

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

**MCDR INSPECTION REPORT**

**Ajmer regional office**

**Mine file No :** RAJ/JPR-115/LST-3

**Mine code :** 38RAJ13008

- (i) Name of the Inspecting : **T001** ) **Tardia K.K.**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : navneet agrawal ,mines manager  
Official with  
Designation
- (iv) Date of Inspection : 29-DEC-16
- (v) Prev.inspection date : 03-MAR-15

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **GRASIM CEMENT LIMESTONE M**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : RAJASTHAN  
District : JAIPUR  
Village : MOHANPURA--JODHPURA  
Taluka : KOTPUTLI  
Post office : JODHPURA  
Pin Code : 303108  
FAX No. : 01421- 2512451  
E-mail :  
Phone : 01421- 2512451, 2516237
- (f) Police Station :
- (g) First opening date : 26-JAN-50
- (h) Weekly day of rest :
2. Address for : Unit of Ultratech Cement, Kotputli  
correspondance Vill. - Mohanpura, Teh. - Kotputli  
Dist.- Jaipur- 303108
3. (a) Lease Number : RAJ1484  
(b) Lease area : 548.78  
(c) Period of lease : 50  
(d) Date of Expiry : 09-APR-57
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : M/S Grasim Industries Ltd.  
 Unit Grasim Cement, Kotpuli  
 Vill.- Mohanpura, Teh.-  
 Kotputli Dist.- Jaipur  
 JAIPUR RAJASTHAN  
 Phone:  
 FAX :

Owner : V.T. Morthy  
 UltraTech Cement limited  
 Kotputli Cement Works Vill  
 - Mohanpura, Tehsil -  
 Kotputli JAIPUR RAJASTHAN  
 Phone: 01421-2512451  
 FAX : 01421-2512451

Agent : Vivek Khosla  
 UltraTech Cement Limited  
 Vill-Mohanpura, Tehsil -  
 Kotputli JAIPUR RAJASTHAN  
 Phone: 01421-2512451  
 FAX : 01421-2512451

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	29-SEP-03
Plan/Scheme of Mining		Modif.of approved Mining Plan	03-OCT-08
		Mining Scheme rule 12 MCDR1988	11-MAY-09
		Modif.approved Mining Scheme	26-JUL-13
		Mining Scheme rule 12 MCDR1988	03-NOV-14

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1b	Exploration over lease area for geological axis 1 or 2	548.78 Hect.	548.78 Hect.	NIL
1c	Exploration Agencies and Expenditure in lakh rupees during the year	nil	nil	nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	NIL
1e	Balance reserve as on 01/04/20	NIL	164.05 million tonne	NIL
1f	General remarks of inspecting officers on geology, exploration etc		As per proposal	As per proposal

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	W2-W4- 00-S\$	As per proposal	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes, proposed	Benches has been formed but not sufficiently advanced towards SE side.	Violation of rule 13(1) has been pointed out.
2c	Stripping ratio or ore to OB ratio	1:0.11	As per proposal	As per proposal
2d	Quantity of topsoil generation in m3	NIL during the previous year	Not applicable.	
2e	Quantity of overburden generation in m3	576221 Cum	892375 MT	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Satisfactory

## Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single pit	Singl pit	
3b	Quantity of ROM mineral production proposed	4505070 tonnes	4239717 tonnes.	Almost as per proposal
3c	Recovery of sailable/usable mineral from ROM production	100%	100% as reported by lessee	as per proposal
3d	Quantity of mineral reject generation	Not proposed	Not applicable	
3e	Grade of mineral rejects generation and threshold value declared.	Same as above	Same as above	
3f	Quantity of sub grade mineral generation.	Same as above	Same as above	
3g	Grade of sub grade mineral generation	Same as above	Same as above	
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.	Crushing only	As per proposal.	As per proposal
3j	Provision of drilling and blasting in mineral benches	Yes	Yes	As per proposal
3k	Provision of mining machineries in mineral benches	Yes	Yes	As per proposal
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, proposed as er mechanised proposal.	Yes, prepared as per proposal.	As per proposal

3m	Total area covered under excavation/pits	46.0hact.	45.0hact.	As per proposal
3n	Ore to OB ratio for the pit/mine during the year.	1:0.11	1:0.52	
3o	Total area put in use under different heads at the end of year	Yearly not specified.	So far area put in use is as given below:- Open Pit = 45.0 ha  Waste Dump =13.5 ha	
3p	Production of ROM mineral during the last five year period as applicable	2011-12=6036357 MT 2012-13=4500328 MT 2013-14=4590560 MT 2014-15=4502998 MT 2015-16=4505070 MT	2011-12=3531660 MT 2012-13=4214775 MT 2013-14=4384917 MT 2014-15=4188402 MT 2015-16=4239717 MT	As per proposal
3q	General remarks of inspecting officers on method of mining etc.		Satisfactory	

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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	Yes	As per proposal
4b	Location of topsoil, OB and mineral reject dumps	W-2 to W-4 N-1 to N-3.5	W-2.5 to W-4.5 S-8 to N-4.5	Almost as per proposal
4c	Number of dumps within lease area and outside of lease area	All dumps are within ML	All dumps are within ML	As per proposal
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	As per proposal
4e	Number of active and alive dumps.	02	02	As per proposal
4f	Number of dead dumps.	Not proposed	Not applicable.	

4g	Number of dumps established.	01	01	As per proposal
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Yes	As per proposal
4i	Length of Retaining wall or garland drain all along dumps	200mts	200mts	As per proposal
4j	Number of settling ponds	2	2	As per proposal
4k	Specific comments of inspecting officer on waste dump management		The waste management is done as per approved proposal.	As per proposal

#### 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 applicable	
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)	Proposed for restoration of backfilled area	At this stage there is no proposal of backfilling, hence Top soil is stacked seperately.	
5d	Total area fully reclaimed and rehabilitated	No proposal	Not applicable.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		No proposal of backfilling of mined out area, because no area have been matured for backfilling	Satisfactory for seperate stacking of top soil for future use.

#### 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	YES	As per proposal
6b	Area available for rehabilitation (ha) .	Not specified	Not applicable.	
6c	afforestation done (ha).	0.5hact	1.0hact	As per proposal
6d	No. of saplings planted during the year	2000sapling	8086 sapling	As per proposal
6e	Cumulative no .of plants	Not specified	So far 58749 plantation	
6f	Any other method of rehabilitation	Same as above	Same as above	
6g	Cost incurred on watch and care during the year	Not specified for last year	However lessee reported that Rs. 20 Lakhs has been spent.	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Not proposal is given.	Not applicable.	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not specified.	No mined out area is available.	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Not proposed for last year	Plantation on OB & Soil dump.	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed at this stage	Not applicable, however Water reservoir will be developed after maturation of mined out area.	

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not specified	Not applicable.	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	By afforestation	Yes as per proposal	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not specified	However 1.0 hact area has been reported by lessee.	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not specified at this stage.	Not applicable.	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Yes	As per proposal
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		The plantation done as per proposal.	As per proposal

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Yes	Yes	As per proposal
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No sorting is proposed	100% ROM is utilised	
7c	Different grade of mineral sorted out at mines.	Not proposed	Same as above.	

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7d	Any beneficiation process at mines	Only Crushing is proposed	Yes as per proposal	As per proposal
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Done as per proposal	Satisfactory

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Yes	As per proposal
8b	Concurrent use or storage of topsoil	Use for Plantation	100%	As per proposal
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump for OB Soil and waste rock	Yes as per proposal	As per proposal
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Use as aggregate in own RMC	Use as aggregate in own RMC	As per proposal
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed at this stage	Not applicable	As per proposal
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Yes	Yes	As per proposal
8g	Survival rate	90%	90%	As per proposal

8h	Water sprinkling on roads to control airborne dust	Yes	2 Water tanker deployed	As per proposal
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		2 Water tanker deployed for water sprinkling. No threat to aesthetic beauty except land degradation	Satisfactory

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	upto date	All information as per order.	All information as per order.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	Appointment of mining Engr. not given.	violation of rule 46 has been pointed out.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	Given	Given
9d	Scrutiny of Annual return on afforestation	Given	Given	Given
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Given	Given	Given
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given	Given	Given
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	Given	Given
9h	Scrutiny of Annual return on fixed assets	Given	Given	Given

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9k	Scrutiny of Annual return on mining machineries	Given	Given	Given
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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

Date :

(Tardia K.K.)

Indian Bureau of Mines