

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

Review and updation of Mining Plan REPORT

Jabalpur regional office

Mine file No : MP/NMC/LST-9

Mine code : 38MPR51004

- (i) Name of the Inspecting : **SQ05**) **DEEPAK SHARMA**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Sanjeev Sharma Geologist, M Senthil Mining Engineer
Official with
Designation
- (iv) Date of Inspection : 13-NOV-19
- (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

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No Exploration was proposed for the reporting year 2018-19	No exploration done in the reporting year 2018-19	
1b	Exploration over lease area for geological axis 1 or 2	Lease area explored upto G2 level	Lease area explored upto G2 level	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	M/s Holtec Consulting Pvt Ltd	M/s Holtec Consulting Pvt Ltd	
1d	Balance area to be explored to bring Geological axis in 1 or 2	53.15 hect	53.15 hect	
1e	Balance reserve as on 01/04/20	111-36.54 122-4.29 (as on 01/04/2018)	111-36.54 122-4.29 (as on 01/04/2018)	
1f	General remarks of inspecting officers on geology, exploration etc			Limestone of the lease area belong to lower vindhyan super group of nimbhara limestone, grey in colour

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	it was prposed to do development work in the block A & E of the lease area	development was not as per plan	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	seperate beches in top soil and mineral was proposed	no separate beches prepared as per plan	
2c	Stripping ratio or ore to OB ratio	1:0.081	NIL	
2d	Quantity of topsoil generation in m3	3100	NIL	
2e	Quantity of overburden generation in m3	5000	NIL	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mine was not in operation, no development work done as per the given proposal

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two (Block A & E)	NIL	
3b	Quantity of ROM mineral production proposed	100000	NIL	
3c	Recovery of sailable/usable mineral from ROM production	100000	NIL	
3d	Quantity of mineral reject generation	0	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	Not Declared	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 proposed	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not Proposed	NIL
3j	Provision of drilling and blasting in mineral benches	Drilling and Blasting proposed	NIL
3k	Provision of mining machineries in mineral benches	Use of mining machineries proposed in mineral benches	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height and width of benches in OB and Mineal bench suitable for mining	NIL(mine was not in operation)
3m	Total area covered under excavation/pits	2.04	NIL
3n	Ore to OB ratio for the pit/mine during the year.	1:0.081	NIL
3o	Total area put in use under different heads at the end of year	8.59	NIL
3p	Production of ROM mineral during the last five year period as applicable	2017-18-100000 2018-19-100000	2017-18-0 2018-19-5397

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

Mine was not in
operation at the
time of inspection

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposed	NIL	
4b	Location of topsoil, OB and mineral reject dumps	Northern portion of Block A & E	NIL	
4c	Number of dumps within lease area and outside of lease area	One (OB)	NIL	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside the UPL	NIL	
4e	Number of active and alive dumps.	One (OB)	NIL	
4f	Number of dead dumps.	Not proposed	NIL	
4g	Number of dumps established.	Not Proposed	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not Proposed	NIL	
4i	Length of Retaining wall or garland drain all along dumps	Not Proposed	NIL	
4j	Number of settling ponds	Not Proposed	NIL	

4k	Specific comments of inspecting officer on waste dump management	It was proposed to dump generated top soil and OB separately in the specific location in the Block A and E, However mine was not in operation and no development work was done as per proposed, hence no OB and Top soil generated during the year 2018-19
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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.	Bacfkfilling was not proposed	NO area fully mature for backfilling yet	
5b	Area under backfilling of mined out area	Not Proposed	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	It was proposed to use top soil in the plantation	NIL	
5d	Total area fully reclaimed and rehabilitated	Not Proposed	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			as it is a new mine and not in operation hence no area mature enough for the backfilling yet

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	NIL	
6b	Area available for rehabilitation (ha) .	Not Proposed	NIL	
6c	afforestation done (ha).	0.40	NIL	
6d	No. of saplings planted during the year	1000	NIL	
6e	Cumulative no .of plants	2000	NIL	
6f	Any other method of rehabilitation	Not Proposed	NIL	
6g	Cost incurred on watch and care during the year	Not Proposed	NIL	
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)Afforestati on on backfilled area	Not proposed	NIL	

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed	NIL	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not proposed	NIL	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Not proposed	NIL	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Not proposed	NIL	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Not proposed	NIL	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Not proposed	NIL	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			As it is a new mine, no area is mature enough for the backfilling work and mine was not in operation at the time of inspection

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM dispatch was proposed	NIL	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mechanical method (screen) proposed	NIL	
7c	Different grade of mineral sorted out at mines.	Not Proposed	NIL	
7d	Any beneficiation process at mines .	Not Proposed	NIL	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			ROM dispatched was proposed to captive cement plant, no beneficiation process proposed neither adopted mine was not in operation

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed	NIL	
8b	Concurrent use or storage of topsoil	Use of topsoil proposed for plantation	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	OB dumps proposed	NIL	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposed	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposed	NIL	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Proposed	NIL	
8g	Survival rate	90%	NIL	
8h	Water sprinkling on roads to control airborne dust	Proposed	NIL	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			aesthetic beauty need to improve

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	AR submitted for 2018-19 MR submitted upto Nov 2019		

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Agent Shri Deepak Mahule Manager Shri A P Reddy Mining Engineer in charge Shri Bharat Kumar Vala Geologist in charge Shri Ratikant Behera	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Provided	furnished
9d	Scrutiny of Annual return on afforestation	Furnished	provided
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	FURNISHED	PROVIDED
9f	Scrutiny of Annual return on ROM stock and/or graded ore	provided	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	furnished	141.54 INR/Tonne
9h	Scrutiny of Annual return on fixed assets	Furnished	Value of Fixed Assets (in INR) 382861587 (for three leases)
9k	Scrutiny of Annual return on mining machineries	Furnsihed	

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)	03-JAN-20			
	Rule 26(2)	03-JAN-20			
MCDR17	Rule 33	03-JAN-20			
	Rule 55	03-JAN-20			

Date :

(DEEPAK SHARMA)

Indian Bureau of Mines