

**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 : **K018** ) **Dr A Z Khan**  
Officer and ID No.
- (ii) Designation : Regional Mining Geologist
- (iii) Accompanying mine : Mr. Gaurav Singh Chauhan, Mine Manager  
Official with  
Designation
- (iv) Date of Inspection : 11-NOV-24
- (v) Prev.inspection date : 09-SEP-19

**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 : 06-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 : Mr. Neeraj Akhoury  
Post Box No. 33, Bangur  
Nagar, Beawar, Rajasthan  
AJMER RAJASTHAN  
Phone:  
FAX :

Agent : Pankaj Agarwal  
Post Box No. 33, Bangur  
Nagar Beawar, Rajasthan  
AJMER RAJASTHAN  
Phone:  
FAX :

## Mining Engineer

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

## Geologist

Name : Vijay Gaur,Full Time  
Qualification : M.Sc Geology  
Appointment/ : 15-OCT-15  
Termination date

## Manager

Name : Gaurav Singh Chauhan  
Qualification :  
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	No Proposal was for previous year 2022-23	Not applicable as there was no proposal	None
1b	Exploration over lease area for geological axis 1 or 2	No proposal of exploration	Entire Mineralized area (122.88 ha) has already been explored to G1 level during the year 2015-17	None
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal of exploration during reporting year 2023-24	Not applicable as there was no proposal	Entire Mineralized area (122.88 ha) has already been explored to G1 level during the year 2015-17
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal of exploration during reporting year 2023-24	Entire Mineralized area (122.88 ha) has already been explored to G1 level during the year 2015-17	None
1e	Balance reserve as on 01/04/20	No year wise specific proposal	As on 01.04.2024, the reserve was 25,367,211.22 tonne & Resource 23,830,000.00 tonne	None
1f	General remarks of inspecting officers on geology, exploration etc			The area undulating & mineral deposit is Stratiform, Stratabound and tabular deposit of Regular nature. Entire Mineralized area (122.88 ha) has already been explored to G1 level during the year 2015-17

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	Eastern Pit : RL 554 between S00-S600 & E200-W200, RL 545 between S00-S1400 & E00-W400, RL 536 between S00-S1200 & E00-W400, RL 527 between S00-S800 & E00-W400, RL 518 between S00-S1200 & E00-W400, RL 518 between S00-S900 & W200-W600, RL 509 between S00-S600 & W200-W600, RL 500 between S00-S400 & W200-W600	Eastern Pit: RL 554 between S100-S600 & E100-W200, RL 544 between S100-S1200 & E00-W200, RL 536 between S100-S700 & E00-W200, RL 527.5 between S00-S800 & E00-W400, RL 518 between S200-S600 & E00-W400 No work done, Western Pit:: RL 518.5 between S400-S900 & W300-W500, RL 509 between S00-S600 & W200-W600 no work done, RL 500 between S00-S400 & W200-W600 No work done	For deviation violation of rule 11(1) of MCDR,2017 has been pointed out
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No Top Soil & OB. Benches in mineral & IB has been proposed with 9m height	9m height of benches in mineral & IB has been observed.	None
2c	Stripping ratio or ore to OB ratio	1 : 0.32	1:0.36	Less limestone production due to less demand hence increased waste handling.
2d	Quantity of topsoil generation in m3	No proposal	No Top Soil generated during reporting year 2023-24	None
2e	Quantity of overburden generation in m3	252072.00 m3	202215.84 m3	Less development & production due to less demand of limestone
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Development has not been carried out as per approved proposal for which violation of rule 11(1) of MCDR,2017 has been pointed out.	

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**Exploitation:**


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Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	02 ( Eastern & Western) pits	Work has been carried out in 02( Eastern & Western) pits with deviation in location for which violation of rule 11(1) of MCDR,2017 has been pointed.	None
3b	Quantity of ROM mineral production proposed	2.0 Million Ton	1.4027 Million Ton	Less limestone production due to less demand
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	None
3d	Quantity of mineral reject generation	No proposal	No mineral reject generated during reporting year 2023-24	None
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	No mineral reject generated during reporting year 2023-24 hence not applicable	None
3f	Quantity of sub grade mineral generation.	No proposal	No sub grade mineral generated during reporting year 2023-24	None
3g	Grade of sub grade mineral generation	No proposal	No sub grade mineral generated during reporting year 2023-24 hence not applicable	None
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	No manual/ mechanised method adopted for segregation from ROM. Whole ROM despatched from mine for captive use	None
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Not applicable as there is no sub grade mineral/reject generation	None
3j	Provision of drilling and blasting in mineral benches	Drilling & blasting proposed in mineral benche by DTH Drill 6.5" Depth 9 mtrs Blasting by non-electric detonators	Drilling & blasting in mineral benche has been carried out by DTH Drill 6.5" Depth 9 mtrs Blasting by non-electric detonators	None

3k	Provision of mining machineries in mineral benches	Mining manceries proposed in mineral bench	3 Excavator & 3 Dumpers operated	None
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No OB. 9 mtr height proposed in mineral benches	The height of benches proposed is suitable for the method of mining adopted .	None
3m	Total area covered under excavation/pits	26.6 Ha (Mining Plan Period i.e upto 31.03.2025)	24.03 Ha	Less area excavated because of less developed due to less demand of limestone by cement plant
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.32	1:0.36	Less limestone production due to less demand hence increased waste handling.
3o	Total area put in use under different heads at the end of year	No yearwise specific proposal. The area put to use is proposed for plan perion i.e. upto 31.03.2025 are: Pit - 26.6 Ha, Dump - 10.3 Ha Road and Buildings - 1.2 Ha Plantation - 3.0 Ha	The area put to use upto 31.03.2024 are: Pit - 24.03 Ha, Dump - 2.47 Ha, Road and Buildings - 1.4 Ha, Plantation - 11.85 Ha	None
3p	Production of ROM mineral during the last five year period as applicable	2019-20: 2.0 Mill. Ton 2020-21: 2.0 Mill. Ton 2021-22: 2.0 Mill. Ton 2022-23: 2.0 Mill. Ton 2023-24: 2.0 Mill. Ton	2019-20: 0.57 Mill. Ton 2020-21: 0.97 Mill. Ton 2021-22: 1.18 Mill. Ton 2022-23: 1.04 Mill. Ton 2023-24: 1.40 Mill. Ton	Less production due to less requirement at Plant
3q	General remarks of inspecting officers on method of mining etc.		Open Cast mechanised method of mining adopted. The method of mining is 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)	No Top soil, OB & MIneral reject. Proposal given for Inerburden waste: Dump 1: S300-S700 & E150-E400 Dump 2: S500-S700 & W200-W400	Dumping of IB waste carried out : Dump 1: S400-S600 & E180-E530 Dump 2: Nil	Waste dumping has not been carried out as per approved proposal for which violation of rule 11(1) of MCDR,2017 has been pointed out.
4b	Location of topsoil, OB and mineral reject dumps	No Top soil, OB & MIneral reject. Proposal given for Inerburden waste: Dump 1: S300-S700 & E150-E400 Dump 2: S500-S700 & W200-W400	Dumping of IB waste carried out : Dump 1: S400-S600 & E180-E530 Dump 2: Nil	Waste dumping has not been carried out as per approved proposal for which violation of rule 11(1) of MCDR,2017 has been pointed out.
4c	Number of dumps within lease area and outside of lease area	02 within lease area & No dump proposed out side lease area	01 dump exist within lease area & No dump out side lease area	Waste dumping has not been carried out as per approved proposal for which violation of rule 11(1) of MCDR,2017 has been pointed out.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Proposed out side UPL	Dump located outside UPL	None
4e	Number of active and alive dumps.	01	01	None
4f	Number of dead dumps.	No proposal	No dead dumps.	None
4g	Number of dumps established.	No proposal	No dumps stabilized	None
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Yes	None
4i	Length of Retaining wall or garland drain all along dumps	1100 meter	1100 meter	Only mentenance during the reporting year 2023-24
4j	Number of settling ponds	No proposal	Not applicable as there was no proposal	None

4k	Specific comments of inspecting officer on waste dump management	Waste dumping has not been carried out as per approved proposal for which violation of rule 11(1) of MCDR, 2017 has been pointed out.
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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 Of back filling	Not applicable as ther was no proposal	Mineral exist.
5b	Area under backfilling of mined out area	No proposal	Not applicable as there was no proposal	None
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No propasal for concurrent use of top soil	No top soil generated during reporting year 2023-24	None
5d	Total area fully reclaimed and rehabilitated	No proposal	Not applicable	None
5e	General remarks of inspecting officers on backfilling and reclamation etc.			There was no proposal of backfilling & reclamation because mineral exist in the area

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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).	As per rule 26 of MCDR, 2017 holder of mining lease shall submit PMCP before 1st day of July every year.	PMCP report for the year 2023-24 has been submitted.	None

6b	Area available for rehabilitation (ha) .	Area of rehabilitation of waste land within lease 0.6 ha & outside lease 1.0 ha	Area of rehabilitated waste land within lease 2.39 Ha & outside lease 0.15 ha	Less area covered outside ML is due to less area available of land
6c	afforestation done (ha).	Area of rehabilitation of waste land within lease 0.6 ha & outside lease 1.0 ha	Area of rehabilitated waste land within lease 2.39 Ha & outside lease 0.15 ha	Less area covered outside ML is due to less area available of land
6d	No. of saplings planted during the year	1920 nos. (720 nos. of plants within ML and 1200 nos. of plants outside ML)	3220 nos. (3120 nos. of plants within ML and 100 nos. of plants outside ML)	Less saplings planted outside ML due to less area available for plantation
6e	Cumulative no .of plants	No specific proposal	Cumulative number pf plants at the end of year 2023-24 was 13384	None
6f	Any other method of rehabilitation	No proposal	None	Nil
6g	Cost incurred on watch and care during the year	No specific proposal	About 2.0 lakhs	None
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal	Not applicable as there was no proposal	None
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Not applicable as there was no proposal	None
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal	Not applicable as there was no proposal	None

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Not applicable as there was no proposal	None
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal	Not applicable as there was no proposal	None
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	1920 nos. (720 nos. of plants within ML and 1200 nos. of plants outside ML)	3220 nos. (3120 nos. of plants within ML and 100 nos. of plants outside ML)	Less saplings planted outside ML due to less area available for plantation
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Area of rehabilitation of waste land within lease 0.6 ha & outside lease 1.0 ha	Area of rehabilitated waste land within lease 2.39 Ha & outside lease 0.15 ha	Less area covered outside ML is due to less area available of land
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Plantation	Plantation	None
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environment monitoring in Core & Buffer zone proposed	Environment monitoring in Core & Buffer zone has been carried out	None
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Rehabilitation of waste land by Plantation in ML area & outside ML area has been carried out to improve the aesthetic beauty in and around lease area. The compliance of PMCP is satisfactory

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**Mineral Conservation:**


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Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	No grade wise sorting proposed	Entire ROM has been despatched for captive use	None
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal of grade wise sorting	Not applicable as there was no proposal	None
7c	Different grade of mineral sorted out at mines.	No proposal of grade wise sorting	Not applicable as there was no proposal	None
7d	Any beneficiation process at mines .	No proposal	No beneficiation process at mine. Entire ROM has been despatched for captive use	None
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Entire ROM has been despatched for captive use. There is no beneficiation process at mine. No issues related to mineral conservation & beneficiation observed.

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Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	No top soil generation	None
8b	Concurrent use or storage of topsoil	No proposal	No top soil generation	None
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No OB, Rejects & fine generation. Proposal for separate dumping of Inter burden waste given	No OB, Rejects & fine generated . The Inter burden waste dumped at dump1.	Waste dump management has not been carried out as per approved proposal for which violation of rule 11(1) of MCDR,2017 has been pointed out

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Not applicable as there was no proposal	None
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Pits & dumps are not matured for reclamation & rehabilitation	None
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1920 nos. (720 nos. of plants within ML and 1200 nos. of plants outside ML) Proposed for 2023-24	3220 nos. (3120 nos. of plants within ML and 100 nos. of plants outside ML) planted during the year 2023-24. The cumulative number of plantation at the end of 2023-24 was 13384	None
8g	Survival rate	No specific proposal	Survival rate with ML was 69% & outside ML is 65%	None
8h	Water sprinkling on roads to control airborne dust	Proposal given for water sprinkling on roads to control airborne dust	Water sprinkling on roads to control airborne dust has been observed	None
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The aesthetic beauty in and around the mine is 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	As per rule 45 of MCDR, 2017, holder of mining lease should submitted Monthly and Annual return in prescribed format.	Monthly and Annual return of the year 2023-24 has been submitted.	None

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9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Information of Mining Engineer, Geologist and Manager has been furnished.	Mining Engineer, Geologist and Mine Manager as per MCDR, 2017 has been appointed at the mine.	None
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Used for waste disposal-2.47 Ha, Covered under o/c working: 24.030 Ha. reclaimed and rehabilitated-NIL, Occupied by plant, building, workshop, roads, plantation-1.40 Ha, Other-11.85 Ha,	The details of land use furnished in AR for the year 2023-24 appear to be correct.	
9d	Scrutiny of Annual return on afforestation	Information of plantation of 3120 sapling within lease area and 100 outside lease area has been furnished.	The details afforestation furnished in AR appear to be correct.	None
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No mineral reject generation	The details afforestation furnished in AR appear to be correct.	None
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM stock: NIL, Graded stock: NIL.	Entire ROM has been dispatched to the captive cement plant.	None
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine price- Rs. 257.07 per tonne, Production cost per tonne- Rs. 257.07 per tonne. Sale value- NIL as mineral is used for captive consumption.	The information furnished appears to be correct.	None

9h	Scrutiny of Annual return on fixed assets	The value of fixed asset furnished is Rs. 31647338.00	The information furnished appears to be correct.	None
9k	Scrutiny of Annual return on mining machineries	Excavators, Rock Breaker, Dumpers, Dozer, Loader etc used at mine	The information furnished in respect of mining machineries appears to be correct.	None

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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
MCDR17	Rule 11(1)	29-NOV-24			

**Date :**

**(Dr A Z Khan)**

Indian Bureau of Mines