

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

S.N.	Particulars	Details
1	Name of the Mine	Pahari limestone Mine
	Date of Inspection:	30/05/2023
	Name of Inspecting Officer	Shri Raghubir Sharan Garg, ACOM
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	6.543 Hect.
3	Mine code	38MPR25058
4	IBM Registration Number under rule 45 of MCDR,1988	Reg. No. IBM/6666/2011
5	Last Inspection Details	Inspecting officer – Shri Abhishek Ranjan Gautam, AME Date of Inspection – 08/08/2023 Violation Point out – 11(1) & 31(4) Compliance date – Not complied so far. Further follow-up is in progress.
6	Mine official present during the inspection	Shri Amit Kumar Rai, Mining Engineer
7	Name of the Lease, Address, Phone, email and fax number	Lessee :- Shri Amit Kumar Rai and Shri Anshuman Rai Address : Rai Bhawan Katni Road, P. O. Maihar Distt. Maihar (M.P.) 485771 Email-raico34@yahoo.com / "raicomaihar" <raicomaihar@gmail.com>;
8	Village	Pahari
9	Taluka/Mandal	Maihar
10	District	Maihar
11	Pin code	485771
12	State	Madhya Pradesh
13	Post Office	Maihar
14	Nearest Police Station	Maihar
15	Nearest Railway Station	Maihar
16	Date of Grant of Mining Lease	30/09/2081
17	Date of Execution	30/09/2081
18	Date of opening of Mine	30/09/2081
19	Date of First Renewal, if applicable and its period & expiry	11/11/2011,30 years w.e.f. 30/09/2001
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	
22	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Amit Kumar Rai Address : Rai Bhawan Katni Road, P. O. Maihar Distt. Maihar (M.P.) 485771 Mobile No. : 9425173094 Email ID : raico34@yahoo.com

1/34027/2024	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 Amit Kumar Rai, Address, phone, email, fax number-As stated above Date of appointment-NA
24		
25	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri Amit Kumar Rai, BE(Mining Engineering) address, phone, email, fax number-As stated above Date of appointment-NA
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. 1/08/2007(MP) 2. 28/08/2014(SOM) 3. 10/06/2016(SOM)
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 01/03/2021 Proposal period- 2021-22 to 2025-26
29	Mineral(s) granted in lease and approved for Mining	Limestone
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	00	Nil	Entire mineralized area explored under G1 level before the year under review. However, GSR based on additional exploration not submitted.
1b	Exploration over lease area for Geological axis 1 or 2.	Not proposed	NOT applicable	
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	122-128482	122- 130632	
1f	General remarks of Inspecting officer on geology, exploration etc.	Entire lease area had come into G1 level after completion of proposed exploration work against the year under review i.e.2021-22. Based on additional exploration Geological Study Report has not been yet submitted. There is site deviation related with site of exploitation of mineral mainly due to acquisition of land for which violation under rule 11(1) has been pointed out through violation letter dated 06/06/2024. Lessee agreed about above deviation and assured for submission of Modification in approved mining plan. Thus, reassessment of reserves has to be done for the modification of approved mining plan.		

Development

S.N .	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	It was proposed to do development work towards Northern portion of the ML area	Actual working is far away from the proposed site of working	Deviation pointed out through violation of rule 1191) vide letter dated 06/06/2024.
2b	Separate benches in top soil overburden and mineral (Rule 15)	It was proposed to develop and maintained one soil bench of 3 m, one bench in shaly limestone of 4.0m bench height and one bench of 7.0m height in limestone.	As per proposal one-bench each in soil, shaly limestone and in limestone	
2c	Stripping ratio or ore to OB ratio	1:1.15	Reportedly as per proposal i.e. 1:1.15	
2d	Quantity of topsoil generation in m ³	8550	8500	
2e	Quantity of overburden generation in m ³	18480	18400	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Although, height and width of different benches were found maintained as per proposal. Pit was found slightly deepened than the proposed one. There is deviation w.r.t. site proposed in approved MPLN for which violation of rule 11(1) pointed out through violation letter dated 06/06/2024.		

Exploitation

S.N .	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	01	01	-
3b	Quantity of ROM mineral production proposed (2022-23)	58800tones	56700 tones	-
3c	Recovery of Salable/usable mineral from ROM production	80%	80%	-
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		

1/34027/2024	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	Yes	-	
3m	Total area covered under excavation /pits	3.28 Ha	3.0 ha	-	
3n	Ore to OB ratio for the pit/mine during the year	1:1.15	1:1.15	-	
3o	Total area put in use under different heads at the end of year	4.28 ha	4.18 ha	-	
3p	Production of ROM mineral during the last five-year period as applicable	2019-20	53097	52660	
		2020-21	66710	63200	
		2021-22	58800	58800	
		2022-23	60200	60150	
		2023-24	58800	56700	
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 topsoil, OB & mineral reject (Rule 32,33)	Partial dumping of reject stone proposed	As per proposal	
4b	Location of topsoil, OB & mineral reject dumps	proposed in the north west portion of the ML	As per proposal	
4c	Number of Dumps within lease area and outside lease area	Two dumps within the lease area	Two dumps are present within the lease area	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Outside the UPL	Dump are located outside the UPL	
4e	Number of Active & Alive dumps	02	02	
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	Nil	Nil	Nil

1/34027/2024	4i	Length of Retaining wall or garland drain all along dump	Not proposed	Around 300 to 350 meters retaining wall already prepared	-
	4j	Number of settling ponds	Nil	Nil	Nil
	4k	Specific comments of inspecting officer on waste dump management	waste and mineral are being stacked separately, retaining wall prepared around the dumps for protective measures.		

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 proposed	Full extraction of mineral in process	Nil
5b	Area under backfilling of mined out area	Backfilling proposed over worked out area from where mineral exploited during last years approved proposals.	Complete extraction of mineral from such an area is not done so far. Extraction of mineral from such area is going on.	Deviations noticed and accordingly pointed out through violation of rule 11(1) vide letter dated 30/06/2024.
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	proposed	Generated top soil utilized concurrently for restoration of mined out area.	Nil
5d	Total area fully reclaimed & rehabilitated	Proposed	Complete reclamation and rehabilitation stage not reached.	Nil
5e	General remarks of inspecting officer on backfilling, reclamation etc.	Backfilling started but complete reclamation and rehabilitation stage yet to be come.		

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)	1.61	0.030	Nil
	ii) Afforestation done (ha)	0.21	0	As per AR
	iii) No. of saplings planted during	250	About 100 saplings	

I/34027/2024	the year		planted during the year were seen during inspection	
	iv) Cumulative no. of plants	550	About 300 saplings planted during the year were seen during inspection	
	v) Any other specific method of rehabilitation	NA	NA	Nil
	vi) Cost incurred on watch & care during the year	Not proposed.	Not available.	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	1.61 0.12 250 no Not proposed Not proposed	0.030 0.030 100 no NA NA	Nil
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	100 No 500sqm plantation	100 no. 500sqm Plantation	Nil
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 screening at mine site	ROM is being dispatched after screening at mine	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	mechanical method	screening method is being used for segregation	Nil
7c	Different grade of mineral sort out at mine	Not proposed.	Not applicable. Entire ROM ore proposed for supply in to cement Plant for cement manufacturing.	-
7d	Any beneficiation process at mines	NA	Nil	Nil

1/34027/2024	General remarks of inspecting officer on Mineral conservation & beneficiation issues	There is no mineral rejects/subgrade generation. ROM is being screened at mine site before dispatch.
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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	Proposed	As per proposal	Nil
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Proposed only for reject stone.	As per proposal	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Used in Backfilling & plantation.	As per proposal	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposed	Phased restoration reclamation started.	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%	40%	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 April-23 and AR of 2022-23 has been submitted	AR for 2023-24 not submitted so far. Information furnished as per AR,2022-23.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Name of the Mining Engineer: Shri Shubham Nikhar Geologist: Shri Brijesh Prasad Mishra	Shri Subham Nikhar has resigned. Shri Amit Kumar Rai, partner of the lease holder is qualified Mining

I/34027/2024			Engineer and he is himself looking after the mine.
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: 2.16ha. Roads and Infra. : 0.00 ha. OB/waste dump: 0.5 ha. Occupied by plant .. etc. 0.7 Green Belt: 0.20 ha. Progressive mine closure plan- 0.030hect.	OK
9d	Scrutiny of Annual return on Afforestation	Afforestation as per AR 85saplings planted in the lease area with survival rate of 40% Out side of lease area	Survival rate is too low. Matter discussed with ME and advised him for appropriate action for betterment of survival rate.
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 -233.550 Tonnes Cement Grade	OK
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex mine Price & sale value both are : Rs.391.70, Cost of production = Rs. 342.61	OK
9i	Scrutiny of Annual return on Fixed assets	Fixed assets – Rs. 10071824/-	OK
9k	Scrutiny of Annual return on mining Machinerries	FRONT END LOADER - One DUMPER 10 TONNE - One DUMPER 16 TONNE - One WATER TANKER 20000LITRE - One PUMPS (NON-ELEC.) - One	OK

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**
2. **Rule- 27(2) of MCDR 2017 dated 06/06/2024**
3. **Rule- 31(4) of MCDR 2017 dated 21/07/2024**

Date: 11/06/2024

Name:- Raghubir Sharan garg

Designation: Assistant Controller of Mines