecting officer on waste dump management	Backfilling has not been carried out against which the violation is issued under Rule 11(1).		

#### 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 around the restricted area	Not carried out as proposed	Backfilling has not been carried out against which the violation is issued under Rule 11(1).
5b	Area under backfilling of mined out area	0.12	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Afforestation	Afforestation	
5d	Total area fully reclaimed & rehabilitated	0.009	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling has not been carried out against which the violation is issued under Rule 11(1).		

**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	Yes	Yes	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (Ha)			
	ii) Afforestation done (ha)	0.16	0.16	
	iii) No. of saplings planted during the year	315	Nil	Violation is issued under Rule 11(1).
	iv) Cumulative no. of plants	1025	1025	
	v) Any other specific method of rehabilitation	NA	NA	
	vi) Cost incurred on watch & care during the year	180000	180000	Watches & Care Fencing
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	As per mining Plan	As per mining Plan	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	As per mining Plan	As per mining Plan	
6e	Compliance of Environment monitoring (core zone & buffer zone)	As per mining Plan	As per mining Plan	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Plantation has not been carried out as proposed against which the violation has been pointed out under Rule 11(1).		

### Mineral Conservation

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

### Environment

S. N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Yes	Yes	
8b	Concurrent use or storage of topsoil	Utilized in agriculture & afforestation	Utilized in agriculture & afforestation	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	NA	NA	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	YES	YES	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	YES	YES	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Existing Plantation - 1025	Additional plantation has not done	
8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
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 has been issued under Rule 11(1).		

## Compliance of Rule 45

S.N	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	Monthly Return & Annual Return submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer - Shri. Amitesh Tiwari Geologist - Shri Ram Raj Kushwaha	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(i) Already exploited & abandoned by Opencast (O/C) mining = 0.000 ha. (ii) Covered under current (O/C) Workings = 3.665 ha. (iii) Reclaimed/Rehabilitated 0.510 ha. (iv) Used for waste disposal: 1.44 ha. (v) Occupied by plant, buildings, residential, welfare buildings &	



		roads : 0.12 ha.				
9d	Scrutiny of Annual return on afforestation	(i) Number of trees planted during the year: 315 reported in returns	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	Closing Stock as on 31.03.2024 = 35967 mt				
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Production cost reported as 160/-				
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets (in ₹) 57778312.00				
9k	Scrutiny of Annual return on mining Machineries	S. No	MACHINERY	CAPACITY	NO. OF UNITS	--
		1	Back Hoe	1.200 Cum	1	--
		2	Dumper	16.000 Tonne	3	--
		3	Pump (Non-Elec.)	50 L/MN	1	--

S.No	Violation Under Rule	Issued on	Compliance Received	SCN Issued on	Compliance Received
01	<b>11(1)</b>	21/08/2024	24/10/2024	--	--
02	<b>27(2)</b>	21/08/2024	24/10/2024	--	--
02	<b>45(7)</b>	21/08/2024	24/10/2024	--	--