

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP//SATNA/LST.361

Mine code : 38MPR35335

- (i) Name of the Inspecting : **NQ07**) **PUKHRAJ NENIVAL**
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Mr Nitesh Nagar, Director and Mr K K Mishra, Mining E
Official with
Designation
- (iv) Date of Inspection : 17-DEC-21
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SHIVPURVA 140.618**
- (b) **Registration NO.** : **IBM/11392/2012**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : SATNA
Village : SHIVPURVA
Taluka : RAGHURAJ NAGAR
Post office : SAGMA
Pin Code : 485001
FAX No. : 91-731-4017864
E-mail : info@revaticement.com
Phone : 0731-4018830
- (f) Police Station : KOLGANWA
- (g) First opening date : 25-APR-17
- (h) Weekly day of rest :
2. Address for : RAVATI CEMENT PVT.LTD.
correspondance : 101,ROYAL ESTATE, 9/2,SOUTH TUKOGANJ,
INDORE-452001
3. (a) Lease Number : MPR2369
- (b) Lease area : 766.22
- (c) Period of lease : 30
- (d) Date of Expiry : 30-JUN-36
4. Mineral worked : LIMESTONE Main

5. Name and Address of the
Lessee : REWATI CEMENTS PVT. LTD.
INDORE 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	
1b	Exploration over lease area for geological axis 1 or 2	proposed to explore the lease area upto G1	Not Done	
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	Not Applicable	Not Applicable	
1e	Balance reserve as on 01/04/20		Reserve - 7.689 mt Resources - 27.63 mt	
1f	General remarks of inspecting officers on geology, exploration etc			

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Block -2, towards west	Block -2, towards west	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	yes, Soil - 3 Mtr, Limestone - 7 mtr	Separate benches prepared in the pit. Soil - 3 Mtr, Limestone - 7 mtr	No development work being done
2c	Stripping ratio or ore to OB ratio	1:0.76	Nil	The Development is less than Planned. Violation is pointed out
2d	Quantity of topsoil generation in m3	10500 M3	Nil	The Development is less than Planned. Violation is pointed out

2e	Quantity of overburden generation in m3	1780 M3	Nil	The Development is less than Planned. Violation is pointed out
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			The Development is less than Planned. Violation is pointed out

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	40050 tonnes	50 tonnes	violation pointed out
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.	Not applicable	Not applicable	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	Not applicable	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised method proposed	Mechanised method adopted	

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	Yes	Yes	
3k	Provision of mining machineries in mineral benches	Yes	Nil	Mining machinery not deployed.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Suitable	Suitable as per proposal	
3m	Total area covered under excavation/pits	1 ha	0.090ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.76	Nil	
3o	Total area put in use under different heads at the end of year	5.25 ha	1.395 ha	
3p	Production of ROM mineral during the last five year period as applicable	2016-17- 0 2017-18- 3600 2018-19- 6525 2019-20 - 30375 2020-21 - 40050 tonnes	2016-17- 0 2017-18- 0 2018-19- 0 2019-20 - 0 2020-21 - 50 tonnes	Violation pointed out.

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

Mine was not in operational at the time of inspection, development work & production work not done was per proposal given in the plan. Violation pointed.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping for Top soil, OB and reject proposed	Nil	Development work not done achived target for the reportign year
4b	Location of topsoil, OB and mineral reject dumps	Within the lease area	Within the lease area	
4c	Number of dumps within lease area and outside of lease area	01 dump	01 dump	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	outside the upl	outside the upl	
4e	Number of active and alive dumps.	01 Dump	01 Dump	
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 proposed	Not applicable	
4i	Length of Retaining wall or garland drain all along dumps	Not proposed	Not applicable	

4j	Number of settling ponds	Not proposed	Not applicable	
4k	Specific comments of inspecting officer on waste dump management			As development work has not achieved target for the reporting year hence dumps were not as per proposal height.

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.	full extraction proposed	no area fully extracted for the backfilling	
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)	proposed for plantaion	As per proposal	
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Development work not done achieved target for the reportign year. Violation pointed out.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes	Not Submitted	Violation pointed out
6b	Area available for rehabilitation (ha) .	NIL	NIL	
6c	afforestation done (ha).	Not proposed	0.05 ha	
6d	No. of saplings planted during the year	Not proposed	50 tree planted	
6e	Cumulative no .of plants	Not proposed	50 tree planted	
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 (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)Afforestation on backfilled area	Not applicable	Not applicable	

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.	Not applicable	Not applicable	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Not proposed	50 tree planted	
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	Not Proposed	Not applicable	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed	Found in order	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			As only 50 tonne limestone production is raised, hence no PMCP activities are done.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM - 40050 tonnes	ROM - 50 tonnes	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical method proposed	mechanical method adopted	
7c	Different grade of mineral sorted out at mines.	Not proposed	Nil	
7d	Any beneficiation process at mines .	Not proposed	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Negligible production & development activities are done.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed	Nil	Violation pointed out.
8b	Concurrent use or storage of topsoil	Storage of top soil	Storage of top soil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed	Nil	Violation pointed out

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Nil. No area fully extracted	
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)	1.0 ha	0.5 ha	
8g	Survival rate	90%	90%	
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			Less plantation observed in mines. needs improvements.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		MR submitted upto Nov 2021 AR submitted upto 2020-21	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer - Shri K K Mishra	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O/C) Workings - 0.090 ha Used for waste disposal - 0.125 ha Occupied by plant, buildings, residential, welfare buildings & roads - 0.180 ha	
9d	Scrutiny of Annual return on afforestation	50 tree Planted during the year	
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	ROM production- 50 Tonnes	Violation pointed out
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Found in order	
9h	Scrutiny of Annual return on fixed assets	Nil	
9k	Scrutiny of Annual return on mining machineries	Found in order	

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)	07-JAN-22			
MCDR17	Rule 11(4)	07-JAN-22			
MCDR17	Rule 26(2)	07-JAN-22			
MCDR17	Rule 27(1)	07-JAN-22			
MCDR17	Rule 28(1)	07-JAN-22			
MCDR17	Rule 31(1)	07-JAN-22			

Date :

(PUKHRAJ NENIVAL)

Indian Bureau of Mines