

**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  
Official with  
Designation
- (iv) Date of Inspection : 09-SEP-19
- (v) Prev.inspection date : 22-DEC-16

**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

## 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	The entire lease area had been explored in G1 category.	The entire lease area had been explored in G1 category. Out of 448.5 ha area 91.6 ha is mineralised & 356.9 ha is non mineralised or covered under ABADI land.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Lessee himself i. e. M/S Shree Cement Ltd.	Lessee himself	
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	30.54 Million Tonnes in 111 category.	30.54 Million Tonnes in 111 category.	
1f	General remarks of inspecting officers on geology, exploration etc	Not applicable	The entire lease area has been explored in G1 category by drilling a total of 76 nos of diamond core boreholes at G1 level at a grid interval of 200m by 200m. Out of 448.5 ha area 91.6 ha is mineralised & 356.9 ha is non mineralised or covered under ABADI land.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In between section lines S1 to S 8 & E2 to W2.	In between Section lines S1 to S5 & E0 to W2.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	There is no top soil, hence not applicable.	Not applicable	

2c	Stripping ratio or ore to OB ratio	1 : 0.19	Nil	No waste generated as production from January 2019. & what ever waste generated has been used in making Roads. No waste dumping carried out.
2d	Quantity of topsoil generation in m3	Not applicable	Not applicable	
2e	Quantity of overburden generation in m3	3.87 Lakhs Cu M.	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Not applicable	There is no development issue as mine has recently been opened. No waste generated & what ever waste generated has been used in making Roads. No waste dumping carried out.	

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single	Single	
3b	Quantity of ROM mineral production proposed	2000000 T	78698.30 T	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Nil	Not applicable	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Not applicable	
3f	Quantity of sub grade mineral generation.	Nil	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	Not applicable
3j	Provision of drilling and blasting in mineral benches	DTH drilling 6.5 inch dia, depth 9m, blasting by non electric detonators.	DTH drilling 6.5 inch dia, depth 9m, blasting by non electric detonators.
3k	Provision of mining machineries in mineral benches	4 excavators & 12 Dumpers.	1 Excavator, 1 dumper & 10 tippers for limestone transportation.
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	29.30 hecets.	3.0 hecets.
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.19	Nil
3o	Total area put in use under different heads at the end of year	Under excavation= 29.3 ha, waste dumping 16.6 ha, Infrastructure = 2.0 ha, Roads 1.0 Ha, Green Belt= 17.5 ha	Under Excavation= 3.0 ha, Plantation = 0.45 ha, Waste Dump = Nil
3p	Production of ROM mineral during the last five year period as applicable	2014-15= Nil, 2015-16= 500000T, 2016- 17= 1500000 T, 2017-18= 2000000T, 2018-19= 2000000T	2014-15= Nil, 2015-16= Nil, 2016-17= Nil, 2017- 18= Nil, 2018-19= 78698.3T

3q General remarks of inspecting officers on method of mining etc. Not applicable The method of mining is suitable to the type of deposit.

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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)	No top Soil, Waste = 967000 T	Nil	
4b	Location of topsoil, OB and mineral reject dumps	In between Section lines S1 to S10.	Not applicable	
4c	Number of dumps within lease area and outside of lease area	One within lease area.	Not applicable	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Out side UPL	Not applicable	
4e	Number of active and alive dumps.	One	Nil	
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	Nil	
4i	Length of Retaining wall or garland drain all along dumps	Nil	Not applicable	
4j	Number of settling ponds	Nil	Not applicable	
4k	Specific comments of inspecting officer on waste dump management	Not applicable	No waste generated & Dumped so far. Whatever waste encountered has been utilized in making Roads.	

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Solid Waste Management - Backfilling:

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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	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Not applicable	No matured area for reclamation & rehabilitation is available so far.	

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 as per rules	Yes submitted in time.	
6b	Area available for rehabilitation (ha) .	Nil	Not applicable	
6c	afforestation done (ha).	2.5 hecets	0.45 hecets.	
6d	No. of saplings planted during the year	2.5 hecets green belt to be developed.	504 nos of trees planted over 0.45 hecets area.	
6e	Cumulative no .of plants	No proposal.	504 nos of plants.	
6f	Any other method of rehabilitation	No proposal	Not applicable	
6g	Cost incurred on watch and care during the year	No proposal	No record shown	

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 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	2.5 ha area green belt development proposed	0.45 ha covered under plantation.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	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 of Air, Water & Noise pollution as per EC & CC conditions of MOEF & SPCB.	Being done
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Not applicable	The compliance of PMCP condions was satisfactory except plantation.

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	2000000 T	78698.30 T	Production started in January 2019.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanized	Mechanized	
7c	Different grade of mineral sorted out at mines.	No proposal	Not applicable	
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 issue regarding mineral conservation in the mine.	

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	There is no top soil.	There is no top soil encountered at place of excavation.
8b	Concurrent use or storage of topsoil	Not applicable	Not applicable
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Only one type of waste material generation.	Nil generation of waste at the mine, what ever waste encountered had been used in making roads.
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 proposal	A total of 504 nos of trees planted by lessee so far.
8g	Survival rate	80%	28.57%.
8h	Water sprinkling on roads to control airborne dust	Water spraying by water tanker fitted with sprinkler.	Being done
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not applicable	The general aesthetic beauty in & around the mine is satisfactory.

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Compliance of Rule 45:

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Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Not applicable	The M/R submitted up to October 2019. The A/R submitted for the year 2018-19.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer Sh. Omprakash Sharma, Manager Sh Garav Singh Chauhan & GEologist. Sh. Vijay Kumar Gaur.	Mining Engineer Sh. Omprakash Sharma, Manager Sh Garav Singh Chauhan & GEologist. Sh. Vijay Kumar Gaur.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area covered under Current workings- 3.0 ha, Plantation done 0.45 ha	Area covered under Current workings- 3.0 ha, Plantation done 0.45 ha
9d	Scrutiny of Annual return on afforestation	Plantation done 0.45 ha area of Virgin land.	Plantation done 0.45 ha area of Virgin land.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Reject generation = Nil	Reject generation = Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Opening stock Nil, production 78698.3 T, Closing stock- Nil	Opening stock Nil, production 78698.3 T, Closing stock- Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs. 417.62/- per Tonnes stated.	A total of Rs. 2723408408 had been shown expensed to raise a production of 78698.30 T of Limestone, there by the cost of production comes about 34605.6828 per Tonne, which has been shown as Rs. 417.62 per Tonnes.
9h	Scrutiny of Annual return on fixed assets	The value of Fixed assets given as Rs. 24035449/-	The value of Fixed assets is Rs. 24035449/-
9k	Scrutiny of Annual return on mining machineries	The detailed list furnished.	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

**Date :**

**(Sharma H.C.)**

Indian Bureau of Mines