

INDIAN BUREAU OF MINES  
MINERALS DEVELOPMENT AND REGULATION DIVISION

MCDR inspection REPORT  
Jabalpur regional office

Mine file No : MP/Neemuch/Limestone/14

Mine code : 38MPR51005

- (i) Name of the Inspecting : N007 ) PUKHRAJ NENIVAL  
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine :  
Official with  
Designation
- (iv) Date of Inspection : 11-AUG-22
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) Mine Name : VIKRAM CEMENT LIMESTONE
- (b) Registration NO. : 441
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :  
State : MADHYA PRADESH  
District : NIMACH  
Village : MORKA, KUNDLA  
Taluka : JAWAD  
Post office : KHOR  
Pin Code : 458470  
FAX No. :  
E-mail : subhash.pigam@adityabirla.com  
Phone : 07420-230109
- (f) Police Station :  
(g) First opening date : 20/07/2021  
(h) Weekly day of rest :
2. Address for  
correspondance : M/S VIKRAM CEMENT WORKS  
POST - KHOR, DISTT - NEEMUCH  
458470
3. (a) Lease Number : 52.353 Ha.  
(b) Lease area :  
(c) Period of lease : 50 years.  
(d) Date of Expiry : 16/05/2068
4. Mineral worked : LIMESTONE

5. Name and Address of the  
Lessee : M/s ULTRATECH CEMENT LIMITED  
TEHSIL JAWAD NIMACH  
DISTRICT NIMACH MADHYA  
PRADESH  
Phone:  
FAX :
6. Date of approval of Mining :  
Plan/Scheme of Mining

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	Area already converted to G1
1b	Exploration over lease area for geological axis 1 or 2	Nil	Nil	Area already converted to G1
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not applicable	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2		Area already converted to G1	
1e	Balance reserve as on 01/04/20		Reserve - 111 -16.97 Million tones Resources - 211 -15.18 Million tones	
1f	General remarks of inspecting officers on geology, exploration etc			Entire area converted to G1 level.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	E/W 485760,486192,  N/S 2716525,271683 4	E/W 485829,485901,  N/S 2716650,2716800	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes proposed	As per proposal	
2c	Stripping ratio or ore to OB ratio	1:.05	Nil	
2d	Quantity of topsoil generation in m3	Not Proposed	Not applicable	
2e	Quantity of overburden generation in m3	2000 cubic meter	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Development work done as per proposal.

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#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	One pit	
3b	Quantity of ROM mineral production proposed	100000 Tones	46858.920 Tones	It was proposed to produce 100000 Metric tons of Limestone in the year 2021-22 but only 46859 Metric tons production achieved. Violation pointed out under rule 11(1) of MCDR 2017.
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Nil	Nil	

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3e	Grade of mineral rejects generation and threshold value declared.	Not proposed	Not applicable
3f	Quantity of sub grade mineral generation.	Not proposed	Nil
3g	Grade of sub grade mineral generation	Not proposed	Not applicable
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Mechanized
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Not applicable
3j	Provision of drilling and blasting in mineral benches	Deephole Drilling & Blasting	Deephole Drilling & Blasting
3k	Provision of mining machineries in mineral benches	HEMM, Exvacavator , Dumper Combination	HEMM, Exvacavator , Dumper Combination
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes - Suitable	Yes - Suitable
3m	Total area covered under excavation/pits	Excavation/pits - 3.15 ha	Excavation/pits - 0.439 ha
3n	Ore to OB ratio for the pit/mine during the year.	1:.05	Nil

3o	Total area put in use under different heads at the end of year	Excavation/pits - 3.15 ha Plants, buildings, Infrastructure etc. - 0.20 ha Others (Specify) Road & Green belt - 0.78 ha Total area put in use under different heads - 2.56 ha Total area put in use under different heads -5.91 ha	Excavation/pits - 0.439 ha Plants, buildings, Infrastructure etc. - 0.014 ha Others (Specify) Road & Green belt - 0.78 ha Total area put in use under different heads - 1.228 ha
3p	Production of ROM mineral during the last five year period as applicable	2018-19 - 100000 mt 2019-20 - 100000 mt 2020-21 - 100000 mt 2021-22 - 100000 mt	2018-19 - 100000 mt 2019-20 - 100000 mt 2020-21 - 100000 mt 2021-22 - 46858.92 mt

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

It was proposed to produce 100000 Metric tons of Limestone in the year 2021-22 but only 46859 Metric tons production achieved. 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)	Nil	Nil	In Present plan period Bund is proposed , No dump in proposal

4b	Location of topsoil, OB and mineral reject dumps	Not Proposed in Plan Period	Not applicable	
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	Not Proposed in Plan Period
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not Proposed in Plan Period	Not applicable	
4e	Number of active and alive dumps.	Not Proposed in Plan Period	Not applicable	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	Nil	Not Proposed in Plan Period
4h	Whether Retaining wall or garland drain all along dumps are there.	Not Proposed in Plan Period	Not applicable	
4i	Length of Retaining wall or garland drain all along dumps	Not Proposed in Plan Period	Not applicable	
4j	Number of settling ponds	Not Proposed in Plan Period	Not applicable	
4k	Specific comments of inspecting officer on waste dump management			In Present plan period Bund is proposed , No dump in proposal.

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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.	Not proposed	Not applicable	Mine development is under progress
5b	Area under backfilling of mined out area	Not proposed	Not applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not proposed	Not applicable	
5d	Total area fully reclaimed and rehabilitated	Not proposed	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Mine development is under progress.

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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).	Proposed as per Rule 26(2) of MCDR 2017	PMCP report Submitted as per rule 26(2) of MCDR-2017	
6b	Area available for rehabilitation (ha) .	Not proposed	Not applicable	
6c	afforestation done (ha) .	Not proposed	Not applicable	
6d	No. of saplings planted during the year	Not proposed	Not applicable	
6e	Cumulative no .of plants	Not proposed	Not applicable	

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6f	Any other method of rehabilitation	Not proposed	Not applicable
6g	Cost incurred on watch and care during the year	Not proposed	Not applicable
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( L x B x D	Not proposed	Not applicable
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed	Not applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Not proposed	Not applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed	Not applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not proposed	Not applicable
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	500 nos	370 nos

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not proposed	Not applicable	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not proposed	Not applicable	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes proposed	Yes	Air, water & Noise monitoring is being carrying regularly.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			PMCP report submitted on 22.06.2022.

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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Cement Grade - 1,00,000 Tones	Cement Grade - 46859 Tones	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mechanical	mechanical	
7c	Different grade of mineral sorted out at mines.	Not proposed	Not applicable	
7d	Any beneficiation process at mines	Not proposed	Not applicable	

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7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	ROM mineral was proposed to dispatch for captive use. But, less production in the RY 2021-22.
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**Environment:**


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Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	No topsoil generated during the year.	
8b	Concurrent use or storage of topsoil	Yes	Used for plantation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not Proposed in Plan Period	Not applicable	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Proposed in Plan Period	Not applicable	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed in Plan Period	Not applicable	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	500 nos	Within lease area - 1150 - with 79% survival Outside lease area - 1107 - with 92% survival	

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8g	Survival rate		Within lease area - 1150 - with 79% survival Outside lease area - 1107 - with 92% survival	
8h	Water sprinkling on roads to control airborne dust	Yes proposed	As per Proposal (water tanker , water sprinkling, wet drilling,)	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Plantation observed in the waste land.

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Compliance of Rule 45:

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Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		M.R. Submitted for the month July' 22 A.R. submitted for the year 2021-22	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Mining Engineer - Mr Kadiyala Gopi Geologist - Mr Pushpendra Kumar Mishra	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		Excavation/pits - 0.439 ha Plants, buildings, Infrastructure etc. - 0.014 ha Others (Specify) Road & Green belt - 0.78 ha Total area put in use under different heads - 1.228 ha	
9d	Scrutiny of Annual return on afforestation		Within lease area - 1150 - with 79% survival Outside lease area - 1107 - with 92% survival	

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9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing stock Nil reported in AR
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex Mine price - Rs 196.59/-
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets Rs - 466964255/-
9k	Scrutiny of Annual return on mining machineries	SHOVEL (HYDRAULIC) - 4.000 CUM - 01 nos DUMPER 35.00 tones - 02 nos WATER TANKER 20000 litres - 01 nos BLAST HOST DRILL 115 mm - 01 nos

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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)	13-SEP-22			
MCDR17	Rule 28(1)	13-SEP-22			

**Date :**

**(PUKHRAJ NENIVAL)**

Indian Bureau of Mines