

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

**MCDR INSPECTION REPORT**

**Ajmer regional office**

**Mine file No :** RAJ/AJM-38RAJ01002

**Mine code :** 38RAJ01002

- (i) Name of the Inspecting : **S012** ) **Sharma H.C.**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh. T K Dehlawat & Sh. Chetan  
Official with  
Designation
- (iv) Date of Inspection : 28-AUG-20
- (v) Prev.inspection date : 06-MAR-20

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **SHYAMGARH**
- (b) **Registration NO.** : **IBM/960/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :  
State : RAJASTHAN  
District : AJMER  
Village : SHYAMGARH  
Taluka : MASUDA  
Post office :  
Pin Code :  
FAX No. : 01462228117  
E-mail : shreebwr@shreecementltd.co  
Phone : 01462228101
- (f) Police Station : Beawer Sadar
- (g) First opening date : 13-OCT-15
- (h) Weekly day of rest : SUN
2. Address for : Shree Cement Ltd.  
correspondance Post Box No 33, Bangur Nagar,  
Beawer, Disstt. - Ajmer
3. (a) Lease Number : RAJ5421
- (b) Lease area : 448.5
- (c) Period of lease : 50
- (d) Date of Expiry : 05-APR-65
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : SHREE CEMENT LTD.  
 SHREE CEMENT LTD. BANG- -UR  
 NAGAR, P.O.BOX NO.-33  
 BEAWAR-305,901,DIS.-AJMER  
 AJMER RAJASTHAN  
 Phone:91-01462-228101-105  
 FAX :91-01462-228117-119

Owner : Sri P.N. CHHANGANI  
 P.B. No. 33, Bangur Nagar,  
 BEAWAR, Ajmer AJMER  
 RAJASTHAN  
 Phone: 01462-228101-10  
 FAX : 01462-228117

Agent : MAHENDRA KUMAR GARG  
 Shree Cement Limited Bangur  
 Nagar Beawar AJMER  
 RAJASTHAN  
 Phone: 01462-228101-6, 9414337754  
 FAX : 01462-228117-19

Mining Engineer  
 Name : Sri Om Prakash Sharma,Full Time  
 Qualification : BE Mining  
 Appointment/ : 12-OCT-15  
 Termination date

Geologist  
 Name : VIJAY GAUR,Full Time  
 Qualification : PHD, M.Sc. Geology.  
 Appointment/ : 12-OCT-15  
 Termination date

Manager  
 Name : Gaurav Singh Chauhan  
 Qualification : B. E. (Mining)  
 Appointment/ : 01-SEP-18  
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining : MP review under 17(1) MCR 2016 25-NOV-19

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal	Not applicable	
1b	Exploration over lease area for geological axis 1 or 2	No proposal	Not applicable	
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	No proposal	Not applicable	
1e	Balance reserve as on 01/04/20	N A	29.97 Million Ton	
1f	General remarks of inspecting officers on geology, exploration etc	Not applicable	No issue regarding exploration in the mines.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	S1 to S10, E2 to W2	S1.40 to S8.94, W0.20 to W1.80	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No top Soil at excavation site.	No top Soil at excavation site.	
2c	Stripping ratio or ore to OB ratio	1 : 0.18	1:0.08	It shows that proportional development has not been made.
2d	Quantity of topsoil generation in m3	Not applicable	Not applicable	
2e	Quantity of overburden generation in m3	3.65 Lac Cu M	0.47 Lac Cu M	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Not applicable	The proposed stripping ratio was 1 : 0.18 but actually achieved was 1 : 0.08, which indicates that proportional development has not been made.
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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single	Single	
3b	Quantity of ROM mineral production proposed	2.00 Million Ton	0.57 Million Ton	
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.	Not applicable	Not applicable	
3f	Quantity of sub grade mineral generation.	No proposal	None	
3g	Grade of sub grade mineral generation	Not applicable	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Not applicable	
3j	Provision of drilling and blasting in mineral benches	DTH Drill 6.5" Depth 9 mtrs, Blasting by non-electric detonators	DTH Drill 6.5" Depth 9 mtrs, Blasting by non-electric detonators	

3k	Provision of mining machineries in mineral benches	4 Excavator, 12 Dumpers	Two Excavator One Dumper for waste handling 13 Tippers for Limestone transportation
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, 9 M bench	Yes, 9 M bench
3m	Total area covered under excavation/pits	29.3 Ha	6.1 Ha
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.18	1:0.08
3o	Total area put in use under different heads at the end of year	For 0-5 Yr. plan period, Area to be Excavated = 29.3 Ha., OB/Dump = 16.6 Ha, Infrastructure (Workshop, Admin. Building) = 2.0 Ha. Roads = 1.0 Ha. Green Belt = 17.5 Ha.	Area covered under current working = 6.1 Ha, Infrastructure- 0.2 ha, Roads = 1 Ha. Plantation done = 2.7 Ha
3p	Production of ROM mineral during the last five year period as applicable	2015-16- 0.50 million Tonne, 2016-17 1.50 million Tonne, 2017-18- 2.0 million Tonne, 2018-19- 2.0 million tonne, 2019-20 - 2.0 million Tonne.	2015-16- Nil, 2016-17 - Nil, 2017-18- Nil, 2018-19- 0.08 million tonne, 2019-20 - 0.57 million Tonne.
3q	General remarks of inspecting officers on method of mining etc.	Not applicable	The opencast mechanised method with use of excavator dumper combination has been adopted for carrying out mining operations.

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Solid Waste Management - Dumping:

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Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No top soil & mineral reject. only interburden waste is there.	No top soil & mineral reject. only interburden waste is there.
4b	Location of topsoil, OB and mineral reject dumps	In between Section Line S1 to S10	None, the small quantity of interburden waste utilised in Roads.
4c	Number of dumps within lease area and outside of lease area	One	None
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Not applicable
4e	Number of active and alive dumps.	One	None
4f	Number of dead dumps.	Not applicable	Not applicable
4g	Number of dumps established.	Not applicable	Not applicable
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Not applicable
4i	Length of Retaining wall or garland drain all along dumps	1200 m	100 m
4j	Number of settling ponds	No proposal	Not applicable
4k	Specific comments of inspecting officer on waste dump management	Not applicable	There was no generation of waste for Dumping, what ever small quantity generated had been used in Roads.

#### 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)	No proposal	Not applicable
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 land available for backfilling & reclamation.

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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	Yes	
6b	Area available for rehabilitation (ha) .	No proposal	Not applicable	
6c	afforestation done (ha).	Nil	Nil	
6d	No. of saplings planted during the year	Nil	Nil	
6e	Cumulative no .of plants	Nil	Nil	
6f	Any other method of rehabilitation	No proposal	Not applicable	
6g	Cost incurred on watch and care during the year	Nil	Nil	
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	Nil	Nil
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	Nil
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	2.5 ha	2.7 ha
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	Green Belt	Plantation
6p	Compliance of environmental monitoring (core zone and buffer zone)	As per EC & CC Being done conditions.	



6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Not applicable	The PMCP compliance was satisfactory.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	2 million tonne	0.57 million tonne	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanised	Mechanised	
7c	Different grade of mineral sorted out at mines.	Single grade	Single grade	
7d	Any beneficiation process at mines	No proposal	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Not applicable	There is no mineral conservation issue in the mine.	

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No top Soil	Not applicable	
8b	Concurrent use or storage of topsoil	Not applicable	Not applicable	

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8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Only interburden waste.	The small quantity of waste generated had been used in roads construction.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Not applicable
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)	No specified proposal	300 nos of additional saplings had been planted out side ML along approach Road to mine.
8g	Survival rate	80 %	75 %
8h	Water sprinkling on roads to control airborne dust	By using 1 nos of water sprinkling to control airborne dust	By using 1 nos of water sprinkling to control airborne dust.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not applicable	The general aesthetic beauty in & around the mine was 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	Not applicable	The M/R submitted up to August 2020. The A/R submitted for 2019-20.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer Mr. Om Prakash Sharma, Geologist Mr. Vijay Gaur, Manager Mr. Gaurav Singh Chauhan	Mining Engineer Mr. Om Prakash Sharma, Geologist Mr. Vijay Gaur, Manager Mr. Gaurav Singh Chauhan
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area covered under current working = 6.1 Ha, Plant, Buildings and Roads = 1.2 Ha, Cumulative Plantation done = 3.15 Ha	Area covered under current working = 6.1 Ha, Plant, Buildings and Roads = 1.2 Ha, Cumulative Plantation done = 3.15 Ha
9d	Scrutiny of Annual return on afforestation	Plantation done = 3.15 Ha (On Virgin Area)	Plantation done = 3.15 Ha (On Virgin Area)
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	None	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	The opening stock- Nil, Production- 575567.950 Tonne & closing balance- Nil	The opening stock- Nil, Production- 575567.950 Tonne & closing balance- Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The cost of production is RS. 223.24 per Tonne.	Found in order.
9h	Scrutiny of Annual return on fixed assets	The value of fixed assets stated as Nil.	It can not be Nil.
9k	Scrutiny of Annual return on mining machineries	Excavators 2, Rock Breaker 1, Dumpers 1, Dozer 1, Loader 1, Water Tanker 1, Drilling M/C 1, Jeep 1	Found in order.

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**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

**Date :**

**(Sharma H.C.)**

Indian Bureau of Mines