

**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 : **DJ03**) **DILIP JAIN**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Sri Gaurav Chauhan, Mine Manager
Official with
Designation
- (iv) Date of Inspection : 04-JAN-24
- (v) Prev.inspection date : 13-JAN-23

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 of exploration for previous year 2021-22.	No exploration during previous year 2021-22.	Nil
1b	Exploration over lease area for geological axis 1 or 2	No proposal of exploration during reporting year 2022-23.	No exploration during reporting year 2022-23.	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.	Nil
1e	Balance reserve as on 01/04/20	The position of reserve and resource as on 31/03/2018 was 30.62 and 23.83 million tons respectively.	The position of reserve and resource as on 01.04.2023 was 26.77 and 23.83 million tons respectively.	Nil
1f	General remarks of inspecting officers on geology, exploration etc	No proposal of exploration.	Not applicable.	As per approved RMP dated 25/11/2019 entire potentially mineralized area explored under G1 level of exploration.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit 1 and Pit 2 was proposed to develop.	Pit 1 and Pit 2 were developed during RY. However, Pit 1 was developed beyond the approved limit.	Violation of rule 11(1) of MCDR 2017 issued vide letter dated 31/01/2024 for deviation in development location.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal of top soil generation. Separate benches in waste and mineral.	No top soil was generated during RY. Separate removal of waste and mineral.	Nil
2c	Stripping ratio or ore to OB ratio	1 : 0.31 Ton/Ton	1:0.39 Ton/Ton	Nil
2d	Quantity of topsoil generation in m3	No proposal of top soil generation.	No top soil was generated during RY 2022-23.	Nil
2e	Quantity of overburden generation in m3	251730.00 CuM	163046.24 CuM	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Development has been proposed through opencast method of mining.	Development is being carried out through opencast method.	The development method is the best situated method for the type of deposit.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two	Two	Nil
3b	Quantity of ROM mineral production proposed	2.0 Million Ton	1.04 Million Ton	Less production due to less demand from plant.
3c	Recovery of sailable/usable mineral from ROM production	2.0 Million Ton	1.04 Million Ton	Less production due to less demand from plant.
3d	Quantity of mineral reject generation	No proposal.	No mineral reject generation during RY.	Nil
3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	Not applicable.	Nil
3f	Quantity of sub grade mineral generation.	No proposal.	No sub-grade mineral generation during RY.	Nil
3g	Grade of sub grade mineral generation	No proposal.	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.	Not applicable.	Nil
3j	Provision of drilling and blasting in mineral benches	DTH Drill 6.5" Depth 9 mtrs. Blasting by non-electric detonators.	As per proposal.	Nil
3k	Provision of mining machineries in mineral benches	Excavator and dumper combination.	Excavator and dumper combination.	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of the benches were proposed to maintain at 9 mts.	Height of the benches was maintained as per proposal.	Nil
3m	Total area covered under excavation/pits	26.6 Ha at the end of the plan period 2024-25.	18.07 Ha at the end of the year 2022-23.	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.31 Ton/Ton	1:0.39 Ton/Ton	Nil
3o	Total area put in use under different heads at the end of year	Pit - 26.6 Ha Dump - 10.3 Ha Road and Buildings - 2.2 Ha at the end of the year 2024-25.	Pit - 18.07 Ha Dump - 2.15 Ha Road and Buildings - 1.4 Ha at the end of year 2022-23.	Nil
3p	Production of ROM mineral during the last five year period as applicable	2018-19: 2.0 2019-20: 2.0 2020-21: 2.0 2021-22: 2.0 2022-23: 2.0	2018-19: 0.08 2019-20: 0.57 2020-21: 0.97 2021-22: 1.18 2022-23: 1.04	All figures in million tons. Less production due to less requirement at Plant.

3q	General remarks of inspecting officers on method of mining etc.	Opencast method of mining was proposed.	Opencast method of mining is being practiced.	The rock limestone occurs near to the surface, hence, the method of Mining proposed is best 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 proposal of top soil and MR generation. Separate dumping of waste.	No top soil and MR generation. Waste dumped separately.	Nil
4b	Location of topsoil, OB and mineral reject dumps	Dumping of waste was proposed over existing waste dump 1.	Dumping of the waste has been observed beyond the approved limit of waste dump 1.	Violation of rule 11(1) of MCDR 2017 issued for deviation in waste dumping.
4c	Number of dumps within lease area and outside of lease area	1 within lease area.	1 within lease area.	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL.	Outside UPL.	Nil
4e	Number of active and alive dumps.	One.	One.	Nil
4f	Number of dead dumps.	No proposal.	Not applicable.	Nil
4g	Number of dumps established.	No proposal.	Not applicable.	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes.	Retaining wall and garland drain observed.	Nil
4i	Length of Retaining wall or garland drain all along dumps	No proposal.	Not applicable.	Maintenance only.
4j	Number of settling ponds	No proposal.	Not applicable.	Nil

4k	Specific comments of inspecting officer on waste dump management			It is observed that dumping of the waste has not carried out over proposed area hence, violation of rule 11(1) of MCDR 2017 issued for deviation in waste dumping.
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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 part or full extraction.	None of the area matured for the backfilling during RY.	Nil
5b	Area under backfilling of mined out area	No proposal.	Not applicable.	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal of top soil generation.	No top soil generation during RY.	Nil
5d	Total area fully reclaimed and rehabilitated	No proposal	Not applicable.	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.			None of the area matured for the 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(2) of MCDR, 2017, PMCP report to be submitted for previous year by 1st July.	Annual report of PMCP for the RY 2022-23 has been submitted.	Nil

6b	Area available for rehabilitation (ha) .	No proposal.	Not applicable.	Nil
6c	afforestation done (ha).	0.6 ha within ML, 1.0 ha outside ML	1.14 Ha. within ML, 1.29 Ha. Outside ML.	Nil
6d	No. of saplings planted during the year	Total 1920 nos. within and outside lease area.	1720 no within ML and 1500 outside ML.	Nil
6e	Cumulative no .of plants	No proposal.	10264 Nos.at the end of the RY 2022-23 within lease area.	Nil
6f	Any other method of rehabilitation	No proposal.	Not applicable.	Nil
6g	Cost incurred on watch and care during the year	No proposal.	Not applicable.	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal.	Not applicable.	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	Not applicable.	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal.	Not applicable.	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Not applicable.	Nil

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal.	Not applicable.	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Total 1920 nos. within and outside lease area.	1720 no within ML and 1500 outside ML.	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.6 ha within ML, 1.0 ha outside ML	1.14 Ha. within ML, 1.29 Ha. Outside ML.	Nil
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)	Regular monitoring as per norms.	Environmental monitoring was carried out as per proposal.	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			No issue related to compliance of PMCP.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Rom mineral dispatch.	ROM mineral dispatch.	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical (crushing and screening)	Mechanical (crushing and screening)	Crusher located at Sheopura-kesarpura limestone lease of the lessee.
7c	Different grade of mineral sorted out at mines.	No proposal.	Not applicable.	Nil

7d	Any beneficiation process at mines	No proposal.	Not applicable.	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No issue related to mineral conservation as entire ROM is useable.

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 generation during RY 2022-23.	Nil
8b	Concurrent use or storage of topsoil	No proposal.	Not applicable.	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumping of the waste.	Separate dumping of the waste.	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	Not applicable.	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	Not applicable.	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Total 1920 nos. within and outside lease area.	1720 no within ML and 1500 outside ML.	Nil
8g	Survival rate	No proposal.	69.77 %	Within ML.

8h	Water sprinkling on roads to control airborne dust	Water sprinkling to control air born dust.	Water sprinkling observed.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The aesthetic beauty in and around the mine is satisfactory and continually improved by the way of plantation.

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 have been submitted for the reporting year. Annual return is yet not due for submission.	Nil
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, Geologist and Manager is appointed.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area covered under current working = 18.07 Ha Plant, Buildings and Roads = 1.4 Ha Cumulative Plantation done = 9.46 Ha	The information of land use appears to be in order.	Nil
9d	Scrutiny of Annual return on afforestation	Within lease 1720 and outside lease 1500 number of trees.	Found in order.	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	MR: NIL	No mineral reject generation.	Nil

9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM and Graded ore closing stock: NIL	Found in order.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine price and cost of production: Rs. 262.02/-	The information furnished appears in order. Sale value is Nil being a captive utilization.	Nil
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets: Nil	Value of fixed asset furnished under AR of Sheopura-Kesarpura lease of lessee.	Nil
9k	Scrutiny of Annual return on mining machineries	Excavators, Rock Breaker, Dumpers, Dozer, Loader, Water Tanker, Rock drill, and Jeep etc.	Excavators, Rock Breaker, Dumpers, Dozer, Loader, Water Tanker, Rock drill, and Jeep etc.	Nil

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)	01-FEB-24			
MCDR17	Rule 45(7)(a)	01-FEB-24			

Date :

(DILIP JAIN)

Indian Bureau of Mines