

# **INSPECTION DATASHEET For The Year 2024-25**

## **General**

<b>S.N.</b>	<b>Particulars</b>	<b>Details</b>
1	Name of the Mine	Amehta limestone Mine
	Date of Inspection:	14/09/2024
	Name of Inspecting Officer	Shri Raghubir Sharan Garg, ACOM
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	12.93 Hect.
3	Mine code	38MPR47078
4	IBM Registration Number under rule 45 of MCDR,1988	Reg. No. IBM/1218/2011
5	Last Inspection Details	Inspecting officer – Shri Robert C Simon, ACOM Date of Inspection – 26/08/2023 Violation Point out – Nil Compliance date –NA
6	Mine official present during the inspection	Shri S.K Jain , Mining Engineer of the mine.
7	Name of the Lease, Address, Phone, email and fax number	Lessee :- Rajesh Jain, and Shri Rakesh Gautam, both are partner of the Firm Address : M/s Ram Chandra Badri Prasad Gour. BD Agrawal Ward, Civil Lines Post & District Katni (MP) 483501 Email – <a href="mailto:ramchandgour2106@gmail.com">ramchandgour2106@gmail.com</a> M.No. 9575800465 Fax number- 07622403129
8	Village	Amehta
9	Taluka/Mandal	vijayraghavgarh
10	District	Katni
11	Pin code	483880
12	State	Madhya Pradesh
13	Post Office	Mehgaon
14	Nearest Police Station	Kymore
15	Nearest Railway Station	Jhukehi
16	Date of Grant of Mining Lease	25/03/1976 for 20 years period.
17	Date of Execution	11.05.1976 -20 years lease period. Lease is valid upto 10/05/2026 with 50 years lease period
18	Date of opening of Mine	11/05/1976
19	Date of First Renewal, if applicable and its period & expiry	First renewal not granted
20	Date of Second Renewal, if applicable and its period & expiry	03/07/2018
21	Date of submission of renewal application if Mining Operations are continuing under deemed extension	16/09/1994
22	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Rajesh Kumar Jain, BD Agrawal Ward , Civil Lines Katni(MP) Email – <a href="mailto:ramchandgour2106@gmail.com">ramchandgour2106@gmail.com</a> M.No. 9229236559 Date of appointment 07/01/2019

	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri G.P.Garg, Yash Tower, Pathak Ward Katni (MP) M.No. 9575800465 Date of appointment 07/01/2019
23	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Shri S.K.Jain, Civil Lines Katni (MP) M. No. 9425152902 Date of appointment 18/02/2019
25	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri S.K.Jain, B.E.(Mining Eng.), Experience-30 years M. No. 9425152902 Date of appointment 18/02/2019
26	Name of the Geologist, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri Akhilesh Patel, M.Sc.(Geology) Date of appointment 25/06/2021
27	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes
	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	1.Renewal under rule 24 MCR1960 08/07/2005 2.MP modif under 17(3) MCR 2016 25/01/2019
	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	1. SOM rule 12 MCDR1988 dated 15/12/2006 2. SOM rule 12 MCDR1988 dated 14/02/2013 3. RMP rule 17(2) MCR,2016 dated 09/07/2021 period 2021-22 to 2025-26
30	Mineral(s) granted in lease and approved for Mining	Limestone
31	Method of Mining (Opencast, Underground)	Open cast
	Category (Fully Mechanized, Others or Manual)	Mechanised
	Captive/non-captive	Non-Captive

### Exploration

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Not proposed	NA	Entire lease area was considered explored under G1 level based on additional exploration carried out after approval of current RMP.
1b	Exploration over lease area for Geological axis 1 or 2.	Not proposed	NA.	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not proposed.	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Not proposed	Not applicable	
1e	Balance reserves as on 01.04.2024	111-609881MT	122- 745299MT	
1f	General remarks of Inspecting officer on geology, exploration etc.	Entire lease area had been considered under G1 level after carrying out of additional exploration after approval of RMP approved on 09/07/2021 with proposal from 2021-22 to 2025-26.		

### Development

S.N	Item	Proposals	Actual Work	Remarks
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2a	Location of Development w.r.t. lease area	Advancement of development benches towards further west direction proposed between N2656015 to N2656240 and E453560 to E453510	Actual development is not reached upto the proposed western limit i.e upto E453510	-Pit had deepened upto 313mRL in place of approved proposal of 340mRL. Deviations pointed out through violation of rule 11(1) vide letter dated 18/09/2024
2b	Separate benches in top soil overburden and mineral (Rule 15)	One-one bench in Soil and Shale with 3-4.5m height	Soil and OB benches found almost as per proposal	-
2c	Stripping ratio or ore to OB ratio	1:0.94	1:0.30	Lateral movement is less than the proposed one consequent to further deepening of pit.
2d	Quantity of topsoil generation in m <sup>3</sup>	45000m <sup>3</sup>	45000m <sup>3</sup>	
2e	Quantity of overburden generation in m <sup>3</sup>	124552m <sup>3</sup>	52260m <sup>3</sup>	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Although, height and width of different benches in overburden found maintained as per proposal. Pit orientation observed as per approved proposals. Lateral movement is less than the proposed one consequent to further deepening of pit even beyond 340mRL( proposed pit bottom) i.e upto 313mRL.Deviation pointed out through violation of rule 11(1) vide letter dated 18/09/2024		

### 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)	449538TROM 449538TLimestone	ROM-314120 T LST -314120 T	OK
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 Method proposed for segregation	Mechanised method adopted for segregation (screening)	-
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Nil		

3j	Provision of drilling & blasting in mineral benches	Proposed with (spacing X burden X depth of hole) 4.0mX3mX6.60m blasting pattern.	Drilling by wagon drill with 100mmdia and blasting	
3k	Provision of mining machineries in mineral benches	Proposed	HEMM are being used in both, mineral as well as in OB benches for excavation and transportation.	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	As per proposal	-
3m	Total area covered under excavation /pits	9.97Ha	9.5	This is a 48 years old M.L. area almost covered with mining and allied activities.
3n	Ore to OB ratio for the pit/mine during the year	1:0.94	1:0.30	-
3o	Total area put in use under different heads at the end of year	11.63hect( upto March2026) ha	About 11.1hect	-
3p	Production of ROM mineral during the last five-year period as applicable	2019-20 2020-21 2021-22 2022-23 2023-24	550059T 546835T 521500T 488470T 449538T	50004.72T 164759T 403630T 402290T 314120 T
3q	General remarks of inspecting officer on method of mining etc blasting	Open cast mechanised mine working proposed by using Excavator/JCB & dumper combination with Wagon drilling of 100mm dia holes.		

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

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of top soil, OB & mineral reject (Rule 32,33)	Not proposed	Not applicable	Simultaneous use for backfilling
4b	Location of topsoil, OB & mineral reject dumps	Not proposed	Not applicable	-
4c	Number of Dumps within lease area and outside lease area	Four existing dumps within the lease area & outside lease area- Nil (status at the time of approval of RMP)	Four existing dumps present within the lease area outside lease area- Nil	Part of dump No 1 on western portion & 3 on eastern portion of the lease had been rehandled.
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Partly on Within UPL and partly on 7.5m wide statutory barrier zone	Partly on Within UPL and partly on 7.5m wide statutory barrier zone	-----do-----

4e	Number of Active & Alive dumps	Active-0 Inactive-4	Active-0 Inactive-4	
4f	Number of dead dumps	0	0	Nil
4g	Number of dumps established	Nil	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there	Not specified	Garland drain 800m	
4i	Length of Retaining wall or garland drain all along dump	300m retaining wall and 300m garland drain	As per proposal	
4j	Number of settling ponds	NA	NA	
4k	Specific comments of inspecting officer on waste dump management	Entire OB generated during the year utilized in proposed backfilling. Thus, overall waste dump management found satisfactory.		

### **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	As per proposal 40000.00m <sup>2</sup> area available for backfilling	About 1.8hect mined out area is available for backfilling.	Backfilling started during the year under review.
5b	Area under backfilling of mined out area	25000.00m <sup>2</sup>	Backfilling of 6000m <sup>2</sup> mined out area	None
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Proposed	As per approved proposal	Soil generation not envisaged.
5d	Total area fully reclaimed & rehabilitated	7000m <sup>2</sup> Reclaimed	About 2000m <sup>2</sup> reclaimed and rest is under reclamation	Nil
5e	General remarks of inspecting officer on backfilling, reclamation etc.	Backfilling and reclamation work found in progress in the light of approved proposal. Extent of reclamation are less as lateral movement of pit is less. Pit is deepened more than the proposed one in the light of mineralization in depth. Deviation pointed out through violation of rule 11(1) vide letter dated 18/09/2024		

### **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	Submitted	Ok	-
6b	Management of worked/mined out benches	Nil	Nil	Nil
	i) Area available for rehabilitation (Ha)	Not proposed	NA	-
	ii) Afforestation done (ha)	Not proposed	NA	
	iii) No. of saplings planted during the year	Not proposed	NA	

	iv) Cumulative no. of plants	Not proposed	NA	
	v) Any other specific method of rehabilitation	NA	NA	Nil
	vi) Cost incurred on watch & care during the year	Not proposed.	NA	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	4.0hect 2.5hect 0.7hect Not proposed Not proposed	1.8hect 0.6hect 0.01hect NA NA	None
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	400 No 0.4 plantation	500 no. 0.345 Plantation	Green belt area.
6e	Compliance of Environment monitoring (core zone & buffer zone)	Yes	Yes	Nil
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	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	Dispatch proposed with sizing and sorting at mine site Dispatch quantity 449538T	ROM is being dispatched as per approved proposal Dispatch quantity 265595 T	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual sorting proposed	As per proposal	Nil
7c	Different grade of mineral sort out at mine	Not specified.	BF grade.	-
7d	Any beneficiation process at mines	NA	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	There is no issue related with mineral conservation.		

### Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Not Proposed	Not applicable as simultaneous use of top soil for reclamation of mined out area envisaged.	Nil
8b	Concurrent use or storage of topsoil	Proposed	As per proposal	Nil
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Not proposed	NA	None
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposed.	As per proposal	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposed	As per proposal	Nil
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Not specified	Plantation done in the lease area but survived quantity is less.	
8g	Survival rate	80%	75%	Nil
8h	Water sprinkling on roads to control airborne dust	Water sprinkling is proposed by water tanker	Regular water sprinkling is done by water tanker	Water is required for dust suppression
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Aesthetic beauty in and around mine area is not much satisfactory as survival rate of plantation are not up to that extent as proposed. Hence, it was instructed to lessee at the time of inspection for close monitor survival rate of plantation.		

#### Compliance of Rule 45

S.N	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	MR upto Sep-24 and AR of 2023-24 have been found submitted	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	<b>Name of the ME:</b> Shri S.K.Jain <b>Geologist:</b> ShriAkhilesh Patel	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use as per Annual return <b>2023-24</b> Currant working: 7.59 hect. Reclaimed-rehabilitated 0.62hect OB/waste dump: 3.32 hect Occupied by plant .. etc. 0. 2hect Used for mineral storage -0.1hect Progressive mine closure plan- 0.44hect.	Indicated reclaimed and rehabilitated area is on higher side. Matter discussed in the field and necessary guidance provided during inspection.
9d	Scrutiny of Annual return on Afforestation	Afforestation as per AR 500saplings planted in the lease area with survival rate of 75%.	Survival of plantation are on lower side. Advise rendered during inspection for effort for improvement of survival

			rate of plantation.
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	No any mineral reject generated during the year.	OK
9f	Scrutiny of Annual return on ROM stock and/or grade ore	ROM closing stock - 314120T, BF grade -265595T	In fact, entire ROM produced during the year had taken into grade wise production inspite of it closing stock of ROM remain indicated. This deficiency has been pointed out during inspection and advise rendered to avoid mistakes in future.
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex mine Price Rs.738/47 per tone, Av. sale value: Rs.648/47 Cost of production = Rs. 294/54per tone	As per calculation Av sale price at mine head reach Rs. 648/47 but Ex mine price is indicated as Rs. 738/47 i.e ASP declared by IBM from time to time.
9i	Scrutiny of Annual return on Fixed assets	Fixed assets – Rs. <b>19150396/-</b>	OK
9k	Scrutiny of Annual return on mining Machineries	Back Hoe-2(0.9cum bucket capacity) Front end loader 1(1.2cum bucket capacity) DUMPER - Ten PUMPS (NON-ELEC.) - One	-

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

1. Rule – 11(1) of MCDR 2017 dated 18/09/2024
2. Rule 24 of MCDR 2017 dated 18/09/2024

Date: 18/10/2024

Name:- Raghbir Sharan Garg

Designation: Assistant Controller of Mines