

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/JHUN-01/LST-01

Mine code : 38RAJ17002

- (i) Name of the Inspecting : **G021**) **D R GURJAR**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh. Manish Bohra, Mine Manager
Official with
Designation
- (iv) Date of Inspection : 18-JAN-22
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **GOTHRA (47/07)**
- (b) **Registration NO.** : **IBM/960/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : RAJASTHAN
- District : JHUNJHUNU
- Village : GOTHRA
- Taluka : NAWALGARH
- Post office : Nawalgarh
- Pin Code : 333042
- FAX No. : 01462 2218117
- E-mail : shreebwr@shreecementltd.co
- Phone : 01462 228101
- (f) Police Station : NAWALGARH
- (g) First opening date : 01-JUN-19
- (h) Weekly day of rest : SUN
2. Address for : POST BOX NO 33
correspondance : BANGUR NAGAR
BEAWAR
3. (a) Lease Number :
- (b) Lease area :
- (c) Period of lease :
- (d) Date of Expiry :
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 : SHREE CEMENT LTD
BANGUR NAGAR BEAWAR AJMER
RAJASTHAN
Phone:
FAX :

Agent : MAHENDRA KUMAR GARG
Shree Cement Limited Bangur
Nagar Beawar AJMER
RAJASTHAN
Phone: 01462-228101-6, 9414337754
FAX : 01462-228117-19

Mining Engineer

Name : Pankaj Sharma,Full Time
Qualification : BE (Mining)
Appointment/ : 13-JAN-22
Termination date

Geologist

Name : Jai Kumar shukla,Full Time
Qualification : M.Sc. (Geology)
Appointment/ : 13-JAN-22
Termination date

Manager

Name : Manish Bohra
Qualification : BE Mining
Appointment/ : 29-DEC-20
Termination date

6. Date of approval of Mining :
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	During the previous year 2019-2(I year of mining plan period) total exploration was proposed by way of 22 bore holes having 2200m was proposed.	During the year 2019-20 total 40 nos. of bore holes drilled having 6096m.	This is the new mine & registered on 08.05.2019. The year 2019-20 was the first year of mining lease priod.
1b	Exploration over lease area for geological axis 1 or 2	During the year 2020-21(II Year of mining plan period) exploration was proposed by way of 10 bore holes having 1000m.	During the year 2020-21 tota 150 nos. of bore holes drilled having 8080m.	No shorfall.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Exploration Agency & Expenditure- Not specified	Exploration Agency- Lessee himslef M/s Shree Cement Ltd. Expenditure- Rs. 210 Lakhs	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	Exploration was proposed during the year 2019-20 & 2020-21 to cover entire mineralised area under G1 level.	During the year 2019-20, 2020-21 & 2021-22 exploration has been carried out to cover entire mineralised area under G1 level. Total lease area-624 hect. Mineralised area-135 hect. Non mineralised area-489 hect.	Nil
1e	Balance reserve as on 01/04/20	No specific proposal given.	As per approved mining plan (Approved on 22.08.2016) The position of reserve(122) as on 01.04.2021: 144.48 million tonnes.	Nil
1f	General remarks of inspecting officers on geology, exploration etc			No issue observed related to geology & exploration.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	During the year 2020-21, total 18.4 hect area proposed for development between section lines S3 to S13 & W1 to W5.	No mine developnet work been carried out during the year 2020-21.	This is the new mine & registered on 08.05.2019. The year 2019-20 was the first year of mining lease priod. However during the current year 2021-22 mine development was proposed between section lines S3 to S12 & E0 to W5 whereas mine development has been carried out between section lines S11 to S19 & E6 to W2, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 31.01.2022.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes, proposal given	No mine develoment has been carried out during the year 2020-21.	Nil
2c	Stripping ratio or ore to OB ratio	Year 2020-21, no proposal of ROM excavation hence not applicable	Not applicable	Nil
2d	Quantity of topsoil generation in m3	2020-21: 0.18 million tonnes,	2020-21: 0 tonnes	No mine development work during the year 2020-21.
2e	Quantity of overburden generation in m3	2020-21: 2.85 million cubic meter.	2020-21: 0 cubic meter	No mine development work during the year 2020-21.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			This is the new mine & registered on 08.05.2019. The year 2020-21, II year of the mine lease period. No mine development work has been carried out during the year 2020-21, only exploration work has been carried out.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No proposal of production during the year 2020-21. Only top soil & OB removal proposal given during the year 2020-21.	No production has been carried out.	Nil
3b	Quantity of ROM mineral production proposed	Year 2020-21: No ROM proposal	Year 2020-21: None	This is the new mine & registered on 08.05.2019. The year 2020-21 is II year of the mine lease period. No ROM production proposal given during the II year(2020-21) of the mining plan period. only exploration work has been carried out.
3c	Recovery of sailable/usable mineral from ROM production	No proposal during the year 2020-21.	Not applicable	Nil
3d	Quantity of mineral reject generation	No proposal during the year 2020-21.	Not applicable	Nil
3e	Grade of mineral rejects generation and threshold value declared.	No proposal during the year 2020-21.	Not applicable	Nil
3f	Quantity of sub grade mineral generation.	No proposal during the year 2020-21.	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal during the year 2020-21.	Not applicable	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal during the year 2020-21.	Not applicable	
3j	Provision of drilling and blasting in mineral benches	The provision of drilling & blasting has been given.	During the year 2020-21, no drilling & blasting has been carried out.	Nil

3k	Provision of mining machineries in mineral benches	Yes provision of mining machineries given in approved mining plan, however no working proposed in mineral benches during the year 2020-21.	No work has been carried out during the year 2020-21.	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	No mine development work has been carried out during the year 2020-21.	Nil
3m	Total area covered under excavation/pits	At the end of year 2020-21: 18.04 hect.	At the end of year 2020-21: No area covered under excavation/ pits.	Nil
3n	Ore to OB ratio for the pit/mine during the year.	Year 2020-21, no proposal of ROM excavation hence not applicable	Not applicable	Nil
3o	Total area put in use under different heads at the end of year	At the end of year 2020-21 total area to be use- 66 hect.	No area has been used at the end of year 2020-21.	This is the new mine & registered on 08.05.2019. The year 2020-21 is II year of the mine lease period. No excavation has been started during the year 2020-21.
3p	Production of ROM mineral during the last five year period as applicable	Year 2019-20(I Year): No proposal Year 2020-21(II Year): No proposal Year 2021-22(III Year): No proposal	2019-20: Nil 2020-21: Nil 2020-21: 478.18 tonnes(Till Dec. 2021)	During the year 2021-22, production of 478.18 tonnes reported up to December 2021 whereas in the approved mining plan there is no ROM excavation proposal given during the III Year(2021-22), hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 31.01.2022.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	During the year 2020-21: Top Soil: simultaneous use OB: Separate dumping, Mineral Reject: No proposal	During the year 2020-21, no top soil, OB & mineral reject generated as no mine development activity started during this year.	Nil
4b	Location of topsoil, OB and mineral reject dumps	2020-21: Top soil-No proposal OB: Between section lines S2-S11 & S6-S13 Mineral Reject: No proposal	During the year 2020-21, no top soil, OB & mineral reject generated as no mine development activity started during this year.	However (1) During the year 2021-22, waste dumping was proposed WD1 (between section lines S6.5 to S14 & W5 to W11) & WD2 (between section lines S3 to S16 & E6 to W2) whereas actual waste dumping has been carried out between section lines S3 to S15 & W2 to W9. (2) No proposal of top soil stacking was given in approved mining plan whereas top soil stacking has been carried out between section lines S17 to S18.5 & W2 to W3. Hence violation of Rule 11(1) of MCDR 2017 issued vide dated 31.01.2022
4c	Number of dumps within lease area and outside of lease area	During the year 2020-21 two OB dumpd proposed.	No dumping has been carried out during the year 2020-21.	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	No dumping has been carried out during the year 2020-21.	Nil
4e	Number of active and alive dumps.	02	Nil	Nil
4f	Number of dead dumps.	No proposal	Nil	Nil
4g	Number of dumps established.	No proposal	Nil	Nil

4h	Whether Retaining wall or garland drain all along dumps are there.	Yes proposal given	No duming has been carried out during the year 2020-21.	Nil
4i	Length of Retaining wall or garland drain all along dumps	All along the dumps.	Not required as no no dumping has been carried out during the reporting year.	Nil
4j	Number of settling ponds	One	None	Nil
4k	Specific comments of inspecting officer on waste dump management	2020-21: Top soil-No proposal OB: Between section lines S2-S11 & S6-S13 Mineral Reject: No proposal	During the year 2020-21, no top soil, OB & mineral reject generated as no mine development activity started during this year.	However (1) During the year 2021-22, waste dumping was proposed WD1 (between section lines S6.5 to S14 & W5 to W11) & WD2 (between section lines S3 to S16 & E6 to W2) whereas actual waste dumping has been carried out between section lines S3 to S15 & W2 to W9. (2) No proposal of top soil stacking was given in approved mining plan whereas top soil stacking has been carried out between section lines S17 to S18.5 & W2 to W3. Hence violation of Rule 11(1) of MCDR 2017 issued vide dated 31.01.2022

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 during the year 2020-21.	Not applicable	This is the new mine & registered on 08.05.2019. The year 2019-20 was the first year of mining lease priod. Mine development work started during the year 2021-22.

5b	Area under backfilling of mined out area	No Proposal during the year 2020-21.	None	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Topsoil use immediately for Plantation	No top soil generated during the year 2020-21.	Nil
5d	Total area fully reclaimed and rehabilitated	No proposal	None	This is new mine. During the year 2021-22, mine development work started, hence area not matured for fully reclamation & rehabilitated.
5e	General remarks of inspecting officers on backfilling and reclamation etc.			This is new mine & registered on 08.05.2019. During the year 2021-22, mine development work started, hence area not matured for backfilling & reclamation.

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).	Annaul PMCP report shall be submitted up to 1st July for the previous financial year.	PMCP report for the year 2020-21 not submitted.	Violation of Rule 26(2) of MCDR 2017 issued for non submission of PMCP report vide letter dated 31.01.2022.
6b	Area available for rehabilitation (ha) .	No proposal	None	Nil

6c	afforestation done (ha).	Year 2020-21: 2 hect.	Year 2020-21: None	During the year 2020-21 plantation was proposed over an area 2.0 hect. but no such plantation has been carried out, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 31.01.2022.
6d	No. of saplings planted during the year	Year 2020-21: 2400 nos.	None during the year 2020-21.	During the year 2020-21 plantation was proposed over an area 2.0 hect. but no such plantation has been carried out, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 31.01.2022.
6e	Cumulative no .of plants	No specific proposal given	Not reported	Violation of Rule 26(2) of MCDR 2017 issued for non submission of PMCP report for the year 2020-21.
6f	Any other method of rehabilitation	No proposal	Not applicable	Nil
6g	Cost incurred on watch and care during the year	Not specified	Not reported.	Violation of Rule 26(2) of MCDR 2017 issued for non submission of PMCP report for the year 2020-21.
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 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 specific proposal	None	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Year 2020-21: 2400 nos. sapling proposed.	None during the year 2020-21.	During the year 2020-21 plantation was proposed over an area 2.0 hect. but no such plantation has been carried out, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 31.01.2022.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	2 hect. by plantation	None	During the year 2020-21 plantation was proposed over an area 2.0 hect. but no such plantation has been carried out, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 31.01.2022.
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	By Plantation	No plantation has been carried out as per proposal.	During the year 2020-21 plantation was proposed over an area 2.0 hect. but no such plantation has been carried out, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 31.01.2022.

6p	Compliance of environmental monitoring (core zone and buffer zone)	Compliance of environmental monitoring proposed.	Environmental monitoring carried out.	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			(1) Violation of Rule 26(2) of MCDR 2017 issued for non submission of PMCP report vide letter dated 31.01.2022. (2) During the year 2020-21 plantation was proposed over an area 2.0 hect. but no such plantation has been carried out, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 31.01.2022.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	During the year 2020-21 no proposal of mineral dispatch.	None during the year.	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	None	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			This is new mine, mine development work on progress during the current year. No issue observed related to mineral conservation.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	During the year 2020-21, it was proposed that Top soil will be separately removed and used for plantation.	No mine development work commenced during the year 2020-21, hence no top soil generated during the year.	Nil
8b	Concurrent use or storage of topsoil	For plantaion	No mine development work commenced during the year 2020-21, hence no top soil generated during the year.	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump for overburden proposal given.	None during the year 2020-21.	Mine development work started during the year 2021-22.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No such proposal given	Not applicable	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal during the year 2020-21.	Noe during the year.	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	During the year 2020-21 total 2400 nos. sapling proposed over an area 2 hect.	No such plantation has been carried out during the year.	During the year 2020-21, plantation has not been carried out as per proposal, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 31.01.2022.
8g	Survival rate	No specific proposal given.	No plantation has been carried out during the year 2020-21.	Nil
8h	Water sprinkling on roads to control airborne dust	Proposed.	Observed during the inspection of mine.	Nil

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The general aesthetic beauty in and around mines area is staisfactory.
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R Submitted upto Feb 2022 A.R. Submitted for the year 2020-21.	Timely submission.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details furnished in AR 2020-21.	Found correct.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use under different head=0 hect. at the end of year	Found correct.	No mining operation commenced during during the year 2020-21.
9d	Scrutiny of Annual return on afforestation	During the year 2020-21 No. of sapling reported-50	No sapling was observed.	During the year 2020-21, plantation has not been carried out as per proposal, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 31.01.2022.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No mineral reject reported in the AR 2020-21.	Found correct.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	in AR 2020-21 ROM Stock-Nil Graded Stock- Nil	Found correct.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of production-0	Found correct as no production has been reported in the year 2020-21.	Nil

9h	Scrutiny of Annual return on fixed assets	Fixed assest- 0	Seems to be correct.	Nil
9k	Scrutiny of Annual return on mining machineries	No machinaries details provided in AR 2020-21.	Seems to be 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
MCDR17	Rule 11(1)	31-JAN-22			
MCDR17	Rule 26(2)	31-JAN-22			

Date :

(D R GURJAR)

Indian Bureau of Mines