

**INSPECTION DATASHEET For the Year 2022-23****General**

<b>S.N.</b>	<b>Particulars</b>	<b>Details</b>
1	Name of the Mine	Kachhagawan Limestone Mine
	Date of Inspection:	22/11/2023
	Name of Inspecting Officer	Abhishek Ranjan Gautam
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	1.821 HA (Non-forest area)
3	Mine code	38MPR18123
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/5746/2011
5	Name of the Lease, Address, Phone, email and fax number	Lessee: Shri Anil Nagrath Address: Civil Lines, Katni, MP-483501 Phone: +91 9425153932 Email: anilnagrath2009@gmail.com
6	Village	Kachhagawan
7	Taluka/Mandal	Murwara
8	District	Katni
9	Pin code	483501
10	State	Madhya Pradesh
11	Post Office	Kachhagawan
12	Nearest Police Station	Kymore
13	Nearest Railway Station	Jukehi
14	Date of Grant of Mining Lease	06.06.1084
15	Date of Execution	06.06.1984
16	Date of opening of Mine	
17	Date of First Renewal, if applicable and its period & expiry	06.06.1994
18	Date of Second Renewal, if applicable and its period & expiry	06.06.2004
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	N.A.
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	N.A.
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	N.A.
22	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	N.A.
23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Ritesh Dixit, 23/02/2024
24	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Ajay Pandey, 23/02/2024
25	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	NA

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26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	MP/Katni/Limestone/RMP-64/2021-22 Jabalpur Dated 28.01.2022.
27	Mineral(s) granted in lease and approved for Mining	Limestone
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	4 BH	nil	Violation pointed out under rule 11(1)
1b	Exploration over lease area for Geological axis 1 or 2.	Whole area under G1 up to depth of 30 m	Partially lease area explored up to G1 level G-1 - 0.721000 ha G-2 – 1.10	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not applicable	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	G-1 – 1.82	G-2 – 1.10	
1e	Balance reserves as on 01.04.2023		554902 tonne	
1f	General remarks of Inspecting officer on geology, exploration etc.	Violation pointed out under rule 11(1)		

**Development**

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Pit Q1 to be developed towards North and in depth	As per proposal	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	1 bench in soil and 4 benches in mineral	1 bench in soil and 4 benches in mineral	
2c	Stripping ratio or ore to OB ratio	1:5.25	1:0.52	
2d	Quantity of topsoil generation in m <sup>3</sup>	3700	3000	
2e	Quantity of overburden generation in m <sup>3</sup>	7130	6500	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	No comments		

**Exploitation**

S.N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	1	1	
3b	Quantity of ROM mineral production proposed (2022-23)	30002	28870	

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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	Mechanised	Mechanised	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NA	NA	
3j	Provision of drilling & blasting in mineral benches	NA	NA	
3k	Provision of mining machineries in mineral benches	Proposed 1 excavator, 2 tripper, 1 20HP water pump	1 excavator (210), 2 tripper(10ton),2 Water pump	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	4m in OB and 7.5 m in mineral	4m in OB and 7.5m in mineral	
3m	Total area covered under excavation /pits	1.109 ha	1.100 ha	
3n	Ore to OB ratio for the pit/mine during the year	1:5.25	1:0.52	
3o	Total area put in use under different heads at the end of year	1.605	1.26	
		2021-22	7010	6730
		2022-23	30002	28870
		2023-24	30002	11536
3q	General remarks of inspecting officer on method of mining etc	Opencast Other than fully mechanised method of mining were being carried out in the lease area. The excavation in OB has been carried out by HEMM.		

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

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Separate dumps of OB & Mineral Proposed.	Separate dumps of OB & Mineral maintained	
4b	Location of topsoil, OB & mineral reject dumps	01 temporary dump in Northern part of the quarry	01 temporary dump in Northern part of the quarry	
4c	Number of Dumps within lease area and outside lease area	1	1	Within lease area

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4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	within UPL	within UPL	
4e	Number of Active & Alive dumps	1	1	
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	Nil	Nil	
4i	Length of Retaining wall or garland drain all along dump	Nil	Nil	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management	The whole ML area is mineralized and hence temporary dumping has been proposed and were Being carried out. backfilling also proposed near Pillar no 3.		

**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 of mineral from mined out area proposed before starting backfilling	full extraction of mineral from mined out area adopted before starting backfilling	
5b	Area under backfilling of mined out area	0.13	Backfilling not started so far	Violation pointed out under rule 11(1).
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Spreading	Done for afforestation	
5d	Total area fully reclaimed & rehabilitated	Not proposed	No area has been fully reclaimed & rehabilitated	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Working pit area not matured so far for reclamation & rehabilitation. Backfilling not started so far. Violation pointed out 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)	0.05	0.05	
	ii) Afforestation done (ha)	Nil	nil	
	iii) No.of saplings planted during the year	50	50	
	iv) Cumulative no. of plants	150	120	
	v) Any other specific method of rehabilitation	Nil	Nil	
	vi) Cost incurred on watch & care during the year	Nil	Nil	
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	Yes	Yes	
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)	Yes	Yes	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	No comments		

**Mineral Conservation**

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

**Environment**

<b>S.N.</b>	<b>Item</b>	<b>Proposals</b>	<b>Actual Work</b>	<b>Remarks</b>
8a	Separate removal and utilization of topsoil (Rule32)	topsoil to be utilised for plantation purpose	Topsoil utilised for plantation purposes	
8b	Concurrent use or storage of topsoil	topsoil to be utilised for plantation purpose	topsoil utilised for plantation purposes	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	01 temporary dump in Northern part of the quarry	01 temporary dump in Northern part of the quarry	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Backfilling	Not Done as proposed	

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8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Proposed	Very few exists	
8g	Survival rate		50%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on roads to control airborne dust proposed	Water sprinkling on roads carried out	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	The aesthetic beauty in and around mine area is not satisfactory		

**Compliance of Rule 45**

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	M.R. submitted on time	
		A.R. submitted on time	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer – Ritesh Dixit Geologist – Not appointed	Violation pointed out
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use pattern as per AR	
9d	Scrutiny of Annual return on Afforestation	within lease area - 50 tree planted Survival rate - 90%	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	

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9f	Scrutiny of Annual return on ROM stock and/or grade ore	Opening stock – 7029 Tones Production – SMS - 5766 Tonnes Cement – 23104 tones Dispatch – SMS - 12795 Tones Cement – 6461.980 tones Closing Stock - 7029.020 Tones	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex mine prize – SMS grade – Rs 157.50/- Cement grade – Rs 278.67 /- Cost of prod. Rs 204.24/-	
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets* (₹ 556000)	
9k	Scrutiny of Annual return on mining Machineries	1 excavator (210), 2 tripper(10ton),2 Water pump	

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

**Rule – 11(1) of MCDR 2017**

**Rule – 55(1) of MCDR 2017**

Date:

Name: Abhishek Ranjan Gautam

Designation: Assistant Mining Engineer