

**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 : **G021** ) **D R GURJAR**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri O.P. Sharma, Mining Engineer  
Official with  
Designation
- (iv) Date of Inspection : 13-JAN-23
- (v) Prev.inspection date : 29-APR-22

**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.coi  
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 for exploration for previous year i.e. 2020-21	No exploration activities carried out during the previous year.	Nil
1b	Exploration over lease area for geological axis 1 or 2	No proposal of exploration during the year 2021-22.	Not applicable	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No Proposal	Not applicable	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	Not applicable	Lease Area 448.5Ha., Mineralized Area 122.8Ha, Non Mineralized Area 325.7 Ha. Entire Mineralized Area has been explored up to G1 Axis.
1e	Balance reserve as on 01/04/20	Reserves 30.54 million tonnes Resources 23.83 million tonnes as on 01.04.2019	Reserves 27.81 Million Tonnes Resources 23.83 million tonnes as on 01.12.2022	Nil
1f	General remarks of inspecting officers on geology, exploration etc	No proposal	None	Entire potentially mineralized area explored under G1 level.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	S00 to S1000 E200 to W600	Within proposed limit.	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal of top soil generation.	No top soil bench proposal. Benches in OB/IB & mineral as per proposal.	Nil

2c	Stripping ratio or ore to OB ratio	1 : 0.32 Ton/Ton	1 : 0.27 Ton/Ton	Year 2021-22.
2d	Quantity of topsoil generation in m3	No proposal.	No top soil generated during the year.	NIL.
2e	Quantity of overburden generation in m3	252720.00 or 630180 tons.	126005.2 tonnes	Due to less waste generation from proposal violation of MCDR, 2017 was issued in by the previous inspecting officer.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Opencast method of development was proposed.	Opencast method of development is in practice.	Nil

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two pits.	Two pits.	Nil
3b	Quantity of ROM mineral production proposed	2.0 Million Ton	1.18 Million Ton	Less production due to Covid-19 pandemic and low market demand.
3c	Recovery of sailable/usable mineral from ROM production	2.0 Million Ton	1.18 Million Ton	Due to less production, violation of MCDR 2017 was issued by the previous inspecting officer. Less production due to Covid-19 pandemic and low market demand.
3d	Quantity of mineral reject generation	No proposals of mineral reject generation.	No mineral reject generation.	NIL.
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable as no proposal of MR generation.	Not applicable.	NIL.
3f	Quantity of sub grade mineral generation.	No proposals of Sub-grade generation.	No Sub-grade generation.	NIL.

3g	Grade of sub grade mineral generation	Not applicable as no proposal of Sub-grade generation.	Not applicable.	NIL.
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal.	Not applicable.	NIL.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal of any beneficiation.	Not applicable.	Entire ROM proposed to dispatch to SK mine of the lessee for further processing.
3j	Provision of drilling and blasting in mineral benches	DTH Drill 6.5" dia, Depth 9 mtrs Blasting by non-electric detonators.	As per proposal.	NIL.
3k	Provision of mining machineries in mineral benches	Shovel dumper combination along with drilling machine etc.	Shovel dumper combination along with drilling machine etc.	NIL.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of the benches have been proposed to 9 mts.	Bench height has been maintained as per proposal.	NIL.
3m	Total area covered under excavation/pits	26.60 hectare at the end of year 2024-25.	11.2 hectare at the end of 2021-22.	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.32 Ton/Ton	1:0.27 Ton/Ton	NIL.
3o	Total area put in use under different heads at the end of year	Toal 39.10 hectare area put to be use under different heads at the end of year 2024-25.	13.60 hectare area put to use at the end of year 2021-22. Besides an area of 8.32 has been reported under green belt development.	Nil

3p	Production of ROM mineral during the last five year period as applicable	2017-18: 2.0 Million T 2018-19: 2.0 Million T 2019-20: 2.0 Million T 2020-21: 2.0 Million T 2021-22: 2.0 Million T 2022-23: 2.0 Million T	2017-18: NIL 2018-19: 0.08 Million T 2019-20: 0.57 Million T 2020-21: 0.97 Million T 2021-22: 1.18 Million T 2022-23: 0.73 Million T (Up to Dec 2022)	Nil
3q	General remarks of inspecting officers on method of mining etc.	Opencast method of mining is proposed.	Open cast method of mining is suitable for the mineral deposit	Opencast mechanized mining method has been adopted, which is best suited method for this type of the 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 proposal of top soil and mineral reject generation. Waste is proposed to dump separately.	No top soil and mineral reject generation. Waste generated dumped at designated place during the year.	NIL.
4b	Location of topsoil, OB and mineral reject dumps	Dump-01 proposed between Section Lines: S300 to S460/E225 to W400. Dump-02 proposed between Section Lines: S490 to S580/W270 to W350.	Dumping of the waste has been carried out in waste dump no. -01 within proposed limit. No dumping of has been carried out at waste dump no.-02.	NIL.
4c	Number of dumps within lease area and outside of lease area	Two	One	Nil
4e	Number of active and alive dumps.	Outside UPL proposed	Outside UPL	Nil
4f	Number of dead dumps.	No proposal	None	Nil

4g	Number of dumps established.	No proposal	None	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal during the year 2021-22	Garland drain is maintained with along the waste dump.	Nil
4i	Length of Retaining wall or garland drain all along dumps	No proposal during the year 2021-22	None	Nil
4j	Number of settling ponds	No proposal	None	Nil
4k	Specific comments of inspecting officer on waste dump management	Dumping of the waste has been proposed over two locations	Dumping of waste has been carried out over one location	No issue related to waste dumping

#### 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 for backfiling	Not applicable	Nil
5b	Area under backfilling of mined out area	No proposal of backfilling	Not applicable	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal of top soil generation	None	Nil
5d	Total area fully reclaimed and rehabilitated	No proposal	None	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No proposal for backfilling	None	None of the area matured 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).	As per rule 26 of MCDR, 2017 holder of mining lease shall submit PMCP before 1st day of July every year.	PMCP report has been submitted for the year 2021-22	Nil
6b	Area available for rehabilitation (ha) .	No proposal.	None	Nil
6c	afforestation done (ha).	0.60 Hectare within ML area.	1.94 Hectare within ML area.	9.84 Ha. Cum (8.32 Inside ML and 1.52 Outside ML)
6d	No. of saplings planted during the year	720nos. within ML area.	Total- 3220 (2320 nos. within ML and 900nos. outside ML)	Nil
6e	Cumulative no .of plants	No specific proposal	Cumulative 9744 Nos.	Up to year 2021-22.
6f	Any other method of rehabilitation	No proposal.	Not applicable.	Nil
6g	Cost incurred on watch and care during the year	No specific proposal	Cost included in environment management, not calculated separately.	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal of backfilling.	None	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal of backfilling.	None	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal of backfilling.	None	Nil



6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal of making water reservoir	None	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal	None	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	720 nos. within lease area.	Total- 3220 (2320 within ML area and 900 outside ML area)	Cumulative 9744 Nos. (within and outside ML)
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	0.60 Hectare within ML	1.94 Hectare within ML	9.84 Ha. Cum (8.32 Inside ML and 1.52 Outside ML)
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Plantation	Plantation	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed for monitoring of environment parameter quarterly.	Environment monitoring is being carried out quarterly in core and buffer zone.	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			PMCP compliances are satisfactory

---

**Mineral Conservation:**


---

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

---

7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM dispatch to crusher which is located to Seopura-kesarpura limestone mine of the lessee.	ROM is being dispatched as per proposal.	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	None	Nil
7c	Different grade of mineral sorted out at mines.	No proposal	Not applicable	Nil
7d	Any beneficiation process at mines	No proposal of any beneficiation	None	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No issues observed related to mineral conservation

---

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal of top soil generation.	No top soil generated during the year.	Nil
8b	Concurrent use or storage of topsoil	No proposal.	None	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumping of waste was proposed.	Waste is being dumped separately as per proposal. No mineral reject and fines generation	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	None	Nil

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	None	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	An area of 0.6 hectare has been proposed for plantation with 720 numbers of saplings.	An area of 1.94 hectare has been planted with 2320 number of saplings within lease area apart from plantation outside of the lease area.	Nil
8g	Survival rate	No specific proposal	70.96%	Nil
8h	Water sprinkling on roads to control airborne dust	Water sprinkling proposed to control airborne dust.	Water sprinkling observed.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The aesthetic beauty of mine and around is satisfactory.

---

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, monthly and annual returns to be submitted.	Monthly returns till Dec-2022 have been submitted. Annual return has been submitted timely for the year 2021-22.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Information of ME, Geologist and manager has been furnished	Found in order	Nil

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	11.2 ha under pit, 1.2 ha under waste and 1.2 under other head reported at the end of 2021-22. Besides an area of 8.32 has been reported under green belt development.	Found in order	Nil
9d	Scrutiny of Annual return on afforestation	2320 nos within mining lease	Found in order	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No mineral reject generation reported	Found in order	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM and graded stock- Nil	Seems corrected.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine Price & productionCost per tonne-Rs. 226/ per tonne	Seems corrected.	Nil
9h	Scrutiny of Annual return on fixed assets	Fixed assets details furnished in another nearby mines return of same lessee.	Seems corrected	Nil
9k	Scrutiny of Annual return on mining machineries	Drtails given	Seems corrected.	Nil

---

**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 :

(D R GURJAR)

Indian Bureau of Mines