

**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 : Sh. Gaurav Singh Chauhan, Mine Manager.
Official with
Designation
- (iv) Date of Inspection : 06-MAR-20
- (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 : 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 during 2017-18.	Not applicable.	NIL.
1b	Exploration over lease area for geological axis 1 or 2	No proposal of exploration during reporting year (RY).	Not applicable.	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 of exploration.	As per approved document dated 25/11/2019, entire potentially mineralised explored under G1 level of exploration.	Potentially mineralised area is 122.80 Ha. out of total lease area of 448.50 Ha.
1e	Balance reserve as on 01/04/20	As per approved document dated 25/11/2019, the position of reserve and resource as on 31/03/2019 was 30.62 and 23.83 million tonnes respectively.	The position of reserve and resource as on 01/04/2019 was 30.54 and 23.83 million tonnes respectively.	Depletion of 0.0787 million tonnes.
1f	General remarks of inspecting officers on geology, exploration etc	No proposal of exploration.	No exploratory work during 2018-19.	Entire mineralised area explored under G1 level of exploration.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In between Section line S1 to S8 & E2 to W2.	Development carried out within approved limits i.e. In between Section line S1 to S8 & E2 to W2	NIL.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal of top soil and separate benches in OB and Mineral.	No top soil and separate benches developed in OB and Mineral.	NIL.
2c	Stripping ratio or ore to OB ratio	1 : 0.19 Ton/Ton	NIL.	Very small quantity of waste has been generated as production started in Jan 2019 only. No waste dumping carried out.
2d	Quantity of topsoil generation in m3	No proposal.	Not applicable.	NIL.
2e	Quantity of overburden generation in m3	0.387 million tonnes.	NIL.	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.	Develop has been carried out as per proposal.	No development issue as mine is opened in the Jan 2019.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single.	Single.	NIL.
3b	Quantity of ROM mineral production proposed	2.0 million tonnes.	0.0787 million tones.	Less production as mine opened in Jan 2019.
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	NIL.
3d	Quantity of mineral reject generation	No proposal of MR generation.	Not applicable.	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.	Not applicable.	NIL.

3g	Grade of sub grade mineral generation	No proposal.	Not applicable.	NIL.
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised.	Mechanised at Sheopura Kesarpura Mine.	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" dia Depth 9 mtrs and blasting by non-electric detonators.	Drilling and blasting observed as per proposal.	NIL.
3k	Provision of mining machineries in mineral benches	Drilling machine Excavator Dumper Water - tanker etc.	Mining machineries has been deployed as per proposal.	NIL.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of the benches has been proposed to 9 mts.	The height of the benches has been maintained as per proposal and suitable for proposed method of mining.	NIL.
3m	Total area covered under excavation/pits	29.30 Ha (at the end of the planned period 2019-20).	3.0 Ha (as on 01/04/2019)	Mine opened in Jan 2019.
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.19 Ton/Ton	NIL.	Very small quantity of waste has been generated as production started in Jan 2019 only. No waste dumping carried out.

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	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	All figures in tonnes. Mine opened in the Jan 2019.
3q	General remarks of inspecting officers on method of mining etc.	Opencast method of the mining has been proposed.	Opencast method of mining has been practiced.	Due to near surface deposition of mineral opencast method is suitable.

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. OB/waste is proposed to dump separately over marked place.	No waste, top soil and mineral reject generation.	NIL.
4b	Location of topsoil, OB and mineral reject dumps	In between Section lines S1 to S10 and E2 to E6.	No dumping of the waste during the RY.	NIL.
4c	Number of dumps within lease area and outside of lease area	One within lease area.	NIL as no dumping of the waste during the RY.	NIL.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Out side UPL.	Not applicable as no dumping.	NIL.
4e	Number of active and alive dumps.	One.	NIL.	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.	Retaining wall and garland drain to be provided along the dumps to arrest surface run-off.	No retaining wall and garland drain as no dumping of waste during RY.	NIL.
4i	Length of Retaining wall or garland drain all along dumps	No proposal.	Not applicable.	NIL.
4j	Number of settling ponds	No Proposal.	Not applicable.	NIL.
4k	Specific comments of inspecting officer on waste dump management	Generated waste has been proposed to dispose through dumping.	Very small quantity of waste has been generated as production started in Jan 2019 only.	Waste generated has been utilized in making Roads and no dumping of the waste during the RY.

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 full extraction.	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.	No proposal of full extraction and backfilling.	No backfilling in the mine.	None of the area is fully extracted and 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 of the year 2018-19 has been submitted.	NIL.
6b	Area available for rehabilitation (ha) .	No proposal of rehabilitation of degraded area.	Not applicable as no proposal.	NIL.
6c	afforestation done (ha).	2.5 hecets	0.45 hecets.	Mining operation started in Jan 2019.
6d	No. of saplings planted during the year	1400 nos.	504 nos.	Violation of MCDR issued on 24/10/2019.
6e	Cumulative no .of plants	No proposal.	504 nos of plants.	NIL.
6f	Any other method of rehabilitation	Other than plantation, no any other method of rehabilitation	Not applicable as no proposal.	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)Afforestati 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	2.5 ha area green belt development proposed	0.45 ha covered under plantation.	Mining operation started in Jan 2019.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal.	Not applicable.	NIL.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal.	Not applicable.	NIL.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Regular monitoring of Air, Water & Noise pollution etc.	Being done.	NIL.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Other than planation no specific proposal	Plantation work has been carried out in the mine. However, number of plants and area is less in comparison to the proposal.	Violation of MCDR issued by previous inspection officer vide letter dated 24/10/2019.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal of grade wise sorting at mine site.	No segregation at mine site. ROM dispatch to the crusher located in Sheopura Kesarpura Mine of lessee.	Production started in January 2019.

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 beneficiation.	Not applicable.	NIL.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No proposal of any beneficiation or grade wise sorting.	No beneficiation and grade wise sorting.	No issues of mineral conservation observed.

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 the RY.	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 has been proposed.	Whatever waste encountered had been used in making roads.	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)	1400 nos. plants during RY.	504 nos.	Violation of MCDR issued by previous inspection officer vide letter dated 24/10/2019.
8g	Survival rate	No proposal.	28.57%	As per AR 2018-19.
8h	Water sprinkling on roads to control airborne dust	Proposed.	Observed on the haul road etc.	NIL.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	1400 number of sapling has been proposed to plant.	504 number of saplings has been planted. Violation of MCDR issued by previous inspection officer vide letter dated 24/10/2019.	The aesthetic beauty of the mine 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, 2017, holder of mining lease should submit Monthly and Annual return in prescribed format.	Monthly and Annual return of the year 2018-19 has been submitted by the lessee.	NIL.
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.	Scrutiny of AR 2018-19.
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	NIL.

9d	Scrutiny of Annual return on afforestation	504 plants within lease area.	found in order.	NIL.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	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.	The information furnished found to correct.	NIL.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine price and cost of production: 617.60/ ton.	The information furnished appears to be correct.	NIL.
9h	Scrutiny of Annual return on fixed assets	The value of fixed asset furnished is Rs. 24035449.00	The information furnished appears to correct.	NIL.
9k	Scrutiny of Annual return on mining machineries	Back Hoe, Dumper, Dozer, Front end loader, Water tanker, Rock Drill etc.	The information furnished in respect of mining machineries appears to correct.	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

Date :

(DILIP JAIN)

Indian Bureau of Mines