

INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT AND REGULATION DIVISION
MCDR Inspection REPORT
Jabalpur Regional office

General Information

S.N	Particulars		Details
1	Name of the Mine	:	Amehta Limestone Mine 10.01 Hect
	Date of Inspection:	:	27-06-2024
	Name of Inspecting Officer	:	Shri Kathroju Naveen (Sr. A.COM.)
2	Total Lease Area (Ha) with breakup of non-forest and forest land	:	Forest Land – 0.00 Hect Non-Forest Land - 10.01 Hect
3	Mine code	:	38MPR47050
4	IBM Registration Number under rule 45 of MCDR,1988	:	IBM/749/2011
5	Name of the Lease, Address, Phone, email and fax number	:	Smt. Sumitra Grover Address- B.D. Agrawal Ward No 25, Civil Line Katni (M.P.) -483501 Email- ranjan_grover4@yahoo.com Mob No- 97524-88888,
6	Village	:	Amehta
7	Taluka/Mandal	:	Vijayraghavgarh
8	District	:	Katni
9	Pin code	:	483775
10	State	:	M.P.
11	Post Office	:	Kahangaon
12	Nearest Police Station	:	Vijayraghavgarh
13	Nearest Railway Station	:	Jhukehi
14	Date of Grant of Mining Lease	:	06-10-1986
15	Date of Execution	:	03-01-1987
16	Date of opening of Mine	:	03-01-1987
17	Date of First Renewal, if applicable and its period & expiry	:	03-01-2007 to 02-01-2027 (20 Years)
18	Date of Second Renewal, if applicable and its period & expiry	:	03-01-2027 to 02-01-2037 (10 year)
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	:	-
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	:	Smt. Sumitra Grover Address- B.D. Agrawal Ward No 25,

			Civil Line Katni (M.P.) -483501 Email- ranjan_grover4@yahoo.com Mob No- 97524-88888,
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	:	-
22	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	:	Shri Manoj Kumar Roy
23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	:	Shri Manoj Kumar Roy Address- Katni (M.P.) -483501 Email- roymanoj8@gmail.com Mob No- 6200082537
24	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	:	Yes
25	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	:	MP/Katni/Limestone/RMP-23-/2022-23-2327 DTED 05-08-2022
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	:	
27	Mineral(s) granted in lease and approved for Mining	:	Limestone
28	Method of Mining (Opencast, Underground)	:	Opencast
29	Category (Fully Mechanized, Others or Manual)	:	Mechanized
30	Captive/Non-Captive	:	Non-Captive

Exploration

S.N	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Not proposed	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	5 Boreholes (150 Mtrs)	5 Boreholes (150 Mtrs)	
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.	Proposed to bring in G1 Level	Exploration completed.	
1e	Balance reserves as on 01.04.2024	22,49,911 T	22,60,658T	
1f	General remarks of Inspecting officer on geology, exploration etc.	As per the last approved Review of Mining Plan dated 05/08/2022 the balance reserves available as on 01.04.2022 are 122 24,49,908 T out of which it is proposed to produce 1,99,997 T against which it is produced 1,89,250 T thus the balance reserves are 22,60,658 T.		

Development

S.N .	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	North-East	North-East	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Proposed separate Benches	Top soil bench 2-3m	
2c	Stripping ratio or ore to OB ratio	1:0.12	1:0.12	
2d	Quantity of topsoil generation in m ³	11281	11310	
2e	Quantity of overburden generation in m ³	Not proposed	7780	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Dump handling has not been carried out and OB dump extending outside eth lease against which the violation is issued under Rule 11(1).		

Exploitation

S.N .	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	1	1	
3b	Quantity of ROM mineral production proposed (2023-24)	99999 MT	99900 MT	
3c	Recovery of Salable/usable mineral from ROM production	99999 MT	99900 MT	
3d	Quantity of mineral reject generation	Not proposed	Nil	
3e	Grade of mineral reject generation and threshold value declared	Not proposed	Nil	
3f	Quantity of sub-grade mineral generation	Not proposed	Nil	
3g	Grade of sub-grade mineral generation	Not proposed	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	Nil	
3j	Provision of drilling & blasting in mineral benches	Yes	Yes	
3k	Provision of mining machineries in mineral benches	Yes	HEMM deployed	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6	6	
3m	Total area covered under excavation / pits	5.205	5.205 ha	
3n	Ore to OB ratio for the pit/mine during the year	-	-	
3o	Total area put in use under different heads at the end of year	9.255	OC working : 5.205 ha. Waste Disposal : 3.50 ha. Infraction : 0.110 ha.	
3p	Production of ROM mineral during	2019-20	99960	99170

	last five-years period, as Applicable	2020-21	99960	99750.89	
		2021-22	100200	99900	
		2022-23	99998	89350	
		2023-24	99999	99900	
3q	General remarks of inspecting officer on method of mining etc	Backfilling has not been carried out as proposed and OB dump extending the outside lease area against which the violation is issued under Rule 11(1).			

Solid Waste Management-Dumping

S.N	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Not proposed	7780 Cu.,	
4b	Location of topsoil, OB & mineral reject dumps	One	One	
4c	Number of Dumps within lease area and outside lease area	1	1	Violation is issued under Rule 11(1).
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	-	Dump extending the lease Boundary	
4e	Number of Active & Alive dumps	Nil	Nil	
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	
4i	Length of Retaining wall or garland drain all along dump	200 METER	200 METER	
4j	Number of settling ponds	Nil	Nil	
4k	Specific commends of inspecting officer on waste dump management	The Dump present in the lease is extending beyond the mining lease boundary against which violation is issued under Rule 11(1).		

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	Proposed to fill 7.5m barrier zone	Not carried out	Violation is issued under Rule 11(1).
5b	Area under backfilling of mined out area	2400 Sq.m	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Proposed concurrent use	As per proposal	
5d	Total area fully reclaimed & rehabilitated	Not proposed	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling has not been carried out as proposed against which the violation is issued under Rule 11(1).		

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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	YES	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (Ha)	Not proposed	Nil	
	ii) Afforestation done (ha)	0.20	0.20	
	iii) No.of saplings planted during the year	200	Nil	Violation is issued under rule 11(1).
	iv) Cumulative no. of plants	445	Not as per proposal	
	v) Any other specific method of rehabilitation	Not proposed	Nil	
	vi) Cost incurred on watch & care during the year	Not proposed	NA	
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	i. 2400SQ., ii. Not proposed iii. Not proposed iv. Not proposed v. Not proposed	i. Not carried out ii. Not carried out iii. Not carried out iv. Not carried out v. Not carried out	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	Proposed 200 Nos of saplings during the RY	Not carried out	Violation is issued under Rule 11(1).
6e	Compliance of Environment monitoring (core zone & buffer zone)	YES	As Per Permissible Limit	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Backfilling has not been carried out as proposed and plantation has not been carried out as proposed against which the violation is issued under Rule 11(1).		

Mineral Conservation

S.N	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM dispatch proposed	ROM dispatch carrying out.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not proposed	NA	
7c	Different grade of mineral sort out at mine	Not proposed	NA	
7d	Any beneficiation process at mines	Not proposed	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Produced ROM is being reported as Dispatched.		

Environment

S.N	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Proposed separate Top soil	As Per Proposal	
8b	Concurrent use or storage of topsoil	Proposed	As Per Proposal	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Waste dump 1	Waste dump on southern side.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Nil	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	200 sapling during the RY	Not carried out	Violation is issued under rule 11(1).
8g	Survival rate	80%	NA	
8h	Water sprinkling on roads to control airborne dust	Proposed	As per the proposal.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Plantation has not been carried out as proposed against which the violation is issued under rule 11(1).		

Compliance of Rule 45

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	Submitted on time	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Manoj Kumar Roy Geologist : Arvind Tarmarkar	Date of appointment 01.04.2019.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use pattern area are Pits 5.205 ha Used for waste disposal : 3.500 ha infrastructure : 0.110 ha	As per AR
9d	Scrutiny of Annual return on afforestation	Plantation done Within the lease 200	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	No mineral rejects have been generated from the lease area.	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	20T of limestone stock is reported.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex. Mine Price 400/- Sale Value 400/-	
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets 1,26,55,523/-	
9k	Scrutiny of Annual return on mining Machineries	BACK HOE 1.2 cum 01 DUMPER 16 T 05 DUMPER 12 T 01 WATER TANKER 5KL 01 Air Compressor 01 Pumps 650 L/mn 01	

S.No	Violation Rule	Date of Violation issued	Compliance received	Date of Show Cause issued	Compliance received
1	Rule 11(1)	02.09.2024	--	--	--
2	Rule 31(4)	02.09.2024	--	--	--

Kathroju Naveen
Senior Assistant Controller of Mines