

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

**MCDR INSPECTION REPORT**

**Ajmer regional office**

**Mine file No :** RAJ/CHR/LST-14

**Mine code :** 38RAJ09014

- (i) Name of the Inspecting : **G021** ) **D R GURJAR**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sh. Girish Shringi, Mines Manager & Sh. O.P. Rajpuroh  
Official with  
Designation
- (iv) Date of Inspection : 22-AUG-24
- (v) Prev.inspection date : 18-JUL-19

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **DHANORA (73/2011)**
- (b) **Registration NO.** : **IBM/226/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : RAJASTHAN
- District : CHITTORGARH
- Village : DHANORA
- Taluka : Nimbahera
- Post office : Nimbahera
- Pin Code : 312601
- FAX No. : 01477-307333
- E-mail : info@wondercement.com
- Phone : 01477-307000
- (f) Police Station : Nimbahera
- (g) First opening date : 27-APR-18
- (h) Weekly day of rest : SUN
2. Address for : R.K. Nagar, Tehsil-Nimbahera  
correspondance District-Chittorgarh(Raj) 312 601
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 : WONDER CEMENT LTD.  
 R K NAGAR NIMBAHERA  
 CHITTORGARH RAJASTHAN  
 Phone:01477-307000  
 FAX :01477-307333

Owner : P. Patidar  
 R. K. Nagar, Nimbahera  
 CHITTORGARH RAJASTHAN  
 Phone: 01477 307000  
 FAX : 01477 307333

Agent : Sh. Nitin Jain  
 R K Nagar Nimbahera  
 CHITTORGARH RAJASTHAN  
 Phone: 01477-277777  
 FAX : 01477-277333

Mining Engineer  
 Name : Sh. Sachin Patel, Full Time  
 Qualification : BE Mining  
 Appointment/ : 21-FEB-24  
 Termination date

Geologist  
 Name : O P Rajpurohit, Full Time  
 Qualification : M.Sc. (Tech.) Geology  
 Appointment/ : 01-MAY-18  
 Termination date

Manager  
 Name : Girish Shringi  
 Qualification : Mining Engineer  
 Appointment/ : 25-APR-18  
 Termination date

6. Date of approval of Mining : MP modif under 17(3) MCR 2016 30-AUG-19  
 Plan/Scheme of Mining

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No Proposal during the previous year 2022-23.	None during the previous year 2022-23.	Nil
1b	Exploration over lease area for geological axis 1 or 2	During the year 2023-24 total 6 bore holes having 600m drilling was proposed.	During the year 2023-24 total 6 bore holes having 583m drilling carried out.	The shortfall of 17m drilling meterage due to drill rod jammed.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified in the proposal	Exploration Agency- Udaipur Mintech Pvt. Ltd., Expenditures- Rs. 1018312/-	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal given for balance area to be explored under G1/G2 level.	N/A	Total lease area - 255.0032 Ha. Entire mineralized area explored for G1 Level, Mineralised area 143.81Ha. Non-Mineralised area 111.1932Ha. To prove depth continuity of mineral in non-mineralised area total 6 Nos. of bore hole drilling(583m) has been carried out.
1e	Balance reserve as on 01/04/20	No such proposal given of balance reserve.	The position of reserve & resources as on 01.04.2024 111- 152534882.03 Tons, 211- 114879412 Tons	Nil
1f	General remarks of inspecting officers on geology, exploration etc			During the drilling of 6 bore holes in the year 2023-24, limestone encountered at depth hence company submitted the detail exploration proposal in the non mineralised area by way 62 bore holes. Form I submitted to this office.

## Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Year 2023-24: Between UTM Grid 2730375N to 2730980 N & 459115 E to 459585 E	Year 2023-24: Between UTM Grid 2730375 N to 2731130 N & 459140 E to 459540 E	During the year 2023-24, mine development was proposed between UTM grid 2730375N to 2730980N & 459115E to 459585E whereas actual mine development has been carried out between UTM grid 2730375N to 2731130N & 459140E to 459540E, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 23.09.2024.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No separate benches in top soil & OB, only mineral benches proposed.	No separate benches in top soil & OB, only mineral benches observed.	Few centimeters layers of top soil are there which removed through dozing. No separate bench of OB was there, in the mineral bench OB/IB generation are there.
2c	Stripping ratio or ore to OB ratio	2023-24: 20.41:1(ton:ton)	2023-24: 31.24:1(ton:ton)	During the year 2023-24, the Ore to OB ratio was proposed 20.41 whereas actual Ore to OB ratio was achieved 31.24 it shows that proportionate mine development has not been carried out as per proposal during the year, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 23.09.2024.
2d	Quantity of topsoil generation in m3	2023-24: 26806 cum	2023-24: 18341.76 cum	Nil

2e	Quantity of overburden generation in m3	2023-24: 97990 CUM	2023-24: 46182.52 CUM	Proposed eastern part of Mines was not mined out due to less production hence overburden quantity was generated less than proposed quantity.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			For working location deviation & Ore to OB ratio deviation during the year 2023-24, violation of Rule 11(1) of MCDR 2017 issued vide letter dated 23.09.2024.

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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2023-24: One	2023-24: One	Nil
3b	Quantity of ROM mineral production proposed	2023-24: 50,00,000 T	2023-24: 3606925.970 T	Nil
3c	Recovery of sailable/usable mineral from ROM production	2023-24: 4925000T	2023-24: 3606925.970T	Nil
3d	Quantity of mineral reject generation	2023-24: 75000T	2023-24: Nil	Screen reject generation proposed during the year 2023-24, but crusher along with screen reject system could not be installed in the RY.
3e	Grade of mineral rejects generation and threshold value declared.	Below therhold value.	Not generated hence not applicable.	Nil
3f	Quantity of sub grade mineral generation.	No subgrade mineral generation proposed.	No subgrade mineral generated during the reporting year.	Nil

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3g	Grade of sub grade mineral generation	No proposal of subgrade mineral generation.	Not applicable as no subgrade mineral reject generated during the RY.	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised method adopted for segregating of screen reject from ROM	None during the RY as screen reject system should not be installed during the RY.	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	None	Nil
3j	Provision of drilling and blasting in mineral benches	Deep hole drilling & blasting as per permission from DGMS	As per proposal.	Nil
3k	Provision of mining machineries in mineral benches	HEMM including excavator & dumpers are deployment proposed.	HEMM including excavator & dumpers are deployed as per proposal.	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	10-meter-high benches are proposed	10-meter-high benches are maintained.	Nil
3m	Total area covered under excavation/pits	19.72 hect.	21.90 hect.	The area put to use under head mining was proposed 19.72 hectare at the end of year 2023-24 whereas as per submitted annual return the area put to use under head mining is 21.90 hect., hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 23.09.2024.

3n	Ore to OB ratio for the pit/mine during the year. n)	2023-24: 20.41:1 (ton:ton)	2023-24: 31.24:1 (ton:ton)	During the year 2023-24, the Ore to OB ratio was proposed 20.41 whereas actual Ore to OB ratio was achieved 31.24 it shows that proportionate mine development has not been carried out as per proposal during the year, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 23.09.2024.
3o	Total area put in use under different heads at the end of year	29.90 hect.	27.70 hect.	Up to year 2023-24.
3p	Production of ROM mineral during the last five year period as applicable	2019-20: 2500000T, 2020-21: 5000000T, 2021-22: 5000000T, 2022-23: 5000000T, 2023-24: 5000000T, 2024-25: 5000000T	2019-20: Nil, 2020-21: 482758.33T, 2021-22: 1796390.59T, 2022-23: 2394768.07T, 2023-24: 3606925.970 T, 2024-25: 1479442T (up to July 2024)	Nil
3q	General remarks of inspecting officers on method of mining etc.	Opencast fully mechanised mining method proposed.	Opencast fully mechanised mining method adopted.	Adopted mining method is best suited 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)	Separate dumps of OB/IB & mineral reject (screen reject) was proposed.	OB/IB dump observed. No mineral reject (Screen reject dump observed.	Nil

4b	Location of topsoil, OB and mineral reject dumps	No proposal of top soil stacking. OB/IB dumping was proposed UTM grid-N2730234 to N2730351 & E458830 to E458930 Mineral reject(Screen Reject) was proposed UTM grid-N2729310 to N2729410 & E459750 to E459846	No top soil stacking observed. OB/IB dumping was proposed UTM grid-2730185N to 2730278N & 458942E to 458986E, No Mineral reject(Screen reject) observed.	(1)During the year 2023-24, waste dumping was proposed between UTM grid 2730234N to 2730351N & 458830E to 458930E whereas actual waste dumping has been carried out between UTM grid 2730185N to 2730278N & 458942E to 458986E, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 23.09.2024 (2)Mineral reject(Screen reject) generation proposed during the year 2023-24, but crusher along with screen reject system could not be installed in the RY.
4c	Number of dumps within lease area and outside of lease area	02 (One-OB/IB dump & One-Screen reject dump)	01(OB/IB dump)	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Within UPL-02 Nos. (OB/IB-01, Screen Reject-01)	Within UPL-01 OB/IB dump.	Nil
4e	Number of active and alive dumps.	02	01	Nil
4f	Number of dead dumps.	No proposal	None	Nil
4g	Number of dumps established.	No proposal	None	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes proposal given.	Retaining wall & garland drain made.	Nil
4i	Length of Retaining wall or garland drain all along dumps	Length of retaining wall- 456.04 Mtrs. Length of Garland drain -377.36 Mtrs.	Length of retaining wall- 240 Mtrs. Length of Garland drain - 400 Mtrs	Due to no generation of screen reject & small area occupied by waste, retaining wall length is less with respect to proposal.



4j	Number of settling ponds	No proposal	None	Nil
4k	Specific comments of inspecting officer on waste dump management			During the year 2023-24, waste dumping was proposed between UTM grid 2730234N to 2730351N & 458830E to 458930E whereas actual waste dumping has been carried out between UTM grid 2730185N to 2730278N & 458942E to 458986E, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 23.09.2024

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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 backfilling.	Nil	Area is not matured for backfilling & reclamation.
5b	Area under backfilling of mined out area	No proposal during the RY.	None	Nil
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	No proposal during the reporting year	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Area is not matured for backfilling & reclamation.

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Progressive Mine Clousre Plan:

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Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	As per MCDR 2017, PMCP report shall be submitted before 1st July for previous financial year.	PMCP report for year 2023-24 submitted timely.	Nil
6b	Area available for rehabilitation (ha) .	No proposal	Not applicable	Nil
6c	afforestation done (ha).	Year 2023-24: 0.6 hect.	Year 2023-24: 5.05 hect.	However during the year 2023-24, plantation has not been carried out over proposed location, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 23.09.2024.
6d	No. of saplings planted during the year	Yaer 2023-24: 600 nos.	Year 2023-24: 4154 nos.	Nil
6e	Cumulative no .of plants	No specific proposal given.	Total 9476 nos.	Up to year 2023-24.
6f	Any other method of rehabilitation	No proposal	Not applicable.	Nil
6g	Cost incurred on watch and care during the year	Rs. 6.0 lakhs	Rs. 12.46 Lakhs	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal	Not applciable.	Area not matured for backfilling & reclamation.
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	During the year 2023-24, plantation was proposed over an area 0.6 hect.	During the year 2023-24, plantation has been carried out over an area 5.05 hect.	Nil
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 such proposal given	Not applicable	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	As per EC conditions.	Environmental monitoring carried out in core zone & buffer zone as per EC conditions.	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			During the year 2023-24, plantation has not been carried out over proposed location, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 23.09.2024.

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## Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No grade wise sorting proposal given. During the RY 2023-24 it is proposed that after crushing & screening limestone will be feed to captive cement plant.	During the RY 2023-24, crusher along with screening could not installed hence entire ROM quanitivity feed to captive cement plat.	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No grade wise sorting proposed.	No grade wise sorting carried out.	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 observed related to mineral conservation.

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Yes, topsoil removed and directly utilized in plantation	Nil
8b	Concurrent use or storage of topsoil	Directly utilized in plantation	Directly used for plantation purpose	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump for Overburden and screen reject proposed.	Separate dump for OB/IB was observed.	Screen reject not generated during the RY.

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No such proposal given during the RY.	Not applicable	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal during the RY.	None during the RY.	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	During the year year 2023-24, plantation was proposed over an area 0.6 hect.(600 nos.)	During the year 2023-24, plantation carried out over an area 5.05 hect.(4154 nos.).	However during the year 2023-24, plantation has not been carried out over proposed location, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 23.09.2024.
8g	Survival rate	80%	94%	As per AR 2023-24.
8h	Water sprinkling on roads to control airborne dust	Water sprinkling was proposed.	Water sprinkling was observed on haul roads.	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 satisfactory.

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Compliance of Rule 45:

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Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	As per MCDR 2017, monthly return shall be submitted before 10th day month for previous month & annual return shall be submitted before 1 July for previous year.	Monthly returns for the year 2023-24 & annual retrun for the year 2023-24 submitted timely.	Timely submission of monthly & annual returns.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer-Sh Sachin patel Geologist- Sh O.P. Rajpurohit Mine Manager-Sh Girish Shringi	Correct details furnished in AR 2023-24.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit - 21.900 Hect. Waste Disposal - 0.300 Ha. Plant, Building, Roads & other infrastructure s - 5.500 Ha.	Seems corrected.	Nil
9d	Scrutiny of Annual return on afforestation	Within ML-4154 Nos (SR- 94.00 %) Outside ML- 1567 Nos (SR -94.00 %)	Seems corrected	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No mineral reject reported.	No mineral reject generated during the RY.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM & Cement Grade Limsecotne opening & Closing stock- Nil	Correctly reported.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine price & Production Cost- 271.21 Rs /T	Seems corrected.	Reported in AR 2023-24. This is captive mine.

9h	Scrutiny of Annual return on fixed assets	Total value of Fixed Assets - Rs 1949951633	Seems corrected.	As reported in AR 2023-24.
9k	Scrutiny of Annual return on mining machineries	Details of mine machineries given in AR 2023-24.	Seems corrected.	Nil

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**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)	23-SEP-24			

**Date :**

**(D R GURJAR)**

Indian Bureau of Mines