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**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

MCDR inspection REPORT

Jabalpur regional office

Mine file No : _____ **Mine code :** 38MPR47035

- (i) Name of the Inspecting : **AKASH ARUN MITTARWAR**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Shri Ajay Singh Prajapati (Mining Engineer) & Shri
Official with Vimal Kumar Tiwari (Geologist)
Designation
- (iv) Date of Inspection : 28-JUN-24
- (v) Prev.inspection date : 10-OCT-23

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BHATGAWAN SUNEHRA (4.20 Hect.)**
- (b) **Registration NO.** : **IBM/10582/2012**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address : _____
State : MADHYA PRADESH
District : KATNI
Village : BHATGAWAN SUNEHRA
Taluka : MURWARA
Post office : KATNI
Pin Code : 483501
FAX No. : N.A.
E-mail : newminerals1@yahoo.com
Phone : 07622506258
- (f) Police Station : MURWARA
- (g) Date of Opening : 08-JUN-2002
- (h) Weekly day of rest : SUN
2. Address for : Shri Kishanchand Thadlani (Lease holder),
correspondance R/O 72, Shahpura, District - Katni (M.P.) - 483501
3. (a) Lease Number : _____
- (b) Lease area : 4.20
- (c) Period of lease : 50 Years (17-APR-2002 TO 16-APR-2052)
- (d) Date of Expiry : 16-APR-2052
4. Mineral(s) granted in lease and approved for Mining : LIMESTONE & DOLOMITE

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5. Name and Address of the

Lessee : Shri Kishanchand Thadlani (Lease holder),
R/O 72, Shahpura, District - Katni (M.P.) - 483501

Owner : Shri Kishanchand Thadlani (Lease holder),
R/O 72, Shahpura, District - Katni (M.P.) - 483501

6. Date of approval of Mining Plan/Scheme of Mining	:	Mining plan under rule 10 MCDR1988	27-MAR-02
		Scheme of Mining under Rule 12(3) Of MCDR1988	30-JUL-13
		Modification of Mining plan under rule 17(3) of MCR 2016	07-NOV-17
		Scheme of Mining plan under rule 12(3) Of MCDR1988	17-OCT-07
		Review of Mining plan under rule 17(3) of MCR 2016	05-SEP-22

Exploration

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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.	No exploration proposals during year 2023-24 for G1/G2 levels	Entire lease area explored up to G2 level.	7 BH were proposed during the period 2022-23 to 2026-27 as per approved RMP. No specific year is mentioned.
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not specified.	Not specified.	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Nil	Nil	
1e	Balance reserves as on 01.04.2023	Nil	Balance reserve as on 01/04/2024 – 122-86106 tonnes (Limestone) & 122-94864 (Dolomite)	
1f	General remarks of Inspecting officer on geology, exploration etc.	Entire lease area explored up to G2 Level of exploration. 7 BH were proposed during the year 2022-23 to 2026-27 as per approved RMP. No specific year is mentioned.		

Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Development was proposed towards Waste of the Pit C.	As per proposal	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Separate bench for Top soil & mineral were proposed	Yes, Separate bench for Top soil & mineral were observed.	
2c	Stripping ratio or ore to OB ratio	1:0.59	N.A.	OB/waste not reported in AR. Violation pointed out under rule 11(1) of MCDR,2017
2d	Quantity of topsoil generation in m ³	3820 tonnes	Nil	Violation pointed out under rule 11(1) of MCDR,2017
2e	Quantity of overburden generation in m ³	1650 tonnes	Nil	Violation pointed out under rule 11(1) of MCDR,2017

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2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development was carried towards Waste of the Pit C as per proposal.
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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)	9290 tonnes	2800 tonnes	Violation pointed out under rule 11(1) of MCDR,2017
3c	Recovery of Salable/usable mineral from ROM production	45%	45%	
3d	Quantity of mineral reject generation	Not proposed	Not applicable	
3e	Grade of mineral reject generation and threshold value declared	Not proposed	Not applicable	
3f	Quantity of sub-grade mineral generation	Not proposed	Not applicable	
3g	Grade of sub-grade mineral generation	Not proposed	Not applicable	
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	Not applicable	
3j	Provision of drilling & blasting in mineral benches	Proposed	Drilling & blasting carried out as proposed.	
3k	Provision of mining machineries in mineral benches	proposed	HEMM is being used in mineral benches for excavation and transportation. Wheel loader- 1 - 2.5 cu.m Dumper – 2 – 15 tonnes Tractor- 1 – 35 HP Pump – 1 – 5 Lit/min	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed	Height of o/b & mineral benches is suitable for method of mining as proposed.	
3m	Total area covered under excavation /pits	1.013 hect.	1.013 hect.	
3n	Ore to OB ratio for the pit/mine during the year	1:0.59	N.A.	OB/waste not reported in AR. Violation pointed out under rule 11(1) of MCDR,2017

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3o	Total area put in use under different heads at the end of year	1.411 hect.		1.167 hect.	
3p	Production of ROM mineral during	2019-20	NIL	2019-20 – NIL	
	last five-years period, as Applicable	2020-21	1804 t	2020-21- NIL	
		2021-22	1564 t	2021-22 – 1244 t	
		2022-23	8580 t	2022-23 – 590 t	
		2023-24	9290 t	2023-24 – 2800 t	Violation pointed out under rule 11(1) of MCDR,2017 for less production.
3q	General remarks of inspecting officer on method of mining etc	Category A mines having adopted mechanized method of mining.			

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 were proposed.	Separate dumping of OB were observed.	
4b	Location of topsoil, OB & mineral reject dumps	Top soil dump on south of lease area on barrier zone. No waste dump proposed.	Top soil dump on south of lease area on barrier zone. No waste dump proposed.	
4c	Number of Dumps within lease area and outside lease area	3 dumps within the lease area	3 dumps within the 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	03 dumps	03 dumps	
4f	Number of dead dumps	Not proposed	Not applicable	
4g	Number of dumps established	Not proposed	Not applicable	
4h	Whether Retaining wall or garland drain all along dumps are there	Not proposed	Not applicable	
4i	Length of Retaining wall or garland drain all along dump	Not proposed	Not applicable	
4j	Number of settling ponds	Not proposed	Not applicable	
4k	Specific comments of inspecting officer on waste dump management	Waste generated are dumped on proposed location for backfilling during the year 2023-24.		

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 is proposed	Full extraction of mineral under progress up to the UPD	
5b	Area under backfilling of mined out area	Pit E & Pit A were proposed for backfilling.	Backfilling not done.	Violation pointed out under rule 11(1) of MCDR,2017
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not Proposed	Not Applicable	
5d	Total area fully reclaimed & rehabilitated	Not proposed	Not Applicable	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Proposed Backfilling not done. Violation pointed out under rule 11(1) of MCDR,2017 for backfilling.		

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	Proposed	Submitted	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (Ha)	Not proposed	Not applicable	
	ii) Afforestation done (ha.)	Not Proposed	Not applicable	
	iii) No. of saplings planted during the year	Not Proposed	Not applicable	
	iv) Cumulative no. of plants	Not specified	Not applicable	
	v) Any other specific method of rehabilitation	Not proposed	Not applicable	
	vi) Cost incurred on watch & care during the year	Not Specified.	Not applicable	
6c	Compliance on reclamation and rehabilitation by backfilling			
	i) Voids available for backfilling (L*B*D)	696 sq. m	Not done	Violation pointed out under rule 11(1) of MCDR,2017
	ii) Void filled by waste/tailings	278 cu.m	Not done	
	iii) Afforestation on the backfilling	Not Proposed	Not applicable	
	iv) Rehabilitation by making water reservoir	Not Proposed	Not applicable	
v) Any other specific means	Not Proposed	Not Applicable		

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6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	100 number of plants were proposed for plantation on barrier zone near BP – 5 to 6.	As per proposal.	
6e	Compliance of Environment monitoring (core zone & Buffer zone)	Proposed	Within prescribed limit.	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Proposed backfilling not done; violation pointed out under rule 11(1) of MCDR,2017. No reclamation & rehabilitation of were proposed.		

Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or gradewise sorting within lease area	ROM mineral dispatch to steel and cement industries	As per proposal	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical	Mechanical	
7c	Different grade of mineral sort out at mine	Cement grade	Cement grade	
7d	Any beneficiation process at mines	Not Proposed	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The limestone dispatched to cement and steel industries directly. No beneficiation process at mines carried out.		

Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Proposed	As per proposal. Stacked on barrier zone near BP-5 to 6.	
8b	Concurrent use or storage of topsoil	Not Proposed	Not Applicable	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Not Proposed	Not Applicable	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposed for backfilling.	Backfilling not done.	Violation pointed out under rule 11(1) of MCDR,2017

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8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Pit E & Pit A were proposed for backfilling.	Backfilling not done.	Violation pointed out under rule 11(1) of MCDR,2017
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Plantation proposed on barrier zone near BP – 5 to 6.	As per proposal	
8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	Proposed	Water sprinkling on roads to control airborne dust carried out with the use of water tanker	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Plantation was done in the proposed location. Needs improvements for aesthetic beauty in and around mine area.		

Compliance of Rule 45:-

S.N.	Item	Proposals	Actual Work	Remarks
9a	Status of submission of Monthly and Annual returns	Submitted both Monthly and Annual Return	Submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer and Geologist	Shri Ajay Singh Prajapati (Mining Engineer) & Shri Vimal Kumar Tiwari (Geologist)	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	Covered under current (O-C) Workings – 1.013 hect. waste disposal – 0.028 hect. Infrastructure – 0.001 hect. Green Belt – 0.125 hect.	
9d	Scrutiny of Annual return on afforestation	100 number of saplings were proposed for plantation	100 saplings are planted.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not Proposed	Not Applicable	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes	ROM closing stock as on 01/04/2024 – 3320	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes	Ex. Mine price - 453.75 and production cost – 50.00	

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9h	Scrutiny of Annual return on fixed assets	Yes	Nil	
9k	Scrutiny of Annual return on mining machineries	Yes	Wheel loader- 1 - 2.5 cu.m Dumper – 2 – 15 tonnes Tractor- 1 – 35 HP Pump – 1 – 5 Lit/min	

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

Rule – 11(1) of MCDR 2017 – dated 30/07/2024

Rule – 33 of MCDR 2017 – dated 30/07/2024

Rule – 35 of MCDR 2017 – dated 30/07/2024

Rule – 45(7) of MCDR 2017 – dated 30/07/2024

Name: Akash Arun Mittarwar
Designation: Assistant Mining Engineer

