

**MCDR INSPECTION REPORT****General**

<b>S.N.</b>	<b>Particulars</b>	<b>Details</b>
1	Name of the Mine Date of Inspection: Name of Inspecting Officer	Pondi Limestone & Dolomite Mines (4.76 Hect.) 18/11/2024 Robert Simon C
2	Total Lease Area (Ha) with breakup of Non- forest and forest land	Total Lease Area – 4.76 Hect. Forest land - Nil Non forest land – 4.76 Hect.
3	Mine code	38MPR18121
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/614/2011
5	Name of the Lease, Address, Phone, email and fax number	Name of the Lease – S.N. Sunderson & Co. Address- 1, Deshbandhu Gupta Road Paharganj New Delhi Mobile No. 8319023070 Email- contact.katni@snsunderson.com
6	Village	Pondi
7	Taluka/Mandal	Sleemnabad
8	District	Katni
9	Pin code	483442
10	State	Madhya Pradesh
11	Post Office	Bichua
12	Nearest Police Station	Sleemnabad
13	Nearest Railway Station	Niwar
14	Date of Grant of Mining Lease	20.10.1995
15	Date of Execution	20.10.1995
16	Date of opening of Mine	19.02.2020
17	Date of First Renewal, if applicable and its period & expiry	20.10.1995 to 19.10.2015 (For 20 Years)
18	Date of Second Renewal, if applicable and its period & expiry	20.10.2015 to 19.10.2045 (For 30 Years)
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Lease Period upto 19.10.2045
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri. Riju Jauhar S.N.Sunderson & Co.1,Dashbandhu Gupta Road, New Delhi-110055

21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Amit Kushwaha, Flat No. 109 Block 'B' Mittal Enclave, Jhinhari, Katni - 483501 (M.P.), 8319023070, <a href="mailto:contact.katni@snsunderson.com">contact.katni@snsunderson.com</a> 01.03.2024
22	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Amit Kushwaha, Flat No. 109 Block 'B' Mittal Enclave, Jhinhari, Katni - 483501 (M.P.), 8319023070, <a href="mailto:contact.katni@snsunderson.com">contact.katni@snsunderson.com</a> 01.06.2024
23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Amit Kushwaha, B.Tech (Mining), 01 Year 09 Month, Flat No. 109 Block 'B' Mittal Enclave, Jhinhari, Katni - 483501 (M.P.), 8319023070, <a href="mailto:contact.katni@snsunderson.com">contact.katni@snsunderson.com</a> 01.06.2024
24	Name of the Geologist, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Atul Pandey, M.Sc (Geology), 01 Year 04 Month, Flat No. 109 Block 'B' Mittal Enclave, Jhinhari, Katni - 483501 (M.P.), 6261407157, <a href="mailto:contact.katni@snsunderson.com">contact.katni@snsunderson.com</a> 01.11.2023
25	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	24/09/2020- Review of Mining Plan, 2020-21 to 2024-25 (Letter No. MP/Katni/Limestone/RMP-06/2020-21) 15/12/2023- Modification of Mining Plan 2024-25 to 2024-25 (Letter No. E 8587 MCDR-MPC0LST/32/2023-JBP-IBM_RO_JBP) 01/01/2025- Review of Mining Plan, 2025-26 to 2029-30 (Letter No. E12385 MCDR-MPC0LST/83/2024-JBP-IBM_RO_JBP)
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	N.A.
27	Mineral(s) granted in lease and approved for Mining	Limestone & Dolomite
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanized, Others or Manual)	Mechanized
30	Captive/Non-Captive	Non-Captive

**Exploration**

<b>S.N.</b>	<b>Item</b>	<b>Proposals</b>	<b>Actual Work</b>	<b>Remarks</b>
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	Entire area already explored in G-1	Entire area already explored in G-1	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	N.A.	N.A.	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Nil	Nil	
1e	Balance reserves as on 01.04.2024	612418 mt	612418 mt	As Per AR 23-24.
1f	General remarks of Inspecting officer on geology, exploration etc.	The limestone deposit is almost uniformly trending in N 82 degree East-South 82 degree West with 70 to 80 degree dip towards south. The area is structurally simple and evidence of any structural disturbance viz. major fold or fault is not present in the lease area. The deposit hence is Bedded stratiform and tabular deposits of regular habit.		

**Development**

<b>S.N.</b>	<b>Item</b>	<b>Proposals</b>	<b>Actual Work</b>	<b>Remarks</b>
2a	Location of Development w.r.t. lease area	Pit 1, Towards North & South	Pit 1, Towards North & South	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio (2023-24)	1:0.42	1:0.42	
2d	Quantity of topsoil generation in m <sup>3</sup> (2023-24)	2154	1900	
2e	Quantity of overburden generation in m <sup>3</sup> (2023-24)	6229	5125	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.			

**Exploitation**

<b>S.N.</b>	<b>Item</b>	<b>Proposals</b>	<b>Actual Work</b>	<b>Remarks</b>
3a	Number of pits proposed for production	1	1	

3b	Quantity of ROM mineral production proposed (2023-24)	49840.000 M.T.	33781.410 M.T.	
3c	Recovery of Salable/usable mineral from ROM production Waste	80%	80%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	NA	NA	
3f	Quantity of sub-grade mineral generation	NA	NA	
3g	Grade of sub-grade mineral generation	NA	NA	
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	NA	NA	
3j	Provision of drilling & blasting in mineral benches	Yes	Yes	
3k	Provision of mining machineries in mineral benches	Yes	DUMPER 10.000 TONNE 2 Nos;AIR COMPRESSOR 6.000 CUM/MN 1 No;WATER TANKER 5000.000 LITRE 1 No;PUMPS (ELEC.) 2220.000 L/MN 1 No	
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	1.72 ha	1.72	
3n	Ore to OB ratio for the pit/mine during the year	1:0.42	1:0.42	
3o	Total area put in use under different heads at the end of year	2.737 ha	2.52 ha	
3p	Production of ROM/mineable mineral during last five-years period, as Applicable	2019-20	36378	0.000
		2020-21	46930	0.000
		2021-22	49654	49629
		2022-23	49972	49963.760
		2023-24	49840	33781.410

3q	General remarks of inspecting officer on method of mining etc	
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### Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Separate dumping of OB proposed	Separate dumping of OB done	
4b	Location of topsoil, OB & mineral reject dumps	1 OB dump-southeast; 1 OB dump- southwest	1 OB dump-southeast; 1 OB dump- southwest	
4c	Number of Dumps within lease area and outside lease area	02 Dumps within lease area	02 Dumps within lease area	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Within ultimate pit limit	Within ultimate pit limit	
4e	Number of Active & Alive dumps	2	2	
4f	Number of deed dumps	0	0	
4g	Number of dumps established	3	3	
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	As Per Proposal 250x2x1 Mtr.	As Per Proposal 250x2x1 Mtr.	
4j	Number of settling ponds	01	01	
4k	Specific commends of inspecting officer on waste dump management			

### 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	0.1 ha	0.1 ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined	For plantation	For plantation	

	out area (Rule 32)			
5d	Total area fully reclaimed & rehabilitated	0.1 ha	0.1 ha	
5e	General remarks of inspecting officer on backfilling, reclamation etc			

**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	Annual PMCP report it will be submitted before 1 <sup>st</sup> day of July of every year	Annual report of PMCP submitted	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (Ha)	Nil	Nil	
	ii) Afforestation done (ha)	1000 Sqm	1000 Sqm	
	iii) No. of saplings planted during the year	150	150	
	iv) Cumulative no. of plants	360	360	
	v) Any other specific method of rehabilitation	Nil	Nil	
	vi) Cost incurred on watch & care during the year	Nil	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	0.1 ha	0.1 ha	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	Nil	Nil	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Yes	Environment monitoring carried out	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations			

### Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM mineral dispatch	ROM mineral dispatch	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual sorting	Manual sorting	
7c	Different grade of mineral sort out at mine	BF Grade	BF Grade	
7d	Any beneficiation process at mines	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	ROM mineral dispatch after manual sorting done.		

**Environment**

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Separate removal of topsoil for utilizing in plantation	Separate removal of topsoil and utilized in plantation	
8b	Concurrent use or storage of topsoil	Used	Used	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Yes	Yes	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	150	150	
8g	Survival rate	80 %	70%	
8h	Water sprinkling on roads to control airborne dust	Yes	Regular water sprinkling at roads, haul roads done.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area			

**Compliance of Rule 45**

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	MR and AR of 2023-24 to be submitted.	MR and AR of 2023-24 has been submitted online.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	Name of the Mine Manager & Mining Engineer: Amit Kushwaha Name of the Geologist – Atul Pandey
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	(i) Already exploited and abandoned by opencast (O-C) mining 0.000 0.000 0.000 (ii) Covered under current (O-C) Workings 0.000 1.728 1.728 (iii) Reclaimed-rehabilitated 0.000 0.100 0.100 (iv) Used for waste disposal 0.000 0.439



			0.439 (v) Occupied by plant, buildings, residential, welfare buildings and roads 0.000 0.010 0.010 (vi) Used for any other purpose (specify) MAGAZINE, MINERAL STOCK & PLANTATION 0.000 0.460 0.460 (vii) Work done under progressive mine closure plan during the year 0.000 0.000 0.000
9d	Scrutiny of Annual return on afforestation	Given	Afforestation - As per AR 150 saplings planted
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Given	Closing stock (BF Grade): 53953.196 T
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Given	Ex. Mine price –Rs. 623.65/T production costs- Rs. 237.45 /T
9i	Scrutiny of Annual return on Fixed assets	Given	Fixed assets as per AR: Value of Fixed Assets (in ₹) 1297118.
9k	Scrutiny of Annual return on mining Machineries	Given	DUMPER 10.000 TONNE 2 Nos;AIR COMPRESSOR 6.000 CUM/MN 1 No;WATER TANKER 5000.000 LITRE 1 No;PUMPS (ELEC.) 2220.000 L/MN 1 No

Details of Validations observed during current inspection and compliance position of earlier violation pointed out:-

Details of violations observed during current inspection and compliance position of violation pointed out					
Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
Rule 11(1)					

Date: 21.01.25

Robert Simon C

Assistant Controller of Mines

Jabalpur Region, IBM