

INSPECTION DATASHEET For The Year 2023-24**General**

S.N.	Particulars	Details
1	Name of the Mine Date of Inspection: Name of Inspecting Officer	Amehta limestone mine 13.90 hectares 29/05/2024 Shri Abhishek Ranjan Gautam (Assistant Mining Engineer)
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non forest land-13.90 hect Forest land-0.00 hect
3	Mine code	38MPR47043
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/5884/2011
5	Last Inspection Details	30/06/2023 by shri Robert Simon c(ACOM)
6	Mine official present during the inspection	Varun Grover (Lesse representative) and others mine officials
7	Name of the Lease, Address, Phone, email and fax number	Shri Ravi Kumar Grover, Civil lines Katni 483501 Email id-varun.grover510@gmail.com Mob no-9893311442
8	Village	Amehta
9	Taluka/Mandal	Vijayraogarh
10	District	Katni
11	Pin code	483501
12	State	Madhya pradesh
13	Post Office	Kahangaon
14	Nearest Police Station	Kymore
15	Nearest Railway Station	Jhukehi
16	Date of Grant of Mining Lease	10.10.1976
17	Date of Execution	10.10.1976
18	Date of opening of Mine	10.10.1976
19	Date of First Renewal, if applicable and its period & expiry	09.02.1998
20	Date of Second Renewal, if applicable and its period & expiry	05.06.2015
21	Date of submission of renewal application if Mining Operations are continuing under deemed extension	N/A
22	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	SHRI RAVI KUMAR GROVER, CIVIL LINES KATNI
23	Name of the Mine Agent with Address, phone, email,	SHRI VARUN GROVER, CIVIL LINES KATNI

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	fax number and date of appointment	
24	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	SHRI Ravi Kumar Saraf, Mining Engineer Address- Amdara, Satna Date of joining - 21.03.2020 9754175389 Varun.grover510@gmail.com
25	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	SHRI Ravi kumar saraf mining engineer Address-amdara satna Date of joining-21.03.2020 9754175389 Varun.grover510@gmail.com
26	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes Praveen Kumar Rawat 25/03/2022
27	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	29/07/2021
28	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-24/21-22
29	Mineral(s) granted in lease and approved for Mining	Limestone, Dolomite
30	Method of Mining (Opencast, Underground)	Opencast
31	Category (Fully Mechanized, Others or Manual)	Semi mechanized
32	Captive/Non-Captive	Non captive

Exploration

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Not proposed	Not applicable -	
1b	Exploration over lease area for Geological axis 1 or 2.	Not proposed	Area already explored in G-1	
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- 847387 Tones 122 – 1034575 Tones		
1f	General remarks of Inspecting officer on geology, exploration etc.	The ML area belongs to Vindhyan super group of rocks in the Kymore series of limestone in the Katni district. The limestone of the area is hard and compact and shale patches are found with the limestone.		

Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Development was proposed in the entral part of the ml in the	Working was done in the central part of the ml in the block a as	

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		block A.	the whole block A is opened for mining.	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	1 bench top soil 2 bench ob 4 bench minerals	Separate Benches are maintained in the soil 1.5-2 m, mineral benches 6 meter working face varies for the movement of machineries	
2c	Stripping ratio or ore to OB ratio	1:0:33	1:0:40	
2d	Quantity of topsoil generation in m ³	5790 cum	5510 cum	
2e	Quantity of overburden generation in m ³	17488 cum	17100 cum	
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	One pit	One pit	
3b	Quantity of ROM mineral production proposed (2023-24)	139907 mt	138950 mt	
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			
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	Mechanized	Mechanized	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	No analysis or beneficiation study carried out for sub- grade mineral and reject	
3j	Provision of drilling & blasting in mineral benches	37 mm to 110 mm	37 mm	
3k	Provision of mining machineries in mineral benches	L&T pc 200(1.2 cum)210 hp	L&T pc 200(1.2 cum)210 hp	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Ob 7 mtrs mineral 7 mtrs	Ob 7 mtrs minerals 7 mtrs	
3m	Total area covered under excavation /pits	7.25 hect	7.010 hect	
3n	Ore to OB ratio for the pit/mine during the year	1:0:33	1:0:40	
3o	Total area put in use under different	10.90hect	10.80hect	

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	heads at the end of year			
3p	Production of ROM mineral during last five-years period, as Applicable	Year	Proposal	Achievement
		2019-20	147360	91404
		2020-21	118440	118240
		2021-22	139975	85610
		2022-23	138625	133325
		2023-24	139907	138950
3q	General remarks of inspecting officer on method of mining etc	Opencast mechanised method of mining were being adopted in the lease area. All operation of mining such as development, winning of ore, loading and transport were being carried out by utilising HEMM. The drilling and blasting is done of hole dia up to 48 mm and depth less than 3m. The grade of limestone is BF.		

Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Proposed	separate dumping was done for the soil and waste within the ml area in different block	
4b	Location of topsoil, OB & mineral reject dumps	it was proposed in the western side of the block a and in the block b	waste dumps are located in the western side of the ml area and soil dump is in the block b	
4c	Number of Dumps within lease area and outside lease area	1	1	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Within the UPL	Within the 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	Not proposed	Already Constructed	
4i	Length of Retaining wall or garland drain all along dump	Not applicable	Not applicable	
4j	Number of settling ponds	Not applicable	Not applicable	
4k	Specific commends of inspecting officer on waste dump management	Waste dump management carried out as per proposal.		

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 backfilling proposed.	Full extraction of mineral from mined out area before starting backfilling adopted	
5b	Area under backfilling of mined out area	0.85 ha	0.85 ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	PLANTATION	SOIL IS PROPOSED TO BE USED PLANTATION OVER THE BARRIER ZONE	
5d	Total area fully reclaimed & rehabilitated	0.85 ha	0.85 ha	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling & reclamation is being carried out as per approved proposals.		

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	Currently not submitted	
6b	Management of worked/mined out benches	-	-	
	i) Area available for rehabilitation (Ha)	-	-	
	ii) Afforestation done (ha)	0.10	0.10	
	iii) No.of saplings planted during the year	Proposed	Not done	
	iv) Cumulative no. of plants	800	800	
	v) Any other specific method of	-	-	

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	rehabilitation			
	vi) Cost incurred on watch & care during the year	-	-	
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	As per proposal	As per proposal	
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)	Proposed	Carried out periodically	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Plantation on proposed site found not carried out.		

Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM mineral dispatch after grade wise sorting within lease area proposed	ROM mineral dispatch after grade wise sorting within lease area done	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Semi mechanized	Semi mechanized	
7c	Different grade of mineral sort out at mine	BF	BF	
7d	Any beneficiation process at mines	No beneficiation process at mines proposed	No beneficiation process at mines done	

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7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No beneficiation process at mines carried out only ROM mineral dispatch after grade wise sorting within lease area done.
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Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Separate removal and utilization of topsoil proposed	Separate removal and utilization of topsoil done.	
8b	Concurrent use or storage of topsoil	For plantation	As per proposal	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Separate dumps for overburden waste rock proposed	Separate dumps for overburden waste rock maintained	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Use of overburden, waste rock for backfilling proposed.	Use of overburden, waste rock for backfilling done.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Phased restoration, reclamation and rehabilitation of lands by backfilling & plantation proposed	Phased restoration, reclamation and rehabilitation of lands by backfilling & plantation carried out.	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	As per proposal	As per proposal	
8g	Survival rate	70%	70%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on roads to control airborne dust proposed	Water roads sprinkling done	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Aesthetic beauty in and around mine area is fair.		

Compliance of Rule 45

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	Monthly submitted till April 2024	
		Annual will submit before 30.06.2024	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Name of the Mining Engineer: Geologist: Mining engineer - Shri Ravi kumar saraf Geologist – Shri Praveen kumar Rawat	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	AR Not submitted	
9d	Scrutiny of Annual return on Afforestation	Plantation on proposed site found not carried out	Violation pointed out
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	AR Not submitted	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	AR Not submitted	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	AR Not submitted	
9i	Scrutiny of Annual return on Fixed assets	AR Not submitted	
9k	Scrutiny of Annual return on mining Machineries	L&T pc 200(1.2 cum)210 hp	

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
2. Rule – 31(4) of MCDR 2017 dated
3. Rule – 33 of MCDR 2017 dated
4. Rule – 34A(3) of MCDR 2017 dated

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Date:

Name: Shri Abhishek Ranjan Gautam

Designation: Assistant Mining Engineer