

**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 MK Garg, Mine Agent, GS Chauhan, Mine Manager, Sr
Official with
Designation
- (iv) Date of Inspection : 29-APR-22
- (v) Prev.inspection date : 28-AUG-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.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 of exploration for previous year i.e. 2020-21.	No exploration activity during 2020-21.	NIL.
1b	Exploration over lease area for geological axis 1 or 2	No proposal of exploration.	Not applicable as no proposal.	NIL.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not applicable as no proposal of exploration.	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	Reserve: 30.54 Resource: 23.83 (as on 01/04/2019)	Reserve: 27.81 Resource: 23.83 (as on 01/12/2022)	Depletion of 2.72 million tons from 2019-20 to 2021-22.
1f	General remarks of inspecting officers on geology, exploration etc	No proposal of exploration.	Not applicable.	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	S00 to S1000 E00 to W600	S00 to S1000 E00 to W600	NIL.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal of top soil generation. Waste and mineral proposed to remove separately.	Top soil not generated. Waste and mineral removal as per proposal.	NIL.
2c	Stripping ratio or ore to OB ratio	1 : 0.32 Ton/Ton	1 : 0.27 Ton/Ton	NIL.

2d	Quantity of topsoil generation in m3	No proposal.	Not applicable.	NIL.
2e	Quantity of overburden generation in m3	252720.00 or 630180 tons.	126005.28 or 315013.20 tons.	NIL.
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.	No issue relate to development.

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	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.	DTH Drill 6.5" dia, Depth 9 mtrs Blasting by non-electric detonators.	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.	Achievement figures as reported during mine inspection.
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	39.10 hectare at the end of year 2024-25.	13.60 hectare at the end of 2021-22. Besides an area of 8.32 has been reported under green belt development.	Achievement figures as reported during mine inspection.
3p	Production of ROM mineral during the last five year period as applicable	2017-18: 2.0 MT 2018-19: 2.0 MT 2019-20: 2.0 MT 2020-21: 2.0 MT 2021-22: 2.0 MT	2017-18: NIL 2018-19: 0.08 MT 2019-20: 0.57 MT 2020-21: 0.97 MT 2021-22: 1.18 MT	MT= Million Tons
3q	General remarks of inspecting officers on method of mining etc.	Opencast method of mining is proposed.	Opencast method of mining is in practice.	Opencast mechanized mining method has been adopted, which is best suited method for the 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 MR generation. Waste is proposed to dump separately.	No top soil and MR generation. Waste generated dumped at designated place.	NIL.
4b	Location of topsoil, OB and mineral reject dumps	In between Section Line Dump-01: S300 to S460/E225 to W400.Dump-02: S490 to S580/W270 to W350.	Dumping of the waste has been carried out over waste dump-01. No dumping of waste over waste dump-02.	NIL.
4c	Number of dumps within lease area and outside of lease area	Two.	One.	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.	Two.	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.	No proposal during the RY.	Retaining wall and garland drain observed at suitable place along the waste dump.	NIL.
4i	Length of Retaining wall or garland drain all along dumps	No proposal during the RY.	Not applicable.	NIL.
4j	Number of settling ponds	No proposal.	Not applicable.	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 observed related to waste dumping.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	None of the area matured for backfilling.	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.	Not applicable.	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 backfilling.	Not applicable.	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 for the year 2021-22 is not yet due for submission.	NIL.
6b	Area available for rehabilitation (ha) .	No proposal.	Not applicable.	NIL.
6c	afforestation done (ha).	0.60 Hectare within ML and 1.0 hectare outside ML.	1.94 Hectare within ML and 1.25 hectare outside ML.	9.84 Ha. Cum (8.32 Inside ML and 1.52 Outside ML)
6d	No. of saplings planted during the year	1920 (within and outside ML)	3220 (within and outside ML)	NIL.
6e	Cumulative no .of plants	No proposal.	Cumulative 9744 Nos. (within and outside ML)	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 of backfilling.	Not applicable.	NIL.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal of backfilling.	Not applicable.	NIL.
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on on backfilled area	No proposal of backfilling.	Not applicable.	NIL.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal of making water reservoir.	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	1920 (within and outside ML)	3220 (within and outside ML)	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 and 1.0 hectare outside ML.	1.94 Hectare within ML and 1.25 hectare outside 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.	Environment monitoring is being carried out in core and buffer zone.	NIL.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	An area of 1.60 hectare has been proposed for plantation with 1920 numbers of saplings.	An area of 3.19 hectare has been planted with 3220 number of saplings.	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 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.	Not applicable.	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.	Not applicable.	NIL.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	ROM dispatch to Seopura-kesarpura limestone mine of the lessee.	ROM is being dispatched as per proposal	No issues related to mineral conservation.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	No proposal of top soil generation.	No top soil generation.	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 waste.	Waste is being dumped separately. NO MR and fines generation.	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)	An area of 1.60 hectare has been proposed for plantation with 1920 numbers of saplings.	An area of 3.19 hectare has been planted with 3220 number of saplings.	NIL.
8g	Survival rate	No 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	A total of 1920 numbers of saplings proposed to plant.	A total of 3220 numbers of saplings have been planted.	The aesthetic beauty of mine and around is satisfactory.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	As per rule 45 of MCDR, monthly and annual returns to be submitted.	Monthly returns for RY have been submitted. Annual return is not yet due for submission.	NIL.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Annual return is not yet due for submission.	Mining engineer and geologist has been appointed.	NIL.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Annual return for the year 2021-22 is not yet due for submission.	Not applicable as annual return has not yet been submitted.	NIL.
9d	Scrutiny of Annual return on afforestation	Annual return for the year 2021-22 is not yet due for submission.	Not applicable as annual return has not yet been submitted.	NIL.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Annual return for the year 2021-22 is not yet due for submission.	Not applicable as annual return has not yet been submitted.	NIL.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Annual return for the year 2021-22 is not yet due for submission.	Not applicable as annual return has not yet been submitted.	NIL.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Annual return for the year 2021-22 is not yet due for submission.	Not applicable as annual return has not yet been submitted.	NIL.
9h	Scrutiny of Annual return on fixed assets	Annual return for the year 2021-22 is not yet due for submission.	Not applicable as annual return has not yet been submitted.	NIL.
9k	Scrutiny of Annual return on mining machineries	Annual return for the year 2021-22 is not yet due for submission.	Not applicable as annual return has not yet been submitted.	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)	09-JUN-22	05-JUL-22			

Date :

(DILIP JAIN)

Indian Bureau of Mines