

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

S.N.	Particulars	Details
1	Name of the Mine	Nanhwara limestone Mine
	Date of Inspection:	31/05/2024
	Name of Inspecting Officer	Shri Raghubir Sharan Garg, ACOM
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	32.48 Hect.
3	Mine code	38MPR47100
4	IBM Registration Number under rule 45 of MCDR,1988	Reg. No. IBM/50525/2011
5	Last Inspection Details	Inspecting officer – Shri Robert Simon C. ACOM Date of Inspection – 28/06/2023 Violation Point out – 11(1), 31(4), 33 & 45(7) Compliance date – rules 11(1) complied on 06/09/2023.
6	Mine official present during the inspection	Sh. Ritesh Agrawal & Bhawesh Agrawal, both son of lessee and Dhananjay Rathore, Mining Engineer of the mine.
7	Name of the Lease, Address, Phone, email and fax number	Lessee :- Shri Triloki Nath Agrawal Address : Ganesh Chowk ,Civil Lines Post & District Katni, Madhya Pradesh 483501 Email -shyamsunderstonelimeco@gmail.com
8	Village	Nanhwara
9	Taluka/Mandal	vijayraghavgarh
10	District	Katni
11	Pin code	483501
12	State	Madhya Pradesh
13	Post Office	Nanhwara kala
14	Nearest Police Station	Kymore
15	Nearest Railway Station	Jhukehi
16	Date of Grant of Mining Lease	08/05/1997
17	Date of Execution	08/05/1997(lease period upto 07/05/2027-30 years lease period. Argument for 50 years lease period is yet to be carried out)
18	Date of opening of Mine	08/05/1997
19	Date of First Renewal, if applicable and its period & expiry	NA
20	Date of Second Renewal, if applicable and its period & expiry	NA
21	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
22	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Triloki Nath Agrawal, Ganesh Chowk ,Civil Lines Post & District Katni, Madhya Pradesh 483501 Email -shyamsunderstonelimeco@gmail.com

1/34056/2024	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	NA
23	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Shri Dhananjay Rathore, Address, phone, email, fax number-As stated above Date of appointment-03/03/2024
25	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri Dhananjay Rathore, Address, phone, email, fax number-As stated above Date of appointment-03/03/2024
26	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes
27	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	1.24/08/1989(MP) Period 1997-98 to 2001-2002 2. 08/08/2008(SOM-1) Period 2008-09 to 2011-12 3. 01/10/2012(SOM-2) Period 2012-13 to 2016-17 4. 14/05/2018(RMP) Period 2018-19 to 2021-22 5. 21/09/2022 (RMP) Period 2022-23 to 2026-27
28	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	RMP approved on 21/09/2022 Proposal period- 2022-23 to 2026-27
29	Mineral(s) granted in lease and approved for Mining	Limestone & Dolomite
30	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	23.50 hect mineralized area was considered explored under G2 level and rest 8.94hect area was considered unexplored at the time of approval of current RMP. Accordingly, 14 boreholes were proposed against year 2022-23 which had been carried out by the lessee after pointing out violation of rule 12 based on earlier inspection. Lesse had submitted GSR based on additional exploration.
1b	Exploration over lease area for Geological axis 1 or 2.	Not proposed	Entire lease area was considered explored under G1 level based on additional exploration	
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	111-6349614	111- 6349614	
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. GSR had also been prepared and submitted to this office after pointing out of violation.		

Development

S.N.	Item	Proposals	Actual Work	Remarks
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1/34056/2024	Location of Development w.r.t. lease area	Development proposed in two quarries namely Q.no.2 &3. Quarry wise locations are as follows: - Q-2: N2657080 to N2657280 & E454900 to E455080 and Q-3N2656980 to N2657080 & E454820 to E454920	Almost as per proposal	Deviation incorporated through violation of rule 11(1) in violation letter submitted for approval.
2b	Separate benches in top soil overburden and mineral (Rule 15)	Pit ID Q2 & Q3-In both the pits- One-one bench In top soil height ranging 1-2m One-one bench In Overburden of 6.0m height and Four-four benches in mineral of 6.0m height.	Top soil and OB benches found almost as per proposal whereas in mineral upper benches are close to merger with subsequent lower benches. (third bench of Western face and fifth bench in Norther face both in Quarry No. 2).	
2c	Stripping ratio or ore to OB ratio	1:0.32	Reportedly as per proposal i.e. 1:0.327300	
2d	Quantity of topsoil generation in m ³	7300	Reportedly as per proposal i.e. 7200	
2e	Quantity of overburden generation in m ³	15458	Reportedly as per proposal i.e. 15000	
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 top soil and on overburden found maintained as per proposal. Pit orientation observed as per approved proposals. Pit is found developed for achieving the envisaged production.		

Exploitation

S.N	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	02	02	-
3b	Quantity of ROM mineral production proposed (2023-24)	99244tones ROM 65259tone -Limestone 33985tone -Dolomite	ROM-NA Limestone -63040tone Dolomite-NA	-
3c	Recovery of Salable/usable mineral from ROM production	90%	90%	-
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		

1/34056/2024	Provision of drilling & blasting in mineral benches	Proposed with (spacing X burden X depth of hole) 2.5mX2.0mX2.9m blasting pattern.	Drilling and blasting by Jack hammer & tractor trolley.		
3k	Provision of mining machineries in mineral benches	Proposed	HEMM is being used in mineral benches for excavation and transportation.	-	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	In certain part of the pit height of mineral benches almost risen due to merger of upper bench into lower bench	Deviation incorporated through violation of rule 11(1) in violation letter submitted for approval.	
3m	Total area covered under excavation /pits	6.93Ha	6.93 ha	-	
3n	Ore to OB ratio for the pit/mine during the year	1:0.32	Reportedly 1:0.32	-	
3o	Total area put in use under different heads at the end of year	9.91 ha	9.68 ha	-	
3p	Production of ROM mineral during the last five-year period as applicable	2019-20	69555	26795	
		2020-21	69838	52380	
		2021-22	69810	69750	
		2022-23	60080	59900	
		2023-24	65259	63040	
3q	General remarks of inspecting officer on method of mining etc	Open cast mechanised mine working proposed by using Excavator/JCB & dumper combination with shallow drilling & blasting using jack hammer.			

Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of top soil, OB & mineral reject (Rule 32,33)	Separate dumping of topsoil & OB proposed	Separate dumping of topsoil & OB maintained	
4b	Location of topsoil, OB & mineral reject dumps	Top soil & OB dumps both on Southern portion Soil dump near BP No. 12 and OB / waste dump near BP No.14	Due to land acquisition issue both dumps temporarily placed on Northern portion near quarry no.4	After acquisition of land, it will be shifted
4c	Number of Dumps within lease area and outside lease area	Eight dumps within the lease area & outside lease area- Nil	eight dump present within the lease area outside lease area- Nil	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Outside the UPL	Dump are located temporarily in side	After acquisition of

I/34056/2024			the UPL	land, it will be shifted
4e	Number of Active & Alive dumps	Active-4 Inactive-4	Active-4 Inactive-4	
4f	Number of dead dumps	Nil	Nil	Nil
4g	Number of dumps established	Nil	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there	Proposed	Yes	Already 140m garland drain
4i	Length of Retaining wall or garland drain all along dump	Not proposed	150m of garland drain found	Made in the past.
4j	Number of settling ponds	01	01	Nil
4k	Specific commends of inspecting officer on waste dump management	Only temporary dumping is proposed. The OB dump will be used for backfilling in the future		

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	Situation of full extraction of mineral not reached so far.	Nil
5b	Area under backfilling of mined out area	Not proposed.	Not Applicable	None
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed	NA	Nil
5d	Total area fully reclaimed & rehabilitated	Not Proposed	NA	Nil
5e	General remarks of inspecting officer on backfilling, reclamation etc.	Area not matured for backfilling and reclamation		

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	Not submitted yet. It will be submitted before last date decided as per statute.	Violation will be due after 30/06/24, if PMCP report is not submitted till then.
6b	Management of worked/mined out benches	Nil	Nil	Nil
	i) Area available for rehabilitation (Ha)	Not proposed	NA	-0.03hect mined out area already rehabilitated in the past.
	ii) Afforestation done (ha)	Not proposed	NA	

I/34056/2024	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	Not proposed Not proposed Not proposed Not proposed Not proposed	NA NA NA NA NA	None	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	250 No 0.15 plantation	200 no. 0.15 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 after manual sorting and screening at mine site	ROM is being dispatched after manual sorting and screening at mine	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual as well as mechanical method	As per proposal	Nil
7c	Different grade of mineral sort out at mine	Not specified.	BF and Cement grade.	-
7d	Any beneficiation process at mines	NA	Nil	Nil

1/34056/2024	General remarks of inspecting officer on Mineral conservation & beneficiation issues	There is no issue related with mineral conservation.
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Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Proposed	As per proposal	Nil
8b	Concurrent use or storage of topsoil	Not Proposed	As per proposal	Nil
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Yes, there are proposal for separate dumping of OB, waste rock	As per proposal	None
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed.	As per proposal	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	NA	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%	70%	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 of May-24 and AR of 2022-23 has been submitted	AR for 2023-24 not submitted so far. Information furnished as per AR,2022-23.

1/34056/2024	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Name of the Mining Engineer: Shri Chandan Kumar	Shri Kumar had resigned from the post of ME. Now, Shri Dhananjay Rathore, had joined as a ME in the mine on 03/03/2024
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use as per Annual return 2022-23 Currant working: 6.58ha. OB/waste dump: 1.5 ha. Occupied by plant .. etc. 0.1 Green Belt: 0.8 ha. Progressive mine closure plan-0.0hect.	OK
9d	Scrutiny of Annual return on Afforestation	Afforestation as per AR 1200saplings planted in the lease area with survival rate of 70%.	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 -Nil BF grade-36258tone & Cement grade - 8341Tonnes	As per MR, April,2024
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex mine Price & sale value both are : Rs.371/- per tone, Cost of production = Rs. 267/-per tone	OK
9i	Scrutiny of Annual return on Fixed assets	Fixed assets – Rs. 2765708/-	OK
9k	Scrutiny of Annual return on mining Machineries	Shovel-1(1.2ccum bucket capacity) DUMPER 16 TONNE - Two 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 06/06/2024

Date: 14/06/2024

Name:- Raghubir Sharan Garg

Designation: Assistant Controller of Mines