

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

**Review and updation of Mining Plan REPORT**

**Jabalpur regional office**

**Mine file No :** MP/NAR/LST-4

**Mine code :** 38MPR25001

- (i) Name of the Inspecting : **K006** ) **NARESH KUMAR KATARIYA**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sh. Kunwar Virendra Singh (Owner) and other Mines off  
Official with  
Designation
- (iv) Date of Inspection : 02-FEB-21
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **SIMARIYA**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address  
State : MADHYA PRADESH  
District : NARASINHAPUR  
Village : SIMARIYA  
Taluka : KARELI  
Post office : BARHA  
Pin Code :  
FAX No. : N. A.  
E-mail : N. A.  
Phone : N. A.
- (f) Police Station :
- (g) First opening date :
- (h) Weekly day of rest : SUN
2. Address for : KUNWAR VIRENDRA SINGH PATEL  
correspondance SHIVAJEE WARD, MAIN ROAD, KANDELI,  
NARSINGHPUR (M.P.)
3. (a) Lease Number : MPR1926  
(b) Lease area : 3.19  
(c) Period of lease : 20  
(d) Date of Expiry : 06-APR-20
4. Mineral worked : DOLOMITE Associated  
LIMESTONE Main

## 5. Name and Address of the

Lessee : KUNWAR VIRENDRA SINGH PATEL  
SHIVAJEE WARD, MAIN ROAD,  
KANDELI, NARASINHAPUR  
MADHYA PRADESH  
Phone: N. A.  
FAX : N. A.

Owner : KUNWAR VIRENDRA SINGH PATEL  
SHIVAJEE WARD, MAIN ROAD,  
KANDELI, NARASINHAPUR  
MADHYA PRADESH  
Phone: N. A.  
FAX : N. A.

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	14-FEB-13
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	24-JUL-15

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	06 bore holes during the approved period	NIL	No exploration was done as per approved proposal. Violation pointed out for the same under rule 11(1) of MCDR-2017.
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	Geological axis G-2	Geological axis G-2	
1e	Balance reserve as on 01/04/20		Balance reserve as on 01/04/2020: 122: 5.05 Million Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			General litho units of the area are: Soil up to 01m, alternate bed of limestone, dolomite & shale. Soapstone occurring in voids within dolomite beds.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit no-01 & 02	The excavation was proposed in the Pit no. 01 & 02. But, it was observed during inspection excavation was not done as per proposal.	Violation pointed out for the same under rule 11(1) of MCDR-2017

2b	Separate benches Yes in topsoil, overburden and minerals (Rule 15)	In the in the western part of the mine at about the grid location N2524400 to N2524500 & E306000 to E 306100 near the BP no. 09 to BP. No. 11 benches have been merged up at some places. Resulting height of the benches found more than the proposed in approved document and also width of the benches found very less than approved in the document.	Violation pointed out for the same under rule 11(1) of MCDR-2017
2c	Stripping ratio 1: 0.1 or ore to OB ratio	1: 0.1	
2d	Quantity of topsoil generation in m3	NIL	Without any proposal in approved document, The pit was also extended in the 7.5-meter statutory barrier zone in the western part of the mine at about the grid location N2524400 to N2524500 & E306000 to E 306100 near the BP no. 09 to BP. No. 11 and at about the grid location N2524300 to N2524365 & E306130 to E 306180 between BP.No. 11 & BP No. 01 and near BP No. 02 to BP No. 03. Violation pointed out for the same under rule 11(1) of MCDR-2017
2e	Quantity of overburden generation in m3	2100 m3	1922 m3

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Without any proposal in approved document, The pit was also extended in the 7.5-meter statutory barrier zone in the western part of the mine at about the grid location N2524400 to N2524500 & E306000 to E 306100 near the BP no. 09 to BP. No. 11 and at about the grid location N2524300 to N2524365 & E306130 to E 306180 between BP.No. 11 & BP No. 01 and near BP No. 02 to BP No. 03. 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	47250 Tonnes	43244.28 Tonnes	
3c	Recovery of sailable/usable mineral from ROM production	90%	90%	
3d	Quantity of mineral reject generation	NIL	NIL	

3e	Grade of mineral rejects generation and threshold value declared.	NIL	NIL	
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation	NIL	NIL	
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA	
3j	Provision of drilling and blasting in mineral benches	YES	YES	
3k	Provision of mining machineries in mineral benches	YES	YES	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	YES	In the in the western part of the mine at about the grid location N2524400 to N2524500 & E306000 to E 306100 near the BP no. 09 to BP. No. 11 benches have been merged up at some places. Resulting height of the benches found more than the proposed in approved document and also width of the benches found very less than approved in the document.	Violation pointed out for the same under rule 11(1) of MCDR-2017

3m	Total area covered under excavation/pits	2.16 Hect	1.6 Hect	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.1	1:0.19	
3o	Total area put in use under different heads at the end of year	2.97 Hect	1.80 Hect	
3p	Production of ROM mineral during the last five year period as applicable	2015-16: 156600 2016-17: 157500 2017-18: 145800 2018-19: 47250 2019-20: 47250	2015-16: 19991 2016-17: 20000 2017-18: 38550 2018-19: 75453 2019-20: 43244	
3q	General remarks of inspecting officers on method of mining etc.			In the in the western part of the mine at about the grid location N2524400 to N2524500 & E306000 to E 306100 near the BP no. 09 to BP. No. 11 benches have been merged up at some places. Resulting height of the benches found more than the proposed in approved document and also width of the benches found very less than approved in the document.

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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	

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4b	Location of topsoil, OB and mineral reject dumps	Yes	As per office records of year 2019-20, closing Stock of Mineral was shown 59695.022 Tonnes as on 31.03.2020. But, there was no stock found in the mining lease area during the inspection.	Violation pointed out for the same under rule 11(1) of MCDR-2017.
4c	Number of dumps within lease area and outside of lease area	NIL	NIL	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA	
4e	Number of active and alive dumps.	NIL	NIL	
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.	NA	NA	
4i	Length of Retaining wall or garland drain all along dumps	NA	NA	
4j	Number of settling ponds	NA	NA	
4k	Specific comments of inspecting officer on waste dump management			

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Solid Waste Management - Backfilling:

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Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of 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 mineral out area (Rule 32)	NIL	NIL	
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Area not matured for backfilling.

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Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes	yearly report in respect of rule 26(2) of MCDR 2017 has not been submitted for the year 2019-20.	Violation pointed out for the same.
6b	Area available for rehabilitation (ha) .	NIL	NIL	
6c	afforestation done (ha) .	1300 sq m	NIL	Violation pointed out for the same under rule 11(1) of MCDR-2017.
6d	No. of saplings planted during the year	500 nos. of Saplings	NIL	Violation pointed out for the same under rule 11(1) of MCDR-2017.

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6e	Cumulative no .of plants	NA	NA	
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	NIL	NIL	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	NIL	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	NIL	NIL	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NIL	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NIL	NIL	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	1300 sq m	Nil	Violation pointed out for the same under rule 11(1) of MCDR-2017.

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	NA	NA	
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.			Yearly report in respect of rule 26(2) of MCDR 2017 has not been submitted for the year 2019-20. Violation pointed out for the same.

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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.	NA	NA	
7c	Different grade of mineral sorted out at mines.	NA	NA	
7d	Any beneficiation process at mines	NA	NA	

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7e General remarks  
of inspecting  
officer on  
Mineral  
conservation and  
beneficiation  
issues

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NIL	NIL	
8b	Concurrent use or storage of topsoil	NIL	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NIL	NIL	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	YES	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	YES	NIL	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Proposal of 2500 trees plantation in the last approved period	NIL	Violation pointed out for the same.

8g	Survival rate	80 %	80 %	
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			Proposal of 2500 trees plantation in the last approved period was given towards entire barrier zone area along with all precaution and safety. But, no plantation had done as per proposal of approved document. Violation pointed out for the same.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Annual return not submitted	Monthly and Annual return for the review period have not been filed in the electronic form	Violation pointed out under rule 45(5) of MCDR-2017.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Annual return not submitted	Mining Engineer and Geologist have not been appointed for this lease area	Violation pointed out for the same.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Annual return not submitted	NA	
9d	Scrutiny of Annual return on afforestation	Annual return not submitted	NIL	Violation pointed out for the same.

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9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Annual return not submitted	NA
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Annual return not submitted	43244.28 Tonnes as per records available at mine site.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Annual return not submitted	NA
9h	Scrutiny of Annual return on fixed assets	Annual return not submitted	NA
9k	Scrutiny of Annual return on mining machineries	Annual return not submitted	No machinery was found during the inspection.

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**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
MCDR17	Rule 11 (1)	24-FEB-21	MCDR17	Rule 11 (1)	24-FEB-21
MCDR17	Rule 26 (2)	24-FEB-21	MCDR17	Rule 26 (2)	24-FEB-21
MCDR17	Rule 31 (4)	24-FEB-21	MCDR17	Rule 31 (4)	24-FEB-21
MCDR17	Rule 33	24-FEB-21	MCDR17	Rule 33	24-FEB-21
MCDR17	Rule 45 (5) (a)	24-FEB-21	MCDR17	Rule 45 (5) (a)	24-FEB-21
MCDR17	Rule 55 (1) (1)	24-FEB-21	MCDR17	Rule 55 (1)	24-FEB-21

**Date :**

**(NARESH KUMAR KATARIYA)**

Indian Bureau of Mines