

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

<b>S.N</b>	<b>Particulars</b>	<b>Details</b>
1	Name of the Mine Date of Inspection: Name of Inspecting Officer	Lalpur Limestone Mine 27/12/2023 Mr. Abhishek Ranjan Gautam
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	17.471 ha
3	Mine code	38MPR35295
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/11106/2012
5	Last Inspection Details	Inspecting officer – Shri Robert Simon C, ACOM Date of Inspection – 13/03/2023 Violation – 11(1), 11(4), 26(2), 31(4), 33, 45(7) Compliance – 20/06/2023
6	Mine official present during the inspection	Shri J.L Sharaf, Mining Engineer, Shri Vikash Singh, Geologist
7	Name of the Lease, Address, Phone, email and fax number	Shri Kamendra Singh, 09425172692
8	Village	Lalpur
9	Taluka/Mandal	Raghuraj Nagar
10	District	Satna
11	Pin code	485001
12	State	Madhya Pradesh
13	Post Office	Satna
14	Nearest Police Station	Satna
15	Nearest Railway Station	Satna
16	Date of Grant of Mining Lease	24.12.2003
17	Date of Execution	16.12.2003
18	Date of opening of Mine	
19	Date of First Renewal, if applicable and its period & expiry	Not Applicable
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	Shri Kamendra Singh; S/o –Shri Virendra Singh, Bardadih Road Mukhtiyar Ganj, Raghuraj Nagar, PO+District - Satna (M.P.); Mo: 9425185701
23	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	-
24	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	-

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25	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri J.L Sharaf, Mining Engineer
26	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	hri Vikash Singh, Geologist
27	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	28/07/2023
28	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	-
29	Mineral(s) granted in lease and approved for Mining	Limestone
30	Method of Mining (Opencast, Underground)	Opencast
31	Category (Fully Mechanized, Others or Manual)	Other Than Fully Mechanised
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.	Entire lease area to be explored in G1 scale	Lease area explored upto G2 level,	Violation pointed out under rule 12(4)
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.	Entire lease area to be explored in G1 scale	Lease area explored upto G2 level,	
1e	Balance reserves as on 01.04.2023	1579520	1579520	
1f	General remarks of Inspecting officer on geology, exploration etc.	ML has been explored upto the level of G2. Violation pointed out.		

**Development**

S.N	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	It is proposed to develop quarry 1 towards south and west.	Develop quarry 1 towards south and west.	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Separate benches in overburden and mineral proposed	Separate benches in overburden and mineral maintained	
2c	Stripping ratio or ore to OB ratio	1.073	1.55	
2d	Quantity of topsoil generation in m <sup>3</sup>	8076	Nil	Violation pointed out

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2e	Quantity of overburden generation in m <sup>3</sup>	28652	9122	Violation pointed out.
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development and production have been observed on lower side.		

**Exploitation**

S.N	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	Quarry-1	Quarry-1	
3b	Quantity of ROM mineral production proposed (2015-16)	124996	39800	
3c	Recovery of Salable/usable mineral from ROM production	Not proposed	Entire ROM dispatched	
3d	Quantity of mineral reject generation	Nil	Nil	All of the saleable minerals are sold to different end users.
3e	Grade of mineral reject generation and threshold value declared	NA	NA	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	NA	NA	
3h	Manual/Mechanized method adopted for segregation from ROM	Other than fully mechanised	Other Than Fully Mechanised	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	6	6	Done for the purpose of renewal of mining plan
3j	Provision of drilling & blasting in mineral benches	provision that deep hole bloating under mine plane	actually followed under proposal.	
3k	Provision of mining machineries in mineral benches	Hydraulic Shovel	As per proposal	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	proposal 5 meter height 5 meter width	As per proposal	
3m	Total area covered under excavation /pits	3.188 ha	3.188 ha	
3n	Ore to OB ratio for the pit/mine during the year	1.073	1.55	
3o	Total area put in use under different heads at the end of year	3.79	3.79	
3p	Production of ROM mineral during last five-years period, as Applicable	2018-19	Nil	Nil
		2019-20	124920	Nil
		2020-21	122408	22750
		2021-22	125000	120400

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		2022-23	124996	39800	
3q	General remarks of inspecting officer on method of mining etc	Open cast mechanised mine working proposed by using Excavator/JCB & dumper combination with deep hole drilling & blasting.			

**Solid Waste Management-Dumping**

S.N	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Separate dumping of Top soil and OB/Waste.	Separate dumping of Top soil and OB/Waste.	
4b	Location of topsoil, OB & mineral reject dumps	Top soil-Near SW boundary. OB/waste-Near NW boundary.	Existing dumps were observed Top soil-Near SW boundary. OB/waste-Near NW boundary.	
4c	Number of Dumps within lease area and outside lease area	Two within lease area .	Two within lease area .	No dumping is proposed or done outside the lease area.
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL.	Outside UPL.	
4e	Number of Active & Alive dumps	02	02	
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	Yes	Yes as per proposal	
4i	Length of Retaining wall or garland drain all along dump	50 mtr	50 mtr	
4j	Number of settling ponds	NA	NA	
4k	Specific comments of inspecting officer on waste dump management	Separate dumping of topsoil & OB were being maintained within the lease area.		

**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 before starting	full extraction of mineral from mined out area before starting	

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		backfilling proposed.	backfilling adopted.	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	NA	NA	
5d	Total area fully reclaimed & rehabilitated	NA	NA	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No mined out area is available for backfilling, hence not done		

**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	To be submitted before 1st July of every year	Yes, submitted within time limit as per the provisions of Rule 26 of MCDR,2017	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (Ha)	Not applicable	No area is available for rehabilitation as no area fully mined out so for	
	ii) Afforestation done (ha)	Nil	Nil	Violation pointed out
	iii) No.of saplings planted during the year	Nil	Nil	
	iv) Cumulative no. of plants	Not specified	Substantial plantation is observed in the lease area.	
	v) Any other specific method of rehabilitation	Not applicable	Not applicable	
	vi) Cost incurred on watch & care during the year	Not applicable	Not applicable	

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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	Not applicable	Not applicable	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	Not applicable	Not applicable	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Periodical Air, Water, Noise monitoring Proposed	Carried out as per the proposals	Analysis reports were provided
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Presently scope of backfilling/reclamation & rehabilitation doesn't exist and no proposals are given. Periodic monitoring is being carried out by outsourced consultant.		

#### 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	Mechanical	Mechanical	
7c	Different grade of mineral sort out at mine	NA	NA	
7d	Any beneficiation process at mines	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Beneficiation process not adopted at mines. ROM mineral dispatch being done.		

#### Environment

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S.N	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Separate Soil dumps are proposed	No top soil generated during the year	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	NA as no mineral reject is obtained	No mineral reject as per approved mining plan	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Nil	Nil	Violation pointed out
8g	Survival rate	NA	NA	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling is proposed by water tanker	Regular water sprinkling is done on approach road using water tanker to control airborne dust.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Aesthetic beauty is degraded due to mining. The ML holder has planted more than 500 trees for improvement of aesthetic beauty.		

**Compliance of Rule 45**

S.N	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	MR of December-23 and AR of 2022-23 has been submitted	Submitted

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9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	<b>Name of the Mining Engineer:</b> Mr. J L Saraf <b>Geologist:</b> Mr. Vikash Singh	Appointed as per rule
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use as per Annual return <b>2022-23</b> Currant working: 3.188 ha. Roads and Infra. : 0.1050 ha. OB/waste dump: 0.928 ha. Green belt: 0.400 ha.	As submitted by lessee
9d	Scrutiny of Annual return on Afforestation	Plantation not done as proposed	Violation pointed out
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	As per AR 2022-23, approved mining plan ROM was proposed 124996 T & actual production carried out 39800 t	As submitted by lessee
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex mine Price : Rs 234.86, Cost of production = Rs. 216.47/-	
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets - Nil	
9k	Scrutiny of Annual return on mining Machinerries	DUMPER 16.000 TONNE 3 Non Electrical Opencast DUMPER 10.000 TONNE 1 Non Electrical Opencast PUMPS (NON-ELEC.) 650.000 L/MN 1 Non Electrical Opencast WATER TANKER 2000.000 LITRE 1 Non Electrical Opencast FRONT END LOADER 1.200 CUM 1 Non Electrical Opencast	As submitted by lessee

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 dated 08/01/2024**

**Rule – 12 (4) of MCDR 2017 dated 08/01/2024**

**Rule – 45 (7) of MCDR 2017 dated 08/01/2024**



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I/25315/2024 Date:

Name: Shri Abhishek Ranjan Gautam

Designation: Assistant Mining Engineer