

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

**MCDR inspection REPORT**

**Jabalpur regional office**

**Mine file No :** MP/KATNI/LST-289

**Mine code :** 38MPR47136

- (i) Name of the Inspecting : **KQ06** ) **NARESH KUMAR KATARIYA**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Proprietor-Ankit Goenka, Agent-Gunjan Goenka and othe  
Official with  
Designation
- (iv) Date of Inspection : 12-JUL-21
- (v) Prev.inspection date : 18-MAR-17

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **BADAGOON**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :  
State : MADHYA PRADESH  
District : KATNI  
Village : BADAGAON  
Taluka : BADWARA  
Post office : MURWARA  
Pin Code :  
FAX No. :  
E-mail :  
Phone :
- (f) Police Station :
- (g) First opening date : 25-MAR-13
- (h) Weekly day of rest :
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 : 04-09-2059
4. Mineral worked : DOLOMITE Associated  
LIMESTONE Main

## 5. Name and Address of the

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

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

## 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	03 Bore holes	NIL	Exploration was not carried out against proposal of 03 exploratory bore holes during the year 2020-21. Violation pointed out for the same under rule 11(1) of MCDR-2017.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified	NA	Exploration not carried out in RY 2020-21.
1d	Balance area to be explored to bring Geological axis in 1 or 2	3 Hect	Nil	Exploration was not carried out against proposal of 03 exploratory bore holes during the year 2020-21. Violation pointed out for the same under rule 11(1) of MCDR-2017.
1e	Balance reserve as on 01/04/20		Balance reserve as on 01/04/2021 61993 Tonnes (Limestone)	
1f	General remarks of inspecting officers on geology, exploration etc			Entire area not explored under G-1 category. Exploration was not carried during the year 2020-21. Violation pointed out for the same under rule 11(1) of MCDR-2017.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	Pit no. 1 towards N-W part of the lease area. Pit-3 towards S-W corner of the lease area.	Pit no. 1 towards N-W part of the lease area near coordinates 23°6812'N 80°4851'E	One pit was not developed as per proposal. Mine development was found lagging. Violation pointed out for the same under rule 11(1) of MCDR-2017.
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: 0.75	1:0.9	It was proposed to remove 7038 m3 soil/OB/IB from the pit in the year 2020-21. Dolomite was proposed to excavate as Minor Mineral from the OB/IB. So, the proposed Overburden is 1564 m3 as per available records.
2d	Quantity of topsoil generation in m3	Not proposed	NIL	
2e	Quantity of overburden generation in m3	1564 cu mt	1500 cu mt	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Two pits were observed in the lease area Pit 1 (Towards N-W central part ) and Pit- 3 (Towards S-W corner ). Working is proposed as manual open pit mining. One pit was not developed as per proposal. Mine development was found lagging. Violation pointed out for the same under rule 11(1) of MCDR-2017.
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#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two	Two	
3b	Quantity of ROM mineral production proposed	1955 Tonnes of Limestone	1457 Tonnes of Limestone	
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	NA	
3f	Quantity of sub grade mineral generation.	Not proposed	NIL	
3g	Grade of sub grade mineral generation	Not proposed	NA	

3h	Manual / Mechanised method adopted for segregating from ROM	Small crusher for sizing only	Small crusher for sizing only	
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	Not proposed	Not done	
3k	Provision of mining machineries in mineral benches	Not proposed	Not found during the field visit	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	OB bench of 4m height and Limestone bench of 4m height was observed during the inspection. Manual method of mining is carried out as per available records.
3m	Total area covered under excavation/pits	1.677 Hect	0.625 hect.	One pit was not developed as per proposal. Violation pointed out for the same under rule 11(1) of MCDR-2017.

3n	Ore to OB ratio for the pit/mine during the year.	1: 0.75	1:0.9	Proposed dolomite excavation of 5474 Tonnes was not done in the year 2020-21. But, only 1500 m3 OB removed. Mine development was not done as per approved document. Violation pointed out under rule 11(1) of MCDR- 2017.
3o	Total area put in use under different heads at the end of year	2.618 hect.	1.591 hect.	
3p	Production of ROM mineral during the last five year period as applicable	2020-21 Limestone=1955 2019-20 Limestone=1762 . 2018-19 Limestone=1544 2017-18 Limestone=1544 2016-17 Limestone=1544	2020-21 Limestone=1457.00 2019-20 Limestone=1549.00 2018-19 Limestone=1447.225 2017-18 Limestone=1539 2016-17 Limestone=0.000	

3q	General remarks of inspecting officers on method of mining etc.	OB bench of 4m height and Limestone bench of 4m height was observed during the inspection. Manual method of mining is carried out as per available records. Proposed dolomite excavation of 5474 Tonnes was not done in the year 2020-21. But, only 1500 m3 OB removed. Mine development was not done as per approved document. Violation pointed out under rule 11(1) of MCDR-2017.
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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 dumes near 23°6825'N 80°4834'E	05 small dumps observed near proposed location.	
4c	Number of dumps within lease area and outside of lease area	05 OB/ Minor mineral dumps	05 OB/ Minor mineral dumps	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Temporary dumps	Temporary dumps	
4e	Number of active and alive dumps.	05 active dumps	05 active dumps	

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	Not constructed.	
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 05 small temporary dumps observed near proposed location. The OB from the dumps were used for filling of ramp of the crusher. 02 dolomite dumps were observed seperately stacked.

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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	Full extraction of the mineral was not done due to lagging in the mine development.	Area was not matured for backfilling due to less development and less extraction of minor mineral . Violation pointed out under 11(1) of MCDR-2017.

5b	Area under backfilling of mined out area	0.045 Hect	NIL	Area was not matured for backfilling due to less development and less extraction of minor mineral . Violation pointed out under 11(1) of MCDR-2017.
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	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Area was not matured for backfilling due to less development and less extraction of minor mineral . Violation pointed out under 11(1) of MCDR-2017.

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Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes	Not submitted	Violation pointed out under rule 26(2) of MCDR-2017.
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	Nil	Nil	

6d	No. of saplings planted during the year	Not specified	Within waste land of lease area -70 saplings & Outside the lease area- 50 saplings	
6e	Cumulative no .of plants	Not specified	approx 125 plants in the lease area.	
6f	Any other method of rehabilitation	Not proposed	Not done	
6g	Cost incurred on watch and care during the year	Not specified	7000 rupees	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	448 m3	Area not matured for backfilling.	Area not matured for backfilling due to less development. Violation pointed out under 11(1) of MCDR-2017
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	448 m3	NIL	Area not matured for backfilling due to less development. Violation pointed out under 11(1) of MCDR-2017
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Not proposed	NIL	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed	Not done	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not proposed	Not done	

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	0.11Hect (125 plants)	0.1 Hect (70 plants)	Plantation observed in the Southern Barrier zone.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NIL	NIL	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation	Plantation	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Yes	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			The yearly report in respect of rule 26(2) of MCDR 2017 has not been submitted for the previous approved plan period. Plantation done in the Southern Barrier zone.

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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 (Limestone) excavated - 1457 Tonnes ROM (Limestone) dispatched - 72 Tonnes ROM (Limestone) Closing stock as on 31.03.2021 - 2034.07 Tonnes	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not proposed	Not done	

7c	Different grade of mineral sorted out at mines.	Not proposed	Not done	
7d	Any beneficiation process at mines	Not proposed	Not done	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			ROM (Limestone) dispatched to domestic users directly as marchant miner.

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**Environment:**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	No top soil generated as per availble records	
8b	Concurrent use or storage of topsoil	Not proposed	Not done	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	03 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 was not carried out against the proposal in the NW part of the lease between BP no. 09 to BP no. 11.	Violation pointed out for the same under rule 11(1) of MCDR-2017.

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Backfilling proposed in the NW part of the lease between BP no. 09 to BP no. 11.	Not done	Violation pointed out under rule 11(1) of MCDR-2017.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Yes	70 plants	
8g	Survival rate	Not specified	Very low ( 15%)	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
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	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes	Monthly Returns from Apr-18 to Mar-19 and Annual Return submitted for the year 2020-21.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	No	Mining Engineer -Harsh Mishra. Geologist- Vinod Khushwaha (Part time)	Appointment of Mining Engineer reported in the AR. But, appointment of Geologist not reported. Letter of appointment of Geologist (Part Time) found in record under Catagory B mine.

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	land use pattern: Under pits 0.625 Hect. Weste disposal 0.265 Hect. Other purpose 0.200 Hect. Infrastructure 0.500 Hect.	
9d	Scrutiny of Annual return on afforestation	Yes	70 nos of saplings planted in lease area and 50 nos of saplings planted outside the lease area.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Yes	NIL	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes	ROM (Limestone) excavated - 1457 Tonnes ROM (Limestone) dispatched - 72 Tonnes ROM (Limestone) Closing stock as on 31.03.2021 - 2034.07 Tonnes	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes	Cement grade limestone - Ex mine price - 337.00 per tonne Sale value - 317.708 per tonne COST OF PRODUCTION - 320 per tonne	
9h	Scrutiny of Annual return on fixed assets	Yes	17.66 Lakhs	
9k	Scrutiny of Annual return on mining machineries	Yes	No machineries reported.	Catagory B mine.

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**Details of violations observed during current inspection and compliance position of violation pointed out**

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17 Rule 11(1)	22-JUL-21		MCDR17 Rule 11(1)	22-JUL-21	23-NOV-21
Rule 26(2)	22-JUL-21	08-SEP-21			
MCDR17 Rule 33	22-JUL-21	08-SEP-21			

**Date :**

**(NARESH KUMAR KATARIYA)**

Indian Bureau of Mines