

**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 : **S012** ) **Sharma H.C.**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh. M L Lahoti  
Official with  
Designation
- (iv) Date of Inspection : 08-AUG-18
- (v) Prev.inspection date : 14-SEP-17

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **GRASIM CEMENT LIMESTONE M**
- (b) **Registration NO.** : **IBM/441/2011**
- (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 : manoharlal.lahoti@adityabi  
Phone : 01421- 2512451, 2516237
- (f) Police Station : KOTPUTLI
- (g) First opening date : 26-JAN-50
- (h) Weekly day of rest : SUN
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 : K.K.Maheshwari  
 Ahura Centre, B Wing, 2nd  
 Floor Mahakali Cave Road  
 Andheri(E), Mumbai-400094  
 JAIPUR RAJASTHAN  
 Phone:  
 FAX :

Agent : Manohar Lal Lahoti  
 Grasim Cement Limestone  
 Mine M/s Ultra Tech Cement  
 Ltd. Kotputli, Jaipur  
 JAIPUR RAJASTHAN  
 Phone: 01421-2512451, 2516237  
 FAX : 01421-2512451

## Mining Engineer

Name : Gopi Chand Dhayal, Full Time  
 Qualification : B E (Mining)  
 Appointment/ : 22-AUG-16  
 Termination date

## Geologist

Name : Parth sarthi Mishra, Full Time  
 Qualification : M Sc (Geology)  
 Appointment/ : 07-OCT-17  
 Termination date

## Manager

Name : Rahul Gopaliya  
 Qualification : B E (Mining)  
 Appointment/ : 22-FEB-18  
 Termination date

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
1a	Backlog of previous year	Nil	Not applicable	
1b	Exploration over lease area for geological axis 1 or 2	161 ha	161 ha	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Not applicable	
1e	Balance reserve as on 01/04/20	154.80 million Tones	154.56 million tones	
1f	General remarks of inspecting officers on geology, exploration etc	Not applicable	No issue regarding exploration.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	E/W : 625- (-425),N/S : 50- (-675)	E/W : 620- (-360),N/S : 50- (-660)	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	yes	yes	
2c	Stripping ratio or ore to OB ratio	1 : 0.11	1: 0.15	
2d	Quantity of topsoil generation in m3	NIL	Not applicable	
2e	Quantity of overburden generation in m3	503578 Cu M	671129 Cu M	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Not applicable	Mines had been developed as per proposals.
----	---	----------------	--

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single	Single	
3b	Quantity of ROM mineral production proposed	4505634 MT	4612749 MT	
3c	Recovery of sailable/usable mineral from ROM production	100 %	100%	
3d	Quantity of mineral reject generation	No proposal	Not applicable	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Not applicable	
3f	Quantity of sub grade mineral generation.	No proposal	Not applicable	
3g	Grade of sub grade mineral generation	Not applicable	Not applicable	
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.	No proposal	NIL	
3j	Provision of drilling and blasting in mineral benches	Yes	Yes	

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	Yes	Yes
3m	Total area covered under excavation/pits	53.40 ha	47.8 ha
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.11	1:0.15
3o	Total area put in use under different heads at the end of year	No Proposal	Pit 47.80 ha, Waste Dump 17.23 ha
3p	Production of ROM mineral during the last five year period as applicable	2013-14- 4590560 T, 2014-15- 4502998 T, 2015-16- 4505070 T, 2016-17- 4500374 T, 2017-18- 4505634 T	2013-14- 4384917 T, 2014-15-4188402 T, 2015-16- 4239717 T, 2016-17- 4461925 T, 2017-18- 4612749 T
3q	General remarks of inspecting officers on method of mining etc.	Not applicable	The mine is worked as per mechanized Opencast Method suitable to the type of deposit.

---

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	
4b	Location of topsoil, OB and mineral reject dumps	E/W - 100 to 600, N/S to -900.	- E/W - 130 to 500 490 to -840.	-530, N/S

4c	Number of dumps within lease area and outside of lease area	All dumps within lease hold.	All dumps are within lease hold.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Near Ultimate pit limit.	Partly inside/ outside the UPL.
4e	Number of active and alive dumps.	4 nos	4 nos
4f	Number of dead dumps.	Nil	Not applicable
4g	Number of dumps established.	01 Soil Dump, 01 WasteDump.	01 Soil Dump, 01 WasteDump.
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Yes
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil
4j	Number of settling ponds	01	01
4k	Specific comments of inspecting officer on waste dump management	Not applicable	No issue regarding waste dump management.

---

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	No proposal	Not applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Yes	For PLantation	

5d	Total area fully reclaimed and rehabilitated	No proposal	Not applicable
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Not applicable	There is no matured area 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	Submitted	
6b	Area available for rehabilitation (ha) .	No proposal	Not applicable	
6c	afforestation done (ha).	0.5 hecets	0.5 hecets	
6d	No. of saplings planted during the year	2000 nos	2000 nos	
6e	Cumulative no .of plants	Not specified	7041 nos	
6f	Any other method of rehabilitation	No proposal	Not applicable	
6g	Cost incurred on watch and care during the year	No proposal	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal	Not applicable	
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	0.5 ha	0.5 ha area afforested during 2017-18
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Nil	Not applicable
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposal	Not applicable
6p	Compliance of environmental monitoring (core zone and buffer zone)	Regular monitoring	Regular monitoring done
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Not applicable	No issue regarding implementation of PMCP.

---

Mineral Conservation:

---

Sl.No.	Item	Proposals	Actual work	Remarks
--------	------	-----------	-------------	---------

---



7a	ROM Mineral dispatch or grade-wise sorting within lease area	No grade wise sorting proposed.	Total ROM fed to Crusher.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No sorting required	Not done
7c	Different grade of mineral sorted out at mines.	No proposal	Not applicable
7d	Any beneficiation process at mines	Only Crushing	Being done
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Not applicable	No issue regarding conservation of mineral.

---

Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	yes	yes	
8b	Concurrent use or storage of topsoil	Use in plantation.	Used in plantation.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	As per proposals	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Use as aggregate in own RMC	Being done	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Not applicable
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	2000 nos to be planted each year.	Being done
8g	Survival rate	90%	90%
8h	Water sprinkling on roads to control airborne dust	Yes	Two water tankers deployed for water sprinkling.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not applicable	The general aesthetic beauty in & around was Satisfactory.

---

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Not applicable	M/R Submitted up to September 2018. A/R Submitted for 2017-18.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details Furnished	Manager- Sh. Rahul Goparliya, Mining Engineer- Sh. Gopi Chand Dhayal, Geologist Sh. Parth Sarthi Mishra.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit- 47.800 ha, Waste disposal - 17.23 ha, occupied by plant- 13.80 ha, plantation- 45.50 ha	Found in order.	

9d	Scrutiny of Annual return on afforestation	7041 nos planted with survival rate of 86% inside lease hold & 5100 nos outside ML with survival rate 90%	Found O K.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	The Reject reported as NIL.	All the mineral has been consumed by proper blending.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	The opening stock is 0.00, the production of 4612749.00 T.	The closing Stock is 514360T.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The Ex- Mine price is Rs. 215.44 per T.	Found O. K.
9h	Scrutiny of Annual return on fixed assets	Details given	The value of Fixed assets reported as Rs. 2810757576/-.
9k	Scrutiny of Annual return on mining machineries	Details Furnished	Found in order.

---

**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
MCDR17	Rule 11(1)	05-SEP-18			

**Date :**

(Sharma H.C.)

Indian Bureau of Mines