

**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 : **KQ06**) **NARESH KUMAR KATARIYA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Mr. Subash Nigam (Sr. VP, Agent)
Official with
Designation
- (iv) Date of Inspection : 02-SEP-21
- (v) Prev.inspection date : 22-JAN-21

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 Boreholes	49 Boreholes	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Departmental exploration	Departmental exploration	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	19.367	Balance area to be cover in G1 in the next proposal year.
1e	Balance reserve as on 01/04/20		Balance reserve as on 01.04.2021 40.81 MnT	
1f	General remarks of inspecting officers on geology, exploration etc			Exploration was done as per proposal made in Review of Mining Plan

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Development was proposed in eastern side of E Block	No Development carried out in the RY 2020-21.	Violation pointed out for the same under rule 11(1) of MCDR-2017
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Topsoil will be removed separately and utilised for plantation purpose with in ML area.	Nil	Violation pointed out under rule 11(1) of MCDR-2017
2c	Stripping ratio or ore to OB ratio	1:0.05	--	Violation pointed out under rule 11(1) of MCDR-2017
2d	Quantity of topsoil generation in m3	7300	Nil	Violation pointed out under rule 11(1) of MCDR-2017

2e	Quantity of overburden generation in m3	5,000	Nil	Violation pointed out under rule 11(1) of MCDR-2017
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mine development was not carried out as per approved proposal. Violation pointed out under rule 11(1) of MCDR-2017

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2 nos.	One	Violation pointed out under rule 11(1) of MCDR-2017
3b	Quantity of ROM mineral production proposed	1,00,000	Nil	Violation pointed out under rule 11(1) of MCDR-2017
3c	Recovery of sailable/usable mineral from ROM production	Not proposed	Nil	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	Not prposed	Not applicable	
3f	Quantity of sub grade mineral generation.	Not prposed	Not applicable	
3g	Grade of sub grade mineral generation	Not prposed	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Not proposed	Not applicable	

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	Deep hole drilling & controlled blasting with large dia hole.	Drilling and blasting not reported.	Due to Land Issue - No work
3k	Provision of mining machineries in mineral benches	Yes	No machineries engaged	Due to Land Issue - No work
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	5 - 8 mtr	Existing pit (No mining operation in the RY 2020-21)
3m	Total area covered under excavation/pits	3.090 ha (at the end of 5th year)	0.27 hect. as on 31.03.2021.	No mining operation in the RY 2020-21
3n	Ore to OB ratio for the pit/mine during the year.	1:0.05	--	No mining operation in the RY 2020-21
3o	Total area put in use under different heads at the end of year	3.090 hect. (at the end of 5th year)	0.27 Hect	As on 31.03.2021. No mining operation in the RY 2020-21
3p	Production of ROM mineral during the last five year period as applicable	2016-17 0 2017-18 1,00,000 2018-19 1,00,000 2019-20 1,00,000 2020-21 1,00,000	2016-17 0 2017-18 0 2018-19 5397 2019-20 22,220 2020-21 0	

3q	General remarks of inspecting officers on method of mining etc.	No mining operation in the RY 2020-21. No mine development was carried out 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 N 2715836.3788 to 2715930.458 E 481651.9606 to 481739.5971	NIL	No mining operation in the RY 2020-21
4b	Location of topsoil, OB and mineral reject dumps	No top soil generation	Not done	No top soil generation proposal
4c	Number of dumps within lease area and outside of lease area	No proposal	No dumps	No dumps observed in the lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	Not done	
4e	Number of active and alive dumps.	No proposal	Not done	
4f	Number of dead dumps.	No proposal	Not done	
4g	Number of dumps established.	No proposal	Not done	
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	Not done	
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Not done	

4j	Number of settling ponds	No proposal	Not done	
4k	Specific comments of inspecting officer on waste dump management			No mining operation in the RY 2020-21

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.	No proposal	Not done	
5b	Area under backfilling of mined out area	No proposal	Not done	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	Not done	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	Plantation on barren land
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Backfilling not proposed in the review year. Area not matured for backfilling.

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	PMCP report submitted on 28.06.2021	

6b	Area available for rehabilitation (ha) .	Nil	Nil
6c	afforestation done (ha).	Nil	Nil
6d	No. of saplings planted during the year	Nil	Nil
6e	Cumulative no .of plants	Not specified	3300 saplings planted as per available records.
6f	Any other method of rehabilitation	Not proposed	Not done
6g	Cost incurred on watch and care during the year	Not specified	No records
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not proposed	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed.	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation 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	3.0 ha	2.5 ha	Total afforestation 3300 No. Area covered 2.5 ha
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.4 ha	0.4 ha	Total afforestation 3300 No. Area covered 2.5 ha
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation	Plantation	Total afforestation 3300 No. Area covered 2.5 ha
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Yes	Air, water & Noise monitoring is being carrying regularly
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Yearly PMCP report submitted under rule 26(2) of MCDR-2017. As per records, total afforestation area covered 2.5 ha & total 3300 nos. of saplings planted.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral to be dispatched for captive use.	Production-0.0MnT Despatch-0.0 MnT	

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 mineral was proposed to dispatch for captive use. But, no production in the RY 2020-21.

Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Nil	No mining operation in the RY 2020-21
8b	Concurrent use or storage of topsoil	Temporarily	Nil	No mining operation in the RY 2020-21
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not proposed	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Overburden was proposed to be used for protective bund	NIL	No mining operation in the RY 2020-21

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No existing plantation Fresh area proposed for plantation	0.4 ha covered under plantation. Plantation observed in the waste land and statutory barrier zone of 7.5m.	
8g	Survival rate	Not specified	50%	less survival rate due to local issues as reported.
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			No mining operation in the RY 2020-21. Plantation observed in the waste land and statutory barrier zone of 7.5m.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Monthly returns submitted up to July-2021 in time. Annual returns submitted for the RY 2020-21 with in prescribed time limit.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	Mining Engineer- Sh. Janardan Dandotiya (w.e.f. 01//07/2020) Geologist- Sh. Ratikanta Behera (w.e.f. - 20/11/2018)	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	Area under pit 0.29 Hect.	No mining operation in the RY 2020-21 due to land issue as reported during inspection.
9d	Scrutiny of Annual return on afforestation	Yes	Total Area afforestation 2.5 ha	
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	Production-0.0MnT Despatch-0.0 MnT	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes	Ex Mine Price-0.0 Rs/MT Cost of Production- 0.0 Rs/MT	No production in the RY 2020-21.
9h	Scrutiny of Annual return on fixed assets	Yes	Fixed Asset Cost Rs. 42.28 Crores	Fixed assets are common for all Mines
9k	Scrutiny of Annual return on mining machineries	YES	SHOVEL (Hydraulic) 4 CUM. 1No. DUMPER35 TONNE 2 Nos BLAST HOST DRILL115 MM 1 no. WATER TANKER20KL 1 no.	

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)	14-SEP-21			

Date :

(NARESH KUMAR KATARIYA)

Indian Bureau of Mines