

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

**MCDR inspection REPORT  
Jabalpur regional office**

**Mine file No :** MP/NMC/LST-9

**Mine code :** 38MPR51004

- (i) Name of the Inspecting : **SQ23** ) **SANDEEP KUMAR SINGH**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :  
Official with  
Designation
- (iv) Date of Inspection : 22-JAN-21
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **VIKRAM CEMENT LIMESTONE M**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :  
State : MADHYA PRADESH  
District : NIMACH  
Village :  
Taluka :  
Post office :  
Pin Code :  
FAX No. :  
E-mail :  
Phone :
- (f) Police Station :
- (g) First opening date :
- (h) Weekly day of rest :
2. Address for :  
correspondance :
3. (a) Lease Number :  
(b) Lease area :  
(c) Period of lease :  
(d) Date of Expiry :
4. Mineral worked : LIMESTONE Main

6. Date of approval of Mining Plan/Scheme of Mining : MP review under 17(1) MCR 2016 10-DEC-19

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	
1b	Exploration over lease area for geological axis 1 or 2	31 borehole	nil	Boreholes are not done.Violation issued.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Given	Not Given	Exploration not done.
1d	Balance area to be explored to bring Geological axis in 1 or 2		G1 - 156.73 Ha., G2 - 53.15 Ha., G3-8.45 Ha. & Non mineralised area - 345.796 Ha.	8.45 hectare is to be brought to G1/G2.
1e	Balance reserve as on 01/04/20	---	40.81 Million Tons	--
1f	General remarks of inspecting officers on geology, exploration etc			The area belongs to vindhyan sequence and have suket shale,nimbahera limestone/nimbaher a shale,conglomeratic sand stone.Litho succession of area is soil,basalt,shale, L/S,Purple limestone etc.Area is explored by 75 BH,2159 mtr drilling. Violation issued for not completing drilling as per plan.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	Development was proposed in eastern side of E Block		Practically no work is done.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Topsoil will be removed separately and utilised for plantation purpose with in ML area.	Topsoil generation	-Nil
2c	Stripping ratio or ore to OB ratio	1:0.063	1:0.0	
2d	Quantity of topsoil generation in m3	1300M3	NIL	
2e	Quantity of overburden generation in m3	5000t	NIL	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Production has been low.No development is done.Violation issued.

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#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2 nos	1 nos	
3b	Quantity of ROM mineral production proposed	1,00,000t	22,000t	
3c	Recovery of sailable/usable mineral from ROM production	NA	NA	
3d	Quantity of mineral reject generation	NIL	Nil	

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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	Mechanised method ROM	ROM dispatch
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	Deep hole drilling & controlled blasting with large dia hole.	Drilling of 115 mm hole dia & using slurry & ANFO in conjunction with NONEL delay detonators for blasting
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	Proposed bench height 5m - 8 m is suitable for OB & Limestone	5m
3m	Total area covered under excavation/pits	0.53 ha	0.17 ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.063	1:0

3o	Total area put in use under different heads at the end of year	8.59 ha	0.57ha	
3p	Production of ROM mineral during the last five year period as applicable	2015-16 0 2016-17 0 2017-18 0.1Miot 2018-19 0.1Miot 2019-20 0.1Miot	2015-16 0 2016-17 0 2017-18 0 2018-19 0.005 Miot 2019-20 0.0022Miot	Less demand from plant
3q	General remarks of inspecting officers on method of mining etc.			Low scale of production. Violation is given for very low production done. Development not done. Violation issued. RMP is approved from 2020-21 till 2024-25.

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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	No OB generation	
4b	Location of topsoil, OB and mineral reject dumps	Soil to be used over burden protective bench on mine boundary.	NIL	No Over burden soil generated. New mining waste is very less.
4c	Number of dumps within lease area and outside of lease area	Making only bunds.	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	

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4e	Number of active and alive dumps.	Nil	Nil	New operation waste is very less.
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 applicable	Not applicable	
4i	Length of Retaining wall or garland drain all along dumps	N/A	N/A	
4j	Number of settling ponds	N/A	N/A	No dump created as on now. Only bunds at periphery are made.
4k	Specific comments of inspecting officer on waste dump management			Mining operation pit is yet to develop properly.

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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.	N/A	N/A	
5b	Area under backfilling of mined out area	N/A	N/A	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	N/A	N/A	

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5d	Total area fully reclaimed and rehabilitated	N/A	N/A	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Not proposed. As a new mine and no pit is matured for backfilling.

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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).		PMCP report was sending to RCOM (IBM), Regional Office, Jabalpur through email on dated 19-June-2020	
6b	Area available for rehabilitation (ha) .	N/A	N/A	No proposal for mined benches.
6c	afforestation done (ha).	N/A	N/A	
6d	No. of saplings planted during the year	N/A	N/A	No proposal for mined benches.
6e	Cumulative no .of plants	No proposal	Not applicable	No proposal for mined benches.
6f	Any other method of rehabilitation	No proposal	Not applicable	No proposal for mined benches.
6g	Cost incurred on watch and care during the year	No proposal	Not applicable	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal	Not applicable	

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6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Not applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposal	Not applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Not applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal	Not applicable
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Yes	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	0.4 hect.	1.1 hect.
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	1000 Nos.	660 Nos.

6p	Compliance of environmental monitoring (core zone and buffer zone)		Air, water & Noise monitoring is being carrying regularly
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Plantation survival rate is poor. Less nos. of plants exist. violation pointed out.

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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	ROM	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not proposed	Not applicable	
7c	Different grade of mineral sorted out at mines.	Not proposed	Not applicable	
7d	Any beneficiation process at mines	N/A	N/A	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			ROM is dispatched to crusher.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	yes	Top soil is being removed separately for plantation purpose.No work done in year.	No work done in year.
8b	Concurrent use or storage of topsoil	Temporarily	Temporary storage & utilising for plantation purpose within ML area.	only protective bund making.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not applicable	Not applicable	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Work is carrying as per proposal.	New operation.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed.	Not applicable	Pit yet to form.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Baseline	660 nos. Plantaed	
8g	Survival rate	75%	45%	
8h	Water sprinkling on roads to control airborne dust	YES	Yes, done.	

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Water sprinkling is done. Rocky strata is there from top. Not bench top soil. Mine has not operated to scale. plantation survival rate poor. violation is issued.
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Yes, Monthly returns submitted. Annual returns submitted for year 2019-20	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		YES	Appoint the full time Manager, Mining Engineer & Geologist.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		3.19 ha Surface area utilisation as on 31.03.2020	Yes, Surface area utilisation is within limit.
9d	Scrutiny of Annual return on afforestation		668 Nos.	Plantation is carried within lease. Survival rate poor.
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		Nil	

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9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Production cost- 254.64Rs/tons including mining & overhead cost all taxes.	No sale value due captive consumption
9h	Scrutiny of Annual return on fixed assets	Rs. /- 313807325 (for all three mine leases.)	Include land, building machineries etc
9k	Scrutiny of Annual return on mining machineries	TYPE OF MACHINERY CAPACITY UNITS ELECTRICAL / NON-ELECTRICAL SHOVEL (HYDRAULIC) 4.000 CUM 1 Non Electrical SHOVEL (HYDRAULIC) 6.500 CUM 3 Non Electrical DUMPER 35 CUM 2 Non Electrical DUMPER 40 TONNE 2 Non Electrical DUMPER 55 TONNE 8 Non Electrical DOZER 305 TONNE 2 Non Electrical BLAST HOST DRILL 115 MM 3 Non Electrical WATER TANKER 20000 LITRE 1 Non Electrical	TYPE OF MACHINERY CAPACITY UNITS ELECTRICAL / NON-ELECTRICAL SHOVEL (HYDRAULIC) 4.000 CUM 1 Non Electrical SHOVEL (HYDRAULIC) 6.500 CUM 3 Non Electrical DUMPER 35 CUM 2 Non Electrical DUMPER 40 TONNE 2 Non Electrical DUMPER 55 TONNE 8 Non Electrical DOZER 305 TONNE 2 Non Electrical BLAST HOST DRILL 115 MM 3 Non Electrical WATER TANKER 20000 LITRE 1 Non Electrical

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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)	27-APR-21			

**Date :**

**(SANDEEP KUMAR SINGH)**

Indian Bureau of Mines