

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/AJM-89/LST-1

Mine code : 38RAJ01001

- (i) Name of the Inspecting : P10) Ritam Pradhan
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Shri P.C. Barbar, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 28-NOV-24
- (v) Prev.inspection date : 22-AUG-19

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : SHEOPURA KESARPURA
- (b) **Registration NO.** : IBM/960/2011
- (c) **Category** : A Fully Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : RAJASTHAN
- District : AJMER
- Village : LULWA/JHAK
- Taluka : MASUDA
- Post office : ANDHERI DEORI BEAWAR
- Pin Code : 305901
- FAX No. : 01462-2228117
- E-mail : shreebwr@shreecementltd.co
- Phone : 01462- 2228118, 2228119
- (f) **Police Station** : Beawer Sadar
- (g) **First opening date** : 28-AUG-78
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : M/S SHREE CEMENT Ltd., P.O Box No-33
BANGUR NAGAR, BEAWAR- 305901
Rajasthan
3. (a) **Lease Number** : RAJ0001
- (b) **Lease area** : 856.8
- (c) **Period of lease** : 50
- (d) **Date of Expiry** : 27-AUG-28
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 : Shri Surendra Vyas, Full Time
 Qualification : B.E. Mining
 Appointment/ : 30-NOV-18
 Termination date

Geologist

Name : P. S. Rathore, Full Time
 Qualification : M. Sc. (Geology)
 Appointment/ : 06-MAR-13
 Termination date

Manager

Name : T. K. Dhelawat
 Qualification : B. E. (Mining)
 Appointment/ : 22-APR-09
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Existing rule 11 MCDR1988	06-MAR-96
		Renewal under rule 24 MCR1960	15-NOV-99
		Mining Scheme rule 12 MCDR1988	26-JUN-03
		Modif.approved Mining Scheme	04-JUN-04
		Mining Scheme rule 12 MCDR1988	09-APR-08
		Mining Scheme rule 12 MCDR1988	29-JUL-13
		MP review under 17(1) MCR 2016	16-NOV-17
		MP modif under 17(3) MCR 2016	01-OCT-19

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No proposal of exploration during reporting year (RY) 2023-24	No exploration during reporting year (RY) 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	37.39 hectare area under G4 level of exploration.	No proposal of exploration as the area fall under dense habitation and 300 mts safety zone from village boundary.	Nil
1e	Balance reserve as on 01/04/20	The position of reserve and resource as on date 19/01/2023 was 31324498.00 tonnes and 49450000 tonnes respectively.	The position of reserve and resource as on date 31/03/2024 was 31,278,184.00 tonnes and 49450000 tonnes respectively.	Nil
1f	General remarks of inspecting officers on geology, exploration etc			An area of 37.39 hectare is under G4 level of exploration and there is no proposal of exploration as area fall under dense habitation and 300 mts safety zone from village boundary.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	Eastern Pit Section Line S56 to S66 & Western Pit Section Line S44 to S60	Western Pit Section Line S44 to S56	Production was only from Western Pit due to lack of demand.
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	1:0.40 ton/ton	1:0.38 ton/ton	Nil
2d	Quantity of topsoil generation in m3	No proposal of top soil generation.	No top soil was generated during RY 2023-24.	Nil
2e	Quantity of overburden generation in m3	315875.00Cum	224505 Cum	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			The rock limestone occurs near to the surface, hence, the opencast method of development was proposed and the best suitable to the type of deposit.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2	1	Violation of rule 11(1)
3b	Quantity of ROM mineral production proposed	20 lac tonnes	14.80 lac tonnes	Violation of Rule 11(1) for less production that approved production quantity.
3c	Recovery of sailable/usable mineral from ROM production	20 lac tonnes (100%)	14.38 lac tonnes (100%)	Nil
3d	Quantity of mineral reject generation	No proposal	Nil	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.	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	Exacavator and dumper combination.	Exacavator and dumper combination.	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, suitable	As per proposal	Nil
3m	Total area covered under excavation/pits	87.00 ha (Plan Period)	84.40 Ha at the end of 2023-2024 RY	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:0.40	1:0.38	Nil
3o	Total area put in use under different heads at the end of year	Pit- 87.00 ha, Waste/reject Dump - 43.1 Ha, Others - Road & Buildings - 6.0 Ha	Pit- 84.40 ha, Waste/reject Dump - 41.6 Ha, Others - Road & Buildings - 6.0 Ha, Backfilled Area: 4.78Ha up to 31/03/2024	Nil

3p	Production of ROM mineral during the last five year period as applicable	2019-20: 2.0 2020-21: 2.0 2021-22: 2.0 2022-23: 2.0 2023-24: 2.0	2019-20: 1.385 2020-21: 1.366 2021-22: 1.148 2022-23-1.338 2023-24: 1.480	All figures in million tons. Less production due to less requirement at Plant. All figures in million tons.
3q	General remarks of inspecting officers on method of mining etc.			The rock limestone occurs near to the surface, hence, the opencast method of mining was proposed and the best 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 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	Waste Dump 2 - S60 to S64 Waste Dump 3 - S50 to S60	Dumping of waste during RY within approved limit.	Nil
4c	Number of dumps within lease area and outside of lease area	4 within lease area	4 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.	2	2	Waste Dump No 2 & Waste Dump No 3
4f	Number of dead dumps.	1	1	Waste dump No: 1
4g	Number of dumps established.	1	1	Waste dump No 4

4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Retaining wall and garland drain were observed.	Nil
4i	Length of Retaining wall or garland drain all along dumps	Retaining Wall: 1200m Graland Drain: 1250m Proposed for this RY	Has not been established.	Violation of Rule 11(1) has been issued for not establishing the proposed retaining wall and garland drain.
4j	Number of settling ponds	No proposal	Not applicable	Nil
4k	Specific comments of inspecting officer on waste dump management			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 limestone in depth in proposed backfilling area.	No limestone in depth in backfilling area.	nil
5b	Area under backfilling of mined out area	0.5 ha	0.40 ha	4.78 Ha cumulative up to 31-03-2024
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	Not applicable	Nil
5d	Total area fully reclaimed and rehabilitated	0.5Ha during RY	0.4Ha during RY	4.78 Ha cumulative up to 31-03-2024
5e	General remarks of inspecting officers on backfilling and reclamation etc.			A total of 4.78 Ha area of pit has been backfilled at the end of year 2023-2024.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes	Yes	Nil
6b	Area available for rehabilitation (ha) .	No proposal	Not applicable	Nil
6c	afforestation done (ha).	1.0Ha	1.0 Ha	Nil
6d	No. of saplings planted during the year	1200	1200	Nil
6e	Cumulative no .of plants	no proposal	94650	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	0.5Ha	0.4Ha	nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	0.5Ha	0.4Ha	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	0.5Ha	0.4Ha	Less plantation as the whole backfilled area is not matured for the plantation
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	600nos	400nos	nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.5 Ha	0.47Ha	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.			The PMCP compliance is satisfactory.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No grade wise sorting, only crushing and screening.	As per proposal	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical (crushing and screening)	Mechanical (crushing and screening)	Nil
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 waste	Separate dumping of 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)	0.5 Ha BackFilling in Eastern pit	0.4 Ha Backfilling in RY	Nil

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Upto end of previous block of five years is 63.70 Ha as per approved RMP dated 19/01/2023. Additional 1200 nos of plantation in 1.0Ha proposed for RY.	As per proposal.	Nil
8g	Survival rate	80%	70%	Nil
8h	Water sprinkling on roads to control airborne dust	Water sprinkling 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 in and around the mine is satisfactory.

Compliance of Rule 45:

Sl.No.	Item	Proposals	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 and annual returns have been submitted for the reporting year.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager -Sh. P C Barber, Mining Engineer- Sh. Surendra Vyas, Geologist -Sh. Jyotirmay Thada	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.	Open Pit- 84.40 Ha, Reclaimed / Rehabilitated- 4.7 Ha, Waste Disposal 41.56 Ha, Plant & Building 6.0 Ha	The information of land use appears to be in order.	Nil

9d	Scrutiny of Annual return on afforestation	1200 nos	found in order.	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	MR generation: Nil	MR generation: Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Rom and graded ore 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: 283.78/-	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 asset: 31647338	Appears in order	Nil
9k	Scrutiny of Annual return on mining machineries	Bake Hoe, Dozer, front end loader, dumper, waster tanker, rock drill, crusher, conveyor, other HEM machinery.	Bake Hoe, Dozer, front end loader, dumper, waster tanker, rock drill, crusher, conveyor, other HEM machinery.	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 :

(Ritam Pradhan)

Indian Bureau of Mines