

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

Mine code: 38MPR35150

General Information

S.N.	Particulars	Details
1	Name of the Mine	Tamoria Limestone Mine, Area 42.567 ha.
	Date of Inspection:	26.08.2024
	Name of Inspecting Officer	Shri Naveen Kathroju, Senior Assistant Controller of Mines
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	42.567 ha. (non-forest)
3	Mine code	38MPR35150
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/1171/2011
5	Name of the Lease, Address, Phone, email and fax number	M/S S.N.S. (Minerals) Private Limited, Sunderson House, N.H. 7, Rewa Road, Maihar, Distt.- Satna (M.P.) Pin - 485771. Phone : 07674- 232042, Email : snsahr@gmail.com
6	Village	Tamoria
7	Taluka/Mandal	Maihar
8	District	Maihar
9	Pin code	485772
10	State	Madhya Pradesh
11	Post Office	Bathiya
12	Nearest Police Station	Nadan
13	Nearest Railway Station	Maihar, District – Stana
14	Date of Grant of Mining Lease	24.04.2001
15	Date of Execution	24.04.2001
16	Date of opening of Mine	--
17	Date of First Renewal, if applicable and its period & expiry	Not applicable.
18	Date of Second Renewal, if applicable and its period & expiry	Not applicable.
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not applicable.
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri S.P. Tiwari, Address- S.N.S. (Minerals) Private Limited, Sunderson House, N.H. 7, Rewa Road, Maihar, Distt. : Maihar, Date of Appointment: 20.07.2021
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri S.P. Tiwari, Address- S.N.S. (Minerals) Private Limited, Sunderson House, N.H. 7, Rewa Road, Maihar, Distt. : Maihar, Date of Appointment: 20.07.2021
22	Name of the Mine Manager with Address, phone, email, fax number and date of	Shri Goutam Karmakar, Address- S.N.S. (Minerals) Private Limited,

	appointment in mines	Sunderson House, N.H. 7, Rewa Road, Maihar, Distt. : Satna, Date of Appointment: 01.03.2022
23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri Goutam Karmakar, Address- S.N.S. (Minerals) Private Limited, Sunderson House, N.H. 7, Rewa Road, Maihar, Distt. : Satna, Date of Appointment: 01.11.2018
24	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes, Shri Manoj Kumar Tripathi, Geologist was appointed on 01.10.2020 and Shri Goutam Karmakar, Mining Engineer was appointed on 01.03.2022
25	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	19.03.2021, Modification in Approved Mining Plan for the period 2021-22 to 2025-26
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	NA
27	Mineral(s) granted in lease and approved for Mining	Limestone
28	Method of Mining (Opencast, Underground)	Open Cast
29	Category (Fully Mechanized, Others or Manual)	Category "A" (Full 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.	G1 Level achieved.	06 BH drilled in 2023-24 out of proposal of M. Plan	--
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not Proposed	South Eastern Exploration, Raipur.	--
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Proposed to bring the entire lease area under G1	G1: 39.987 ha. G2: 2.58 ha.	--
1e	Balance reserves as on 01.04.2024	7.685733 MT	7.693191 MT	--
1f	General remarks of Inspecting officer on geology, exploration etc.	As per the last approved Mining Plan dated 19/03/2021 the reserves available as on 01/03/2021 were 87,85,316 T out of which it was proposed to produce 1099583 T against which reportedly 1092125 T produced thus the reserves available as on 01.04.2024 were 7693191 T.		

Development

S.N	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	2687398 N to 2687800 N 489339 E to 490020 E	Deviation in the proposed location observed	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	OB-1 bench (3 m x 3 m), Shale- 1 bench (7m x 7m) LS- 3 bench (7 m x 7 m)	OB-1 bench (3 m x 3 m), Shale- 1 bench (7m x 7m) LS- 3 bench (7 m x 7 m)	--
2c	Stripping ratio or ore to OB ratio	1:1.21	1:1.21	--
2d	Quantity of topsoil generation in	3475 cum	3400 cum	--

	m ³			
2e	Quantity of overburden generation in m ³	265184 cum	260000 cum	--
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	The deviation in the proposed location of development observed where as the lessee has submitted the modification in compliance of the same.		

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)	365227 Ton		363500 Ton	--
3c	Recovery of Salable/usable mineral from ROM production	Not Proposed		NIL	--
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	Not Proposed		NIL	--
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		YES	--
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	20.537		20.71	--
3n	Ore to OB ratio for the pit/mine during the year	1:1.21		1:1.21	--
3o	Total area put in use under different heads at the end of year	18.720 ha.		18.72 ha.	--
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20	276225 MT	276000 MT	
		2020-21	279798 MT	279200 MT	
		2021-22	364731 MT	360000 MT	
		2022-23	369625 MT	368625 MT	
		2023-24	365227 MT	363500 MT	
3q	General remarks of inspecting officer on method of mining etc	Open cast mechanized method of mining will be adopted in the lease area in future as carried out in past. All operations of mining such as development, winning of ores, drilling, blasting, loading and transport will be carried out by using HEMM.			

Solid Waste Management-Dumping

S.N .	Item	Proposals	Actual Work	Remarks
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4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Not proposed in 2023-24	Existing dump of Top soil & OB / Reject Stone & Mineral.	--
4b	Location of topsoil, OB & mineral reject dumps	Not proposed in 2023-24	NA	-
4c	Number of Dumps within lease area and outside lease area	OB / Reject Stone	1 Existing Soil dump 2 OB / Reject stone dump 2 Mineral stacks	Within lease area.
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	Nil	--
4e	Number of Active & Alive dumps	No	No	--
4f	Number of dead dumps	Not proposed	No	--
4g	Number of dumps established	Not proposed	No	--
4h	Whether Retaining wall or garland drain all along dumps are there	Not proposed	No	--
4i	Length of Retaining wall or garland drain all along dump	Not proposed	No	--
4j	Number of settling ponds	Not proposed	No	--
4k	Specific comments of inspecting officer on waste dump management	OB/waste has been used in backfilling in mined out area.		

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	Yes	Yes	--
5b	Area under backfilling of mined out area	0.650 ha	0.650 ha	--
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Top soil is proposed to use for plantation.	Top soil has been used for plantation.	--
5d	Total area fully reclaimed & rehabilitated	Proposed	1.43 ha.	--
5e	General remarks of inspecting officer on backfilling, reclamation etc	Reclamation has been done by backfilling as per proposal in 2023-24.		

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	Submitted	--
6b	Management of worked/mined out benches			
	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	Not proposed	NA	--
	vi) Cost incurred on watch & care during the year	Not proposed	NA	--
6c	Compliance on reclamation and rehabilitation by backfilling (2023-24)			
	i) Voids available for backfilling (L*B*D)	0.650	0.650	--
	ii) Void filled by waste/tailings	0.650	0.650	
	iii) Afforestation on the backfilling	0.100	0.100	
	iv) Rehabilitation by making water reservoir	NA	NA	
	v) Any other specific means	NA	NA	
6d	Compliance of Rehabilitation of waste land within lease			
	i) Afforestation	Not proposed	NA	--
	ii) Area rehabilitation	Not proposed	NA	

	iii) Method of rehabilitation	Not proposed	NA	
6e	Compliance of Environment monitoring (core zone & buffer zone)	YES	YES	--
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	PMCP compliance submitted for 2023-24 .		

Mineral Conservation

S.N .	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	Direct dispatch of Lime stone from ML/ mine.	Direct dispatch of Lime stone from ML/mine.	--
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical	Mechanical	--
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	Mineral beneficiation not proposed the produced ROM is being dispatched.		

Environment

S.N .	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Proposed	Utilization of Top Soil.	--
8b	Concurrent use or storage of topsoil	Proposed	Topping of B/F area for plantation.	--
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Not Proposed	Nil	--
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Overburden and waste are proposed for back filling.	Overburden and waste has been used for backfilling.	--
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposed	As per proposal	--
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Proposed 1000 saplings inside the lease area.	1000 saplings planted in Backfilled area.	--
8g	Survival rate	Not Proposed	90%	--
8h	Water sprinkling on roads to control airborne dust	Proposed	Water sprinkling carried out.	--
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Aesthetic beauty is full within lease area by dense plantation and outside the lease area from agriculture land.		

Compliance of Rule 45

S.N.	Item	Comments				Remarks
9a	Status of submission of monthly and Annual returns	Monthly Return submitted upto July 2024 Annual Return submitted upto 2023-24				
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer - Shri Goutam Karmakar Geologist - Shri Manoj Kumar Tripathi				
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(i) Already exploited & abandoned by Opencast (O/C) mining = 0.000 ha. (ii) Covered under current (O/C) Workings = 12.190 ha. (iii) Reclaimed/Rehabilitated : 1.430 ha. (iv) Used for waste disposal: 2.280 ha. (v) Occupied by plant, buildings, residential, welfare buildings & roads : 0.250 ha. (vi) Other Purpose : 2.400 ha. (vii) Work done under progressive mine closure plan during the year: 0.650 ha.				
9d	Scrutiny of Annual return on afforestation	(i) Number of trees planted during the year: 1000 nos in B/F area. (ii) Survival rate in percentage 90%				
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	NIL				
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Cement Grade Closing Stock as on 31.03.2024 = 29514.850 mt				
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Sale value: Rs. 475.35 Ex mine price Rs. 475.35				
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets (in ₹) 57778312.00				
9k	Scrutiny of Annual return on mining Machineries	S. No	MACHINERY	CAPACITY	NO. OF UNITS	--
		1	Air Compressor	175.000 Cum/mn	1	--
		2	Back Hoe	1.000 Cum	3	--
		3	Dumper	15.000 Tonne	6	--
		4	Pump (Non-Elec.)	99999.999 L/MN	2	--
		5	Rock Drill (Non Elec.)	122.000 mm	2	--
		6	Water Tanker	8000 Litre	1	--
		7	Wheel Loader	2.00 Cum	1	--

Kathroju Naveen**Senior Assistant Controller of Mines**