

**MCDR REPORT****General**

<b>S.N.</b>	<b>Particulars</b>	<b>Details</b>
1	Name of the Mine Date of Inspection: Name of Inspecting Officer	Bhatagawan Sunhera Limestone & Dolomite Mines 22-10-2024 Mr. Robert Simon C
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total Lease Area (Ha) - 17.44 Forest land (Ha) – Nil Non-forest land (Ha) – 17.44
3	Mine code	19MPR47022
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/9078/2012
5	Name of the Lessee, Address, Phone, email and fax number	Name of the Lessee: M/s. Virendra Singh & Sons Address: Satyendra Bhawan, Ram Niwas Singh Marg Katni-483501 Phone: 9425154073 Email: sisodia.saurabhsingh@gmail.c om
6	Village	Bhatagawan Sunhera
7	Taluka/Mandal	Murwara
8	District	Katni
9	Pin code	483501
10	State	Madhya Pradesh
11	Post Office	Murwara
12	Nearest Police Station	Murwara
13	Nearest Railway Station	Murwara
14	Date of Grant of Mining Lease	27.12.2000
15	Date of Execution	27.12.2000
16	Date of opening of Mine	27.12.2000
17	Date of First Renewal, if applicable and its period & expiry	Dated 24.09.2020, from 27.12.2000 to 26.12.2050 for 50 years
18	Date of Second Renewal, if applicable and its period & expiry	Lease extended up to 26.12.2050
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Lease period extended up to 26.12.2050 as per Amended MMDRA Act, 2015
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Vinay Bahadur Singh Sisodia, Satyendra Bhawan Ram Niwas Marg, Bhatta Mohalla, Katni MP Phone:9301887988 Email: sisodiakahnijudyog@gmail.co
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	NA

22	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Shri Ashok Kumar (Mines Manager 1 <sup>st</sup> Class) Address: Jagdalpur CG Phone: 7000037055 Email: <a href="mailto:er.ashoka1@gmail.com">er.ashoka1@gmail.com</a> Date of Appointment: 20/09/2024
23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri Abhishek Kumar Gautam, B Tech Mining Engineering (2 <sup>nd</sup> Class) Address: Katni MP Phone: 6261626949 Date of Appointment: 15/04/2024
24	Name of the Geologist, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Vidya Sagar Sahu, M.Tech. (Applied Geology), 16 years. Address: Flat No 208, Mittal Enclave Katni-483501 Phone: 7987044676 Email: <a href="mailto:Vidyasagar1483@gmail.com">Vidyasagar1483@gmail.com</a> Date of Appointment: 04/01/2023
25	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	<b>Mining Plan</b> LETTER NO. M.P./KATNI /LST/ MPlan/G-18-2000-01 Date of approval: 22/11/2000 Period: Up to 31/03/2005
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	<b>Review of Mining Plan/SOM</b> LETTER NO. MP/KATNI/L.ST. /M.SCH-28/2011-12 Date of approval: 21/08/2006, Period: 2006-07 to 2009-10  <b>Review of Mining Plan</b> LETTER NO. MP/Katni/Lst./RMP-05/202 0-21 Date of approval: 21/08/2020, Period: 2020-21 to 2024-25  <b>Modification of Mining Plan</b> LETTER NO. No. MP/Katni/Limestone/MPLN/MOD-27/2022-23 Date of approval: 13/12/2022, Period: 2022-23 to 2024-25
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)	Fully Mechanized
30	Captive/Non-Captive	Non Captive

### Exploration

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	Not Proposed	Entire 17.44 ha area already explored in G-1.	

1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not Proposed	N.A.	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Not Proposed	Nil	
1e	Balance reserves as on 01.04.2024	<b>Limestone Reserve Proved Reserve (111) 1720281 t</b>	<b>Limestone Reserve Proved Reserve (111) 1720281 t</b>	
1f	General remarks of Inspecting officer on geology, exploration etc.			

### Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Pit 1	The excavation of Quarry was found extended within 7.5m statutory barrier zone and beyond mining lease area between the ML boundary pillars nos. BP-07 to BP-06.	Violation under Rule 11(1) pointed out.
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Separate benches in mineral proposed.	Separate benches in mineral maintained.	
2c	Stripping ratio or ore to OB ratio (2023-24)	NA	NA	
2d	Quantity of topsoil generation in m <sup>3</sup> (2023-24)	Nil	Nil	
2e	Quantity of overburden generation in m <sup>3</sup> (2023-24)	Nil	Nil	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.			

### Exploitation

S.N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	Existing Pit No. 1	Existing Pit No. 1	
3b	Quantity of ROM mineral production proposed in tones (2023-24)	80400 MT	7305 MT	Violation under Rule 11(1) pointed out.

3c	Recovery of Salable/usable mineral from ROM production	100 %	100 %	
3d	Quantity of mineral reject generation	No Mineral rejects found.	No Mineral rejects found.	
3e	Grade of mineral reject generation and threshold value declared	No Mineral Rejects, 34% CaO	No Mineral Rejects, 34% CaO	
3f	Quantity of sub-grade mineral generation	No Mineral sub grade	No Mineral sub grade	
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	Drilling & blasting will be done as per parameter spacing: 3.0m Burden: 2.5m Depth of hole: 5 m Dia of hole: 110m Charge per hole: 3 kg. Powder factor: 6.0 MT/kg.	The same parameter has been followed as per proposal .Drilling & blasting will be done as per parameter spacing: 3.0m Burden: 2.5m Depth of hole: 5 m Dia of hole: 110m Charge per hole: 3 kg. Powder factor: 6.0 MT/kg.	
3k	Provision of mining machineries in mineral benches	Back Hoe Excavator 01 Nos. Dumpers 03 Nos. Drill DTH 01 Nos. Water Tanker with Sprinkler	TIPPER 16.000 CUM 2 Non Electrical Opencast WATER TANKER 2000.000 LITRE 1 Non Electrical Opencast SHOVEL (HYDRAULIC) 1.200 CUM 1 Non Electrical Opencast PUMPS (ELEC.) 1000.000 L/MN 1 Electrical Opencast	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of benches in mineral proposed 6mt	Height of benches in mineral is 6mt	
3m	Total area covered under excavation /pits	3.10 Hect	3.08 Hect	

3n	Ore to OB ratio for the pit/mine during the year	Nil		Nil	
3o	Total area put in use under different heads at the end of year	Mining: 3.10 ha. Roads & Infrastructure: 0.38 ha. OB/waste dump: 0.78 ha. Mineral Storage-0.06 ha Others – 0.32 ha		Mining: 3.08 ha. Roads & Infrastructure: 0.47 ha. OB/waste dump: 0.70 ha. Mineral Storage-0.00 ha Others – 0.49 ha	
3p	Production of ROM mineral during last five-years period, as Applicable	2022-23	86160	6650	
		2023-24	91053	7305	
		2024-25	80400	5208 (August2024)	
3q	General remarks of inspecting officer on method of mining etc				

### Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	<b>No topsoil</b> generation proposed in 2023-24 <b>OB: No OB</b> generation proposed in 2023-24. <b>Mineral reject:</b> not generated	The stacking of overburden material found beyond mining lease near BP-59 to BP-60 and BP-62 to BP-63.	Violation under Rule 11(1) pointed out.
4b	Location of topsoil, OB & mineral reject dumps	<b>No topsoil</b> generation proposed in 2023-24 <b>OB: No OB</b> generation proposed in 2023-24. <b>Mineral reject:</b> not generated	The stacking of overburden material found beyond mining lease near BP-59 to BP-60 and BP-62 to BP-63.	Violation under Rule 11(1) pointed out.
4c	Number of Dumps within lease area and outside lease area	06	06	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Within UPL	Within UPL	
4e	Number of Active & Alive dumps	06	06	
4f	Number of dead dumps	Not proposed	Nil	
4g	Number of dumps established	Not proposed	Nil	

4h	Whether Retaining wall or garland drain all along dumps are there	Garland drain will be prepared all around the dumps and these drains will be diverted to nearest nallah.	Garland drain prepared.	
4i	Length of Retaining wall or garland drain all along dump	100m garland drain	100m garland drain	
4j	Number of settling ponds	Not proposed	NIL	
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	Nil	Nil	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Nil	NIL	
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	
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 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)	0.05	0.05	Green Belt
	iii) No. of saplings planted during the year	300	200	Violation under Rule 11(1) pointed out.
	iv) Cumulative no. of plants	600	The details wrt to the total no.of trees at the end of the year is inconsistent with the details furnished in the annexed PMCP.	Violation under Rule 45(7) pointed out.
	v) Any other specific method of rehabilitation	Not proposed	NIL	
	vi) Cost incurred on watch & care during the year	Not proposed	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	Not proposed	NIL	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	Not proposed	NIL	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Proposed	Compliance of Environment monitoring done .	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations			

**Mineral Conservation**

S.N.	Item	Proposals	Actual Work	Remarks
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7a	ROM mineral dispatch or grade wise sorting within lease area	ROM mineral produced will be supplied to local plant.	ROM mineral produced supplied to local plant.	
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.	SMS	
7d	Any beneficiation process at mines	Not proposed.	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues			

### Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	<b>No topsoil</b> generation proposed in 2023-24	<b>No topsoil</b> generated	
8b	Concurrent use or storage of topsoil	<b>No topsoil</b> generation proposed in 2023-24	No any stack of top soil.	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	<b>No OB</b> generation proposed in 2023-24	<b>No OB</b> generated	
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)	The 0.05 ha. area proposed for plantation on Barrier Zone	0.05 ha. area used for plantation	200 saplings planted 2023-24.
8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	Regular water sprinkling will be maintained to control airborne dust.	Regular water sprinkling at roads, haul roads maintain the SPM concentration within limit result no dust become airborne.	



8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	
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**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	Manager : None Mining Engineer in charge: Abhishek Kumar Goutam Geologist in charge : Vidya Sagar Sahu	PART-1 S.No.07, The details wrt to Manager is not furnished.Violation under Rule 45(7) pointed out.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	Mining: 3.08 ha. Roads & Infrastructure: 0.47 ha. OB/waste dump: 0.70 ha. Mineral Storage-0.00 ha Others – 0.49 ha
9d	Scrutiny of Annual return on afforestation	PART-5 S.No.05 (Trees planted- survival rate). The details wrt to the total no.of trees at the end of the year is inconsistent with the details furnished in the annexed PMCP.	Violation under Rule 45(7) pointed out.
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Given	Nil
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Given	Closing stock at mine-head: 1639.01 T( SMS Grade)
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Given	Ex-mine price- Rs.402.19; production costs-Rs.303.80
9i	Scrutiny of Annual return on Fixed assets	Given	Value of Fixed Assets* (₹ 4309424).
9k	Scrutiny of Annual return on mining Machineries	Given	TIPPER 16.000 CUM 2 No ;WATER TANKER 2000.000 LITRE 1 No ;SHOVEL (HYDRAULIC) 1.200 CUM 1 No ;PUMPS (ELEC.) 1000.000 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 NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
Rule 11(1)					
Rule 45(7)					

Date:22.01.25

Robert Simon C  
Assistant Controller of Mines