

MCDR-MiFLOLST/103/2023-JBP-IBM\_RO\_JBP  
INDIAN BUREAU OF MINES

MINERALS DEVELOPEMNT AND REGULATION DIVISION

I/31275/2024

MCDR inspection REPORT

Jabalpur regional office

Mine file No : MP/KATNI/LST-289

Mine code : 38MPR47136

- (i) Name of the Inspecting : C 004 ) ROBERT SIMON C  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Harsh Mishra (Mine Engineer)  
Official with  
Designation
- (iv) Date of Inspection : 26-SEP-23
- (v) Prev.inspection date : 12-JUL-21

PART-I : GENERAL INFORMATION

1. (a) Mine Name : BADAGOON
- (b) Registration NO. :
- (c) Category : A
- (d) Type of Working : Opencast
- (e) Postal address
- State : MADHYA PRADESH
- District : KATNI
- Village : BADAGAON
- Taluka : BADWARA
- Post office : MURWARA
- Pin Code : 483501
- FAX No. :
- E-mail : aschokchunawala5555@yahoo.com
- Phone : 9165420366
- (f) Police Station : Badwara
- (g) First opening date : 25-MAR-13
- (h) Weekly day of rest : SUN
2. Address for : ASHOK KUMAR GOENKA  
correspondance STATION ROAD KATNI
3. (a) Lease Number : MPR0803
- (b) Lease area : 5.97
- (c) Period of lease : 50
- (d) Date of Expiry : 09-APR-59
4. Mineral worked : DOLOMITE Associated  
LIMESTONE Main

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## 5. Name and Address of the

Lessee : ASHOK KUMAR GOENKA  
GOENKA BHAWAN STATION ROAD  
KATNI MADHYA PRADESH  
Phone:  
9165420366.  
FAX :N. A.

Owner : ASHOK KUMAR GOENKA  
GOENKA BHAWAN ,STATION ROAD  
KATNI MADHYA PRADESH  
Phone:  
9165420366  
FAX : N. A.

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 08-OCT-14  
Plan/Scheme of Mining MP review under 17(1) MCR 2016 28-JUN-19

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## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NA	NA	
1b	Exploration over lease area for geological axis 1 or 2	NIL	NIL	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Entire area already explored in G-1.	
1e	Balance reserve as on 01/04/20	Not specified	111-126995 T	
1f	General remarks of inspecting officers on geology, exploration etc			On the basis of exploration entire area has been considered under G1 category of UNFC upto drilled depth. The limestone is grey in color, massive, compact and fine grained. Small quartz vein, traversing the limestone and dolomite within the area. The area is replete with solution cavities and sub- terrain canyons which are common in lime stone country. These cavities are invariably filled with waste material such as clay, sand kanker and ferruginous limestone.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	Pit no. 2 towards N-W part of the lease area. Pit-3 towards S-W corner of the lease area.	Pit-3 towards S-W corner of the lease area.	Violation pointed out under Rule 11(1).
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	One bench for OB and One bench for Limestone.	
2c	Stripping ratio or ore to OB ratio	1:0.8	1:0.49	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	1420	842	Violation pointed out under Rule 11(1).
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			It was proposed to carryout development from Pit no. 2 towards N-W part of the lease area & Pit-3 towards S-W corner of the lease area. But during inspection it was observed that the development in Pit 2 was lagging behind the approved proposals.Only 842 m3 OB is generated against the proposal of 1420 m3 of OB for the year 2022-23 thereby distorting the stripping ratio. Violation pointed out under Rule 11(1).

## Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	Two	Two
3b	Quantity of ROM mineral production proposed	1775.00	1701.14
3c	Recovery of sailable/usable mineral from ROM production	Not proposed	NA
3d	Quantity of mineral reject generation	Not proposed	Nil
3e	Grade of mineral rejects 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 / Mechanised method adopted for segregating from ROM	Manual	Manual
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Not done
3j	Provision of drilling and blasting in mineral benches	proposed	As per proposal

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3k	Provision of mining machineries in mineral benches	Yes	Type of machinery Capacity of each type of machinery Unit (in which capacity is reported) No. of machinery Electrical Nonelectrical (specify) Used in open cast underground (specify) TIPPER 9.000 CUM 1 Non Electrical Open cast CRUSHER 10.000 T/H 1 Electrical Open cast
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Suitable
3m	Total area covered under excavation/pits	Not specified	2.3 ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.8	1:0.49
3o	Total area put in use under different heads at the end of year	Not specified	2.5 ha
3p	Production of ROM mineral during the last five year period as applicable	2018-19 1544.00 2019-20 1762.00 2020-21 1955.00 2021-22 1978.00 2022-23 1775.00	2018-19 1447.225 2019-20 1549.00 2020-21 1457.00 2021-22 1542.00 2022-23 1701.14

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3q General remarks of inspecting officers on method of mining etc.

It was proposed to carryout development from Pit no. 2 towards N-W part of the lease area & Pit-3 towards S-W corner of the lease area. But during inspection it was observed that the development in Pit 2 was lagging behind the approved proposals. Only 842 m3 OB is generated against the proposal of 1420 m3 of OB for the year 2022-23. Thus, the mining operations in the mine were not being carried out in accordance with the approved Mining Plan document. Violation pointed out under Rule 11(1).

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	Yes	
4b	Location of topsoil, OB and mineral reject dumps	OB dumps near 23°6825'N 80°4834'E	04 small dumps observed near proposed location.	
4c	Number of dumps within lease area and outside of lease area	04	04	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	within UPL	within UPL	
4e	Number of active and alive dumps.	04	04	

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4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not proposed	Garland drain - 400 m (approx. 1m x 1.5 m)	
4i	Length of Retaining wall or garland drain all along dumps	Garland drain around the working pit of the lease area	Garland drain - 400 m (approx. 1m x 1.5 m)	
4j	Number of settling ponds	Not proposed	Not constructed	
4k	Specific comments of inspecting officer on waste dump management			Total 04 small temporary dumps observed near proposed location.

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Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Full extraction proposed	Full extraction adopted.	
5b	Area under backfilling of mined out area	Not specified	0.022 ha on the barrier zone.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not proposed	Not done	
5d	Total area fully reclaimed and rehabilitated	Nil	0.035 ha on the barrier zone.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Backfilling were being carried out in 7.5 m barrier zone.

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Progressive Mine Clousre Plan:

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Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes	Submitted	
6b	Area available for rehabilitation (ha) .	Nil	0.045 ha	
6c	afforestation done (ha) .		0.03 ha	
6d	No. of saplings planted during the year	Not specified	100 nos	
6e	Cumulative no .of plants	Not specified	approx 130 plants in the lease area.	
6f	Any other method of rehabilitation	NA	NA	
6g	Cost incurred on watch and care during the year	NA	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	NA	NA	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NA	NA	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA	

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6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	NA	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NA	NA	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	NA	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NA	NA	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Carried out.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			PMCP operations are carried out as per approved proposals.

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**Mineral Conservation:**

Sl.No.	Item	Propasals	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	Manual	
7c	Different grade of mineral sorted out at mines.	Not specified	Cement grade	

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7d	Any beneficiation process at mines	Not specified	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			ROM (Limestone) dispatched to domestic users directly as marchant miner.

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	Nil	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	04 Overburden dumps observed in lease area.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	Backfilling adopted for restoration.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	Backfilling adopted for restoration.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Yes	105 plants	
8g	Survival rate	Not specified	40%	

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8h	Water sprinkling on roads to control airborne dust	Yes	Carried out.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Plantation observed on the dump area and statutory barrier of 7.5 m around the lease area.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Given	Returns submitted online.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer in charge: Harsh Mishra Geologist in charge : vinod kushwaha	The details in respect of appointment of Mining Engineer & Geologist wrt qualification & experience were not furnished.	Violation pointed out under rule 55.

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9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Lease area (surface area) utilisation as at the end of year (hectares): Under forest Outside forest Total (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 0.625 0.625 (iii) Reclaimed-rehabilitated 0.000 0.038 0.038 (iv) Used for waste disposal 0.000 0.761 0.761 (v) Occupied by plant, buildings, residential, welfare buildings and roads 0.000 0.205 0.205 (vi) Used for any other purpose (specify) 0.000 0.000 0.000	The details wrt to Lease area (surface area) utilisation as at the end of year in respect of Reclaimed-rehabilitated is incorrectly furnished.	Violation pointed out under rule 45(7).
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9d	Scrutiny of Annual return on afforestation	Trees planted- survival rate Description Within lease area Outside lease area i) Number of trees planted during the year 105 16 ii) Survival rate in percentage 40 10 iii) Total no. of trees at the end of the year 42 2	Total no. of trees at the end of the year is incorrectly furnished.	Violation pointed out under rule 45(7).
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given	Production and Stocks of ROM ore at Mine-head Category Opening stock Production Closing stock (a) Open Cast workings 0.000 1701.140 0.000	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	Grade-wise Production, Dispatches, Stocks and Ex-mine prices: Grades** Opening stock at mine-head Production Despatches from minehead Closing stock at mine-head Ex-mine price (?-Tonne) (a) LD Grade (less than 1.5% silica content) 0.000 0.000 0.000 0.000 0.00 (b) SMS 0.000 0.000 0.000 0.000 0.00 (c) BF 0.000 0.000 0.000 0.000 0.00 (d) Chemical 0.000 0.000 0.000 0.000 0.00 (e) Cement 1209.710 1701.140 1114.910 1795.940 473.09	
9h	Scrutiny of Annual return on fixed assets	Given	Value of Fixed Assets (Rs. 1675610)	

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9k	Scrutiny of Annual return on mining machineries	Given	<p>Type of Machinery: Give the following information for the types of machinery in use such as hoist, fans, drills, loaders, excavators, dumpers, haulages, conveyors, pumps, etc.</p> <p>Type of machinery</p> <p>Capacity of each type of machinery</p> <p>Unit (in which capacity is reported)</p> <p>No. of machinery</p> <p>Electrical</p> <p>Nonelectrical (specify)</p> <p>Used</p> <p>in opencast underground (specify)</p> <p>TIPPER 9.000 CUM 1 Non Electrical Opencast CRUSHER 10.000 T/H 1 Electrical Opencast</p>
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Details of violations observed during current inspection and compliance position of violation pointed out					
Violation observed			Showcause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
Rule 11 (1)	09-JAN-24	07-MAR-24			
Rule 26 (2)	09-JAN-24	07-MAR-24			
Rule 45 (7)	09-JAN-24	07-MAR-24			

Date :

(ROBERT SIMON C)

Indian Bureau of Mines